ANEJO Nº 21. REPLANTEO

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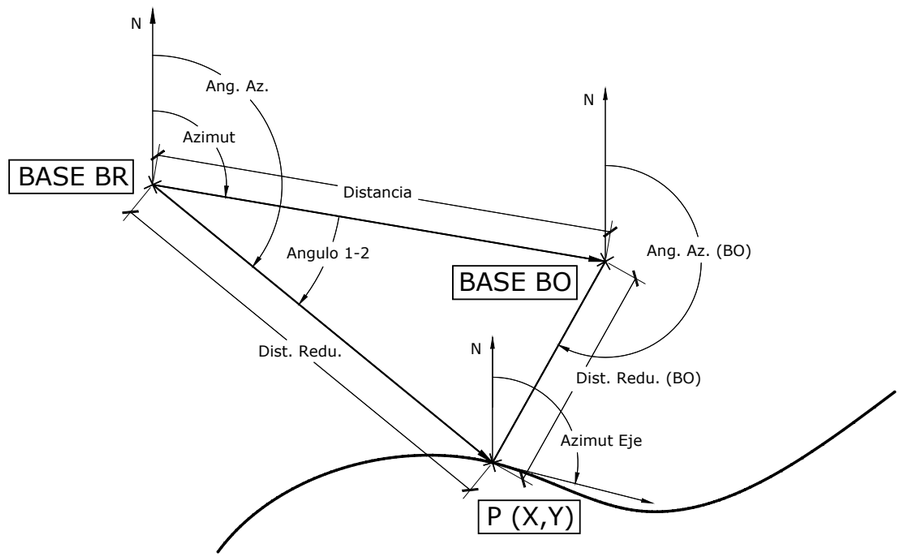
21. ANEJO Nº 21. REPLANTEO

21.1. INTRODUCCIÓN

El método utilizado para el replanteo de los ejes del proyecto es el conocido como “replanteo por bisección”.

Para el cálculo de las coordenadas U.T.M. de estos puntos se ha utilizado el programa Istram ISPOL V.21.01.01.15 de Buhodra Ingeniería.

A continuación, se presenta un croquis del sistema de replanteo utilizado y el significado de los datos del listado que se obtiene.



En la cabecera de los listados de replanteo, constan las bases de las estaciones de referencia BR y de orientación BO con sus respectivas coordenadas “X”, “Y”, “Z”, así como el azimut entre ellas para orientación y la distancia.

A continuación, los listados incluyen el P.K. de los puntos replanteados a una equidistancia dada, el azimut de la tangente al eje en ese punto, las coordenadas “X” e “Y”, y las distancias a las bases utilizadas y el ángulo con ellas, con los criterios reflejados en el croquis adjunto.

A continuación, se incluye el listado de bases de replanteo con el que se calculan los correspondientes listados:

LISTADO DE COORDENADAS DE LAS BASES DE REPLANTEO. UTM H31, ETRS89			
ID	X	Y	Z
BR500	420838.863	4578393.459	12.708
BR501	420792.882	4578147.967	11.997
BR502	420738.219	4578012.264	11.995
BR503	420682.293	4577898.997	14.281
BR504	420575.459	4577580.362	12.780
BR505	420604.282	4577120.201	18.431
BR506	420426.581	4577114.284	10.879
BR507	420699.559	4577011.337	9.657
BR508	420752.147	4576823.026	9.407
BR509	420849.267	4576615.315	8.609
BR510	420942.194	4576441.843	8.219
BR511	421254.586	4576232.022	8.210
BR512	421985.035	4576162.397	7.721
BR513	422141.423	4576218.994	7.853
BR514	422266.041	4575824.816	8.380
BR515	422283.151	4575559.168	7.724
BR516	421041.683	4576143.047	9.086
BR517	420812.207	4576086.857	10.624
BR518	420848.548	4575887.854	8.896
BR519	420702.478	4575778.471	9.056
BR520	420502.883	4575632.451	8.753
BR521	420388.936	4575440.073	6.741
BR601	422988.076	4574240.978	4.952
BR602	422897.410	4574300.903	9.461
BR603	422803.184	4574504.284	5.120
BR604	422731.089	4574626.923	5.278
BR605	422634.076	4574824.538	6.147
BR606	422649.954	4574917.119	6.193
BR607	422846.946	4575078.099	5.783
BR608	422812.414	4575200.422	5.743

El listado de ejes de proyecto objeto de los listados descritos es el siguiente:

LISTADO EJES PROYECTO		
GRUPO	EJE	NOMBRE
0		TRONCO B25
	1	TRONCO B25
1		NUDO SANT BOI-CORNELLA
	6	Glorieta Eliptica Nudo Sant Boi-Cornellá
	9	Ramal-1. Nudo Sant Boi-Cornella
	10	Ramal-2. Nudo Sant Boi-Cornella
	11	Ramal-4. Nudo Sant Boi-Cornella
	12	Ramal-3. Nudo Sant Boi-Cornella
	39	Conexión glor eliptica - acceso Pacadar
	40	Deflectora 01
	41	Deflectora 02
	42	Deflectora 03
	43	Deflectora 04
	119	Deflectora 05
	120	Deflectora 06
	121	Deflectora 07
	122	Deflectora 08
	194	Carril directo Ramal 3 - nudo Sant Boi
	196	Carril directo nudo Sant Boi - Ramal 4
	235	Ramal directo BV2002 - Ramal 2
2		NUDO B20 C32
	7	Ramal Tronco B25 a B20 C32 - Enlace Sant Boi Sur
	44	Ramal Centro Comercial a C31C
	45	Ramal Centro Comercial-Via de Servicio 01
	49	Eje mediana C31C. Calzada Derecha
	50	Ramal de conexion B20 C32 a C31C
	51	Via de Servicio B20 - C31C_ 01
	53	Lazo B25 a C31C (Sant Boi)
	54	Ramal C31C,B20 C32 - B25
	57	Lazo B201 (El Prat) - Centro Comercial
	58	Ramal Sant Boi- Ramal B25 a B20 C32
	60	Lazo Tronco B-25 a C31C (El Prat de Llobreg)
	71	Ramal Centro Comercial-Via de Servicio 02
	91	Glorieta Via de Servicio B20 - C31C
	123	Deflectora 01
	124	Deflectora 02
	125	Deflectora 03
	126	Deflectora 04

LISTADO EJES PROYECTO		
GRUPO	EJE	NOMBRE
	158	ACUERDO 201-199(1001).DP
	159	ACUERDO 201-199(1001).IP
	199	Glorieta existente
	200	Ramal de aceleracion
	201	Via de Servicio B20 - C31C_ 02
	237	VS Glorieta C32-B201 - Acceso Pacadar
	302	Eje mediana C31C. Calzada Izquierda
	304	Deflectora 01
	305	Deflectora 02
3		NUDO SANT BOI SUR Y PARQUE AGRARIO
	23	Ramal de enlace B20 C32 (Viladecans) a B25
	30	Lazo B20 C32 (Viladecans) a Centro Comercial
	35	B20 C32 eje mediana CALZADA DERECHA
	56	Ramal C31C a B20 C32
	76	Ramal de conexion Centro Comercial a B20 C32
	77	Ramal B20 C32 - C31C
	78	Ramal de conexion Centro Comercial a B25
	108	B20 C-32 Viladecans al Prat
	269	Camino Parque Agrario
4		NUDO SANT BOI NORTE
	19	Nudo Sant Boi-Cornellá. Variante BV-2002
	20	Enlace Sant Boi Norte-BV2002. Glorieta.
	21	Avda Maria Girona
	22	Sant Boi Norte-BV2002. Conexion entre Glorietas
	24	Sant Boi Norte-BV2002. Glorieta Eliptica
	25	Acceso a Gasolinera
	26	Calle Bonaventura Calopa
	130	ACUERDO 19-20(1001).DP
	131	ACUERDO 19-20(1001).IP
	132	ACUERDO 25-20(1001).DP
	133	ACUERDO 25-20(1001).IP
	134	ACUERDO 19-20(1002).IA
	135	ACUERDO 19-20(1002).DA
	136	ACUERDO 22-20(1002).IA
	137	ACUERDO 22-20(1002).DA
	138	ACUERDO 22-24(1001).DP
	139	ACUERDO 22-24(1001).IP
	140	ACUERDO 21-24(1001).IA
	141	ACUERDO 21-24(1001).DA
	142	ACUERDO 26-24(1001).IA

LISTADO EJES PROYECTO		
GRUPO	EJE	NOMBRE
	143	ACUERDO 26-24(1001).DA
5		BULEVAR SANT BOI
	13	Glorieta Bulevar Sant Boi
	14	Bulevar Sant Boi Conexion Sur
	15	Bulevar Sant Boi Conexion Oeste
	16	Bulevar Sant Boi Ramal directo
	17	Bulevar Sant Boi Conexion Este
	18	Nudo Sant Boi-Cornella. Bulevar
	38	Bulevar Sant Boi Conexion Suroeste
	144	ACUERDO 14-13(1001).IA
	145	ACUERDO 14-13(1001).DA
	146	ACUERDO 17-13(1001).DP
	147	ACUERDO 17-13(1001).IP
	148	ACUERDO 18-13(1001).DP
	149	ACUERDO 18-13(1001).IP
	150	ACUERDO 15-13(1001).IA
	151	ACUERDO 15-13(1001).DA
6		CENTRO DIRECCIONAL
	59	Via Perimetral
	64	GLORIETA RONDA DE PONENT
	68	GLORIETA RONDA PONENT. ACCESO ESTE
	69	GLORIETA RONDA PONENT. ACCESO SUROESTE
	152	ACUERDO 69-64(1001).IA
	153	ACUERDO 69-64(1001).DA
	154	ACUERDO 68-64(1001).IA
	155	ACUERDO 68-64(1001).DA
	156	ACUERDO 59-64(1001).DP
	157	ACUERDO 59-64(1001).IP
	251	deflectora 01
	252	Deflectora 02
7		NUDO CORNELLA
	8	Ramal de conexion B-25 a A-2
	191	RAMAL CONEXION A2 a B25
	245	Autovía A2
	301	Via Colectora - Dsitribuidora A2
8		CAMINOS
	102	CAMINO 12
	311	camino auxiliar de entronque

LISTADO EJES PROYECTO		
GRUPO	EJE	NOMBRE
9		CARRIL BICI
	315	carril bici
10		ENLACE MAS BLAU
	171	ENLACE MAS BLAU. AVDA 11 DE SEPTIEMBRE (2)
	172	GLORIETA
	173	RAMAL GLORIETA MAS BLAU A B22_01
	174	ENLACE MAS BLAU. RONDA PONENT 1
	175	RAMAL ROTONDA MAS BLAU B22 EXISTENTE
	176	RAMAL DIRECTO ONZE DE SEPT A B22
	177	Def_D_Ent Glorieta desde Avd 11 Sep
	178	Def_I_Sal Glorieta a Avd 11 Sep
	179	Def_I_Ent Glorieta desde Avd 11 Sep
	180	Def_D_Sal Glorieta a Avd 11 Sep
	181	Deflectora 2
	182	Deflectora 1
	184	RAMAL B22 A RONDA SUR
	185	Camino Mas Blau
	186	Deflectora 3
	187	Deflectora 4
	188	RAMAL GLORIETA MAS BLAU A B22 AUX
15		TRAYECTORIAS
	160	trayectoria CENTRO COMERCIAL - GLORIETA - VS
	161	trayectoria V SERVICIO B20 - C31C - GLORIETA
	162	trayectoria
	163	trayectorias
	164	trayectoria
	272	Trayectoria del lazo para uso agricola
	340	Trayectoria 01
	341	Trayectoria 02
	342	Trayectoria 03
	343	Trayectoria 04
	344	Trayectoria 05

APÉNDICE Nº 1. LISTADOS

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GRUPO 0
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 0.000 Dis= 131.597
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	326.244254	131.597	41.531868	49.996267	154.022	365.283881	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	332.042345	147.075	47.329959	42.629357	162.143	357.916971	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	336.705751	163.537	51.993365	36.043653	172.215	351.331267	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	340.499937	180.714	55.787551	30.239957	183.918	345.527571	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	343.626480	198.421	58.914094	25.167065	196.960	340.454679	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	346.235578	216.527	61.523192	20.748403	211.095	336.036017	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	348.438929	234.941	63.726543	16.900243	226.116	332.187857	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	350.320114	253.595	65.607728	13.542067	241.860	328.829681	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	351.942308	272.441	67.229922	10.601418	258.193	325.889032	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	353.353817	291.440	68.641431	8.015464	275.012	323.303078	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	354.592030	310.565	69.879644	5.730849	292.231	321.018463	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	355.686229	329.793	70.973843	3.702773	309.785	318.990387	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	356.659610	349.109	71.947224	1.893823	327.619	317.181437	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	357.530749	368.497	72.818363	0.272806	345.690	315.560420	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	358.314670	387.948	73.602284	398.813689	363.964	314.101303	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	359.023641	407.452	74.311255	397.494698	382.410	312.782312	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	359.667768	427.001	74.955382	396.297559	401.005	311.585173	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	360.255442	446.591	75.543056	395.206872	419.729	310.494486	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	360.793684	466.215	76.081298	394.209605	438.566	309.497219	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	361.288412	485.870	76.576026	393.294681	457.502	308.582295	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	361.744645	505.552	77.032259	392.452641	476.524	307.740255	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	362.166665	525.258	77.454279	391.675372	495.624	306.962986	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	362.558149	544.986	77.845763	390.955885	514.792	306.243499	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	362.922267	564.733	78.209881	390.288132	534.021	305.575746	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	363.261773	584.497	78.549386	389.666859	553.304	304.954473	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	363.579060	604.276	78.866674	389.087484	572.637	304.375098	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	363.629748	607.562	78.917362	388.995044	575.852	304.282658	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	363.877842	624.067	79.165456	388.547661	592.018	303.835275	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 0.000 Dis= 131.597
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	364.171754	643.852	79.459368	388.056070	611.471	303.343684	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	364.476896	663.605	79.764510	387.624696	631.023	302.912310	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	364.807454	683.296	80.095068	387.264270	650.690	302.551884	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	364.927345	689.941	80.214959	387.160078	657.375	302.447692	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	365.175194	702.890	80.462808	386.983671	670.476	302.271285	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	365.582318	722.363	80.869932	386.782181	690.359	302.069795	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	366.025574	741.702	81.313188	386.653549	710.308	301.941163	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	366.362366	755.416	81.649980	386.603073	724.571	301.890687	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	366.501917	760.895	81.789531	386.591925	730.295	301.879539	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	367.004259	779.948	82.291873	386.587223	750.294	301.874837	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	367.518831	798.903	82.806445	386.622189	770.289	301.909803	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	368.032558	817.809	83.320172	386.680490	790.277	301.968104	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	368.477545	834.565	83.765159	386.739792	807.984	302.027406	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	368.533606	836.720	83.821220	386.747417	810.259	302.035031	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	369.013833	855.674	84.301447	386.812592	830.241	302.100206	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	369.473220	874.674	84.760834	386.874703	850.224	302.162317	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	369.913052	893.719	85.200666	386.933961	870.208	302.221575	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	370.334510	912.804	85.622124	386.990559	890.193	302.278173	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	370.738689	931.928	86.026303	387.044671	910.178	302.332285	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	371.126598	951.087	86.414212	387.096458	930.164	302.384072	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	371.499174	970.281	86.786788	387.146066	950.151	302.433680	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	371.857284	989.506	87.144898	387.193630	970.138	302.481244	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	372.201733	1008.762	87.489347	387.239274	990.126	302.526888	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	372.533269	1028.046	87.820883	387.283111	1010.114	302.570725	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	372.852588	1047.357	88.140202	387.325247	1030.103	302.612861	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	373.160338	1066.693	88.447952	387.365779	1050.092	302.653393	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	373.457122	1086.054	88.744738	387.404797	1070.081	302.692411	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	373.743505	1105.437	89.031119	387.442384	1090.071	302.729998	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 0.000 Dis= 131.597
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	374.020012	1124.841	89.307626	387.478617	1110.061	302.766231	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	374.287136	1144.267	89.574750	387.513568	1130.052	302.801182	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	374.545337	1163.711	89.832951	387.547304	1150.042	302.834918	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	374.795048	1183.174	90.082662	387.579887	1170.034	302.867501	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	375.036673	1202.655	90.324287	387.611375	1190.025	302.898989	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	375.056448	1204.279	90.344062	387.613951	1191.691	302.901565	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	375.271536	1222.149	90.559150	387.642801	1210.016	302.930415	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	375.505661	1241.629	90.793275	387.680076	1230.004	302.967690	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	375.746195	1261.062	91.033809	387.730287	1249.979	303.017901	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	375.999809	1280.410	91.287422	387.800061	1269.931	303.087675	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	376.272690	1299.629	91.560304	387.895585	1289.838	303.183199	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	376.449802	1311.188	91.737416	387.968424	1301.863	303.256038	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	376.570469	1318.668	91.858083	388.022532	1309.668	303.310146	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	376.895614	1337.481	92.183228	388.183331	1329.387	303.470945	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	377.246895	1356.048	92.534509	388.376542	1348.968	303.664156	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	377.622910	1374.349	92.910524	388.600538	1368.387	303.888152	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	378.022330	1392.366	93.309944	388.853763	1387.620	304.141377	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	378.443894	1410.082	93.731508	389.134732	1406.644	304.422346	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	378.886410	1427.480	94.174024	389.442029	1425.439	304.729643	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	379.348746	1444.544	94.636360	389.774305	1443.983	305.061919	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	379.617217	1453.994	94.904831	389.971779	1454.300	305.259393	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	379.829755	1461.261	95.117369	390.130195	1462.257	305.417809	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	380.326112	1477.653	95.613726	390.505943	1480.273	305.793557	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	380.832181	1493.793	96.119795	390.895235	1498.079	306.182849	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	381.342621	1509.762	96.630235	391.292067	1515.736	306.579681	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	381.852447	1525.645	97.140061	391.690830	1533.309	306.978444	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	382.356924	1541.530	97.644538	392.086230	1550.866	307.373844	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	382.399518	1542.886	97.687132	392.119604	1552.364	307.407218	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 0.000 Dis= 131.597
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	382.852090	1557.490	98.139704	392.473867	1568.468	307.761481	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	383.337182	1573.544	98.624796	392.852887	1586.126	308.140501	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	383.812450	1589.686	99.100064	393.223547	1603.839	308.511161	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	384.278136	1605.916	99.565750	393.586098	1621.606	308.873712	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	384.734481	1622.230	100.022095	393.940779	1639.424	309.228393	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	385.181716	1638.625	100.469330	394.287823	1657.292	309.575437	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	385.620068	1655.100	100.907682	394.627454	1675.208	309.915068	16.420

RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	386.049761	1671.651	101.337375	394.959888	1693.171	310.247502	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	386.471009	1688.278	101.758623	395.285333	1711.178	310.572947	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	386.884023	1704.976	102.171637	395.603992	1729.230	310.891606	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	387.289008	1721.745	102.576622	395.916060	1747.324	311.203674	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	387.686166	1738.583	102.973780	396.221723	1765.459	311.509337	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	388.075689	1755.487	103.363303	396.521163	1783.634	311.808777	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	388.457769	1772.455	103.745383	396.814557	1801.848	312.102171	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	388.832590	1789.486	104.120204	397.102072	1820.099	312.389686	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	389.200330	1806.578	104.487944	397.383873	1838.387	312.671487	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	389.561166	1823.728	104.848780	397.660117	1856.710	312.947731	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	389.915267	1840.937	105.202881	397.930957	1875.067	313.218571	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	390.262799	1858.201	105.550413	398.196540	1893.458	313.484154	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	390.603922	1875.520	105.891536	398.457010	1911.881	313.744624	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	390.938794	1892.891	106.226408	398.712504	1930.335	314.000118	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	391.267567	1910.314	106.555181	398.963155	1948.819	314.250769	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	391.572585	1926.814	106.860199	399.195534	1966.303	314.483148	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	391.590388	1927.787	106.878002	399.209092	1967.334	314.496706	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	391.909054	1945.281	107.196668	399.452152	1985.855	314.739766	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	392.230824	1962.672	107.518438	399.699828	2004.287	314.987442	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	392.563737	1979.810	107.851351	399.960429	2022.509	315.248043	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	392.855175	1993.782	108.142789	0.193163	2037.438	315.480777	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 0.000 Dis= 131.597
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	392.915213	1996.526	108.202827	0.241679	2040.380	315.529293	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	393.289907	2012.672	108.577521	0.548501	2057.768	315.836115	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	393.687156	2028.194	108.974770	0.880284	2074.619	316.167898	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	394.040294	2040.830	109.327908	1.179850	2088.442	316.467464	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	394.105549	2043.057	109.393163	1.235625	2090.890	316.523239	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	394.542656	2057.262	109.830270	1.612012	2106.573	316.899626	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	394.934920	2069.173	110.222534	1.953034	2119.815	317.240648	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	394.993667	2070.904	110.281281	2.004314	2121.746	317.291928	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	395.454823	2084.076	110.742437	2.408478	2136.485	317.696092	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	395.925168	2096.781	111.212782	2.823467	2150.792	318.111081	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	396.404208	2109.011	111.691822	3.248747	2164.655	318.536361	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	396.891464	2120.755	112.179078	3.683799	2178.063	318.971413	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	397.386469	2132.007	112.674083	4.128120	2191.005	319.415734	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	397.888771	2142.756	113.176385	4.581221	2203.471	319.868835	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	398.397932	2152.996	113.685546	5.042627	2215.451	320.330241	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	398.913522	2162.719	114.201136	5.511876	2226.936	320.799490	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	399.435125	2171.918	114.722739	5.988518	2237.917	321.276132	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	399.962334	2180.587	115.249948	6.472117	2248.386	321.759731	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	0.494752	2188.720	115.782366	6.962244	2258.335	322.249858	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	0.895778	2194.443	116.183392	7.332514	2265.426	322.620128	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	1.031984	2196.311	116.319598	7.458478	2267.758	322.746092	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	1.573034	2203.412	116.860648	7.959658	2276.701	323.247272	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	2.115885	2210.186	117.403499	8.463345	2285.320	323.750959	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	2.658624	2216.811	117.946238	8.967185	2293.785	324.254799	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	3.052041	2221.635	118.339655	9.332248	2299.940	324.619862	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	3.052041	2221.635	118.339655	9.332248	2299.940	324.619862	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	205.441291	246.971	383.095215	49.996267	154.022	27.650192	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	208.154401	229.738	385.808326	42.629357	162.143	20.283282	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	211.300697	212.990	388.954622	36.043653	172.215	13.697578	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	214.973202	196.850	392.627127	30.239957	183.918	7.893882	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	219.284272	181.480	396.938197	25.167065	196.960	2.820990	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	224.364604	167.092	2.018529	20.748403	211.095	398.402328	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	230.355349	153.964	8.009274	16.900243	226.116	394.554168	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	237.386708	142.443	15.040632	13.542067	241.860	391.195992	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	245.535291	132.947	23.189215	10.601418	258.193	388.255343	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	254.758981	125.937	32.412905	8.015464	275.012	385.669389	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	264.830289	121.840	42.484213	5.730849	292.231	383.384774	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	275.320113	120.955	52.974038	3.702773	309.785	381.356698	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	285.680431	123.350	63.334356	1.893823	327.619	379.547748	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	295.401429	128.842	73.055353	0.272806	345.690	377.926730	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	304.143565	137.059	81.797490	398.813689	363.964	376.467614	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	311.771661	147.547	89.425586	397.494698	382.410	375.148623	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	318.307591	159.860	95.961516	396.297559	401.005	373.951484	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	323.859631	173.610	101.513556	395.206872	419.729	372.860796	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	328.566898	188.482	106.220823	394.209605	438.566	371.863529	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	332.567365	204.231	110.221290	393.294681	457.502	370.948605	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	335.983684	220.670	113.637608	392.452641	476.524	370.106565	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	338.919148	237.656	116.573073	391.675372	495.624	369.329297	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	341.458406	255.079	119.112331	390.955885	514.792	368.609810	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	343.669943	272.856	121.323867	390.288132	534.021	367.942057	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	345.608921	290.922	123.262845	389.666859	553.304	367.320784	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	347.319787	309.226	124.973712	389.087484	572.637	366.741409	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	347.584421	312.285	125.238346	388.995044	575.852	366.648969	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	348.841357	327.722	126.495282	388.547661	592.018	366.201585	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	350.223392	346.337	127.877317	388.056070	611.471	365.709995	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	351.513548	364.993	129.167472	387.624696	631.023	365.278621	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	352.750745	383.624	130.404670	387.264270	650.690	364.918195	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	353.163299	389.912	130.817224	387.160078	657.375	364.814003	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	353.965618	402.165	131.619543	386.983671	670.476	364.637596	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	355.170036	420.589	132.823961	386.782181	690.359	364.436105	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	356.365518	438.888	134.019442	386.653549	710.308	364.307473	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	357.213930	451.870	134.867854	386.603073	724.571	364.256997	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	357.553109	457.058	135.207034	386.591925	730.295	364.245850	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	358.726900	475.118	136.380825	386.587223	750.294	364.241148	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	359.870387	493.129	137.524312	386.622189	770.289	364.276114	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	360.968244	511.158	138.622169	386.680490	790.277	364.334414	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	361.892147	527.199	139.546072	386.739792	807.984	364.393717	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	362.007063	529.267	139.660988	386.747417	810.259	364.401342	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	362.978945	547.501	140.632870	386.812592	830.241	364.466516	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	363.887983	565.854	141.541908	386.874703	850.224	364.528627	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	364.739745	584.315	142.393670	386.933961	870.208	364.587886	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	365.539200	602.875	143.193125	386.990559	890.193	364.644483	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	366.290793	621.523	143.944717	387.044671	910.178	364.698595	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	366.998504	640.254	144.652429	387.096458	930.164	364.750382	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	367.665908	659.058	145.319833	387.146066	950.151	364.799990	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	368.296218	677.932	145.950143	387.193630	970.138	364.847555	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	368.892328	696.868	146.546253	387.239274	990.126	364.893198	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	369.456853	715.862	147.110778	387.283111	1010.114	364.937036	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	369.992155	734.909	147.646080	387.325247	1030.103	364.979172	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	370.500376	754.006	148.154301	387.365779	1050.092	365.019704	18.450

RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	370.983461	773.149	148.637385	387.404797	1070.081	365.058722	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	371.443177	792.333	149.097101	387.442384	1090.071	365.096308	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	371.881135	811.558	149.535060	387.478617	1110.061	365.132541	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	372.298806	830.818	149.952731	387.513568	1130.052	365.167492	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	372.697535	850.113	150.351459	387.547304	1150.042	365.201228	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	373.078550	869.440	150.732475	387.579887	1170.034	365.233812	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	373.442983	888.797	151.096908	387.611375	1190.025	365.265300	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	373.472626	890.410	151.126551	387.613951	1191.691	365.267876	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	373.793134	908.177	151.447058	387.642801	1210.016	365.296726	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	374.137485	927.550	151.791409	387.680076	1230.004	365.334001	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	374.485821	946.882	152.139745	387.730287	1249.979	365.384212	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	374.847095	966.131	152.501020	387.800061	1269.931	365.453986	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	375.229462	985.252	152.883386	387.895585	1289.838	365.549509	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	375.474507	996.752	153.128432	387.968424	1301.863	365.622348	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	375.640206	1004.193	153.294130	388.022532	1309.668	365.676457	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	376.082389	1022.912	153.736314	388.183331	1329.387	365.837256	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	376.554258	1041.389	154.208182	388.376542	1348.968	366.030467	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	377.053882	1059.610	154.707807	388.600538	1368.387	366.254463	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	377.579474	1077.557	155.233399	388.853763	1387.620	366.507687	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	378.129375	1095.218	155.783300	389.134732	1406.644	366.788656	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	378.702045	1112.577	156.355970	389.442029	1425.439	367.095954	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	379.296052	1129.622	156.949977	389.774305	1443.983	367.428230	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	379.639187	1139.071	157.293111	389.971779	1454.300	367.625704	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	379.909973	1146.341	157.563898	390.130195	1462.257	367.784120	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	380.539627	1162.760	158.193552	390.505943	1480.273	368.159868	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	381.177928	1178.952	158.831853	390.895235	1498.079	368.549160	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	381.818208	1194.998	159.472133	391.292067	1515.736	368.945992	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	382.454274	1210.983	160.108198	391.690830	1533.309	369.344755	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	383.080280	1226.993	160.734205	392.086230	1550.866	369.740155	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	383.132978	1228.362	160.786903	392.119604	1552.364	369.773529	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	383.691380	1243.101	161.345305	392.473867	1568.468	370.127792	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	384.286794	1259.320	161.940718	392.852887	1586.126	370.506811	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	384.867016	1275.647	162.520940	393.223547	1603.839	370.877472	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	385.432527	1292.077	163.086452	393.586098	1621.606	371.240023	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	385.983796	1308.606	163.637720	393.940779	1639.424	371.594704	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	386.521272	1325.231	164.175197	394.287823	1657.292	371.941748	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	387.045394	1341.948	164.699319	394.627454	1675.208	372.281379	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	387.556585	1358.754	165.210510	394.959888	1693.171	372.613812	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	388.055253	1375.645	165.709178	395.285333	1711.178	372.939258	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	388.541796	1392.619	166.195720	395.603992	1729.230	373.257917	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	389.016593	1409.672	166.670518	395.916060	1747.324	373.569984	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	389.480016	1426.801	167.133941	396.221723	1765.459	373.875648	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	389.932420	1444.005	167.586344	396.521163	1783.634	374.175088	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	390.374149	1461.279	168.028074	396.814557	1801.848	374.468481	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	390.805537	1478.622	168.459462	397.102072	1820.099	374.755997	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	391.226903	1496.032	168.880828	397.383873	1838.387	375.037797	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	391.638558	1513.506	169.292483	397.660117	1856.710	375.314041	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	392.040800	1531.041	169.694724	397.930957	1875.067	375.584881	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	392.433916	1548.636	170.087841	398.196540	1893.458	375.850465	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	392.818186	1566.289	170.472111	398.457010	1911.881	376.110935	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	393.193877	1583.998	170.847802	398.712504	1930.335	376.366429	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	393.561248	1601.760	171.215173	398.963155	1948.819	376.617080	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	393.900771	1618.583	171.554696	399.195534	1966.303	376.849458	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	393.920550	1619.575	171.574474	399.209092	1967.334	376.863017	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	394.274022	1637.415	171.927947	399.452152	1985.855	377.106077	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	394.630503	1655.163	172.284428	399.699828	2004.287	377.353752	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	394.999723	1672.679	172.653648	399.960429	2022.509	377.614353	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	395.323768	1686.992	172.977693	0.193163	2037.438	377.847087	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-154.022

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	395.390645	1689.806	173.044570	0.241679	2040.380	377.895604	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	395.808891	1706.403	173.462816	0.548501	2057.768	378.202426	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	396.253659	1722.416	173.907584	0.880284	2074.619	378.534208	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	396.649955	1735.500	174.303879	1.179850	2088.442	378.833775	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	396.723264	1737.812	174.377188	1.235625	2090.890	378.889549	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	397.214788	1752.588	174.868713	1.612012	2106.573	379.265936	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	397.656273	1765.027	175.310198	1.953034	2119.815	379.606959	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	397.722404	1766.839	175.376328	2.004314	2121.746	379.658239	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	398.241553	1780.649	175.895477	2.408478	2136.485	380.062402	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	398.771106	1794.025	176.425031	2.823467	2150.792	380.477392	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	399.310505	1806.957	176.964429	3.248747	2164.655	380.902672	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	399.859209	1819.436	177.513134	3.683799	2178.063	381.337724	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	0.416702	1831.454	178.070627	4.128120	2191.005	381.782045	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	0.982484	1843.001	178.636409	4.581221	2203.471	382.235146	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	1.556073	1854.072	179.209997	5.042627	2215.451	382.696551	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	2.137003	1864.659	179.790928	5.511876	2226.936	383.165800	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	2.724827	1874.754	180.378752	5.988518	2237.917	383.642443	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	3.319108	1884.351	180.973033	6.472117	2248.386	384.126041	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	3.919425	1893.445	181.573350	6.962244	2258.335	384.616169	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	4.371718	1899.908	182.025643	7.332514	2265.426	384.986438	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	4.525362	1902.029	182.179287	7.458478	2267.758	385.112403	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	5.135704	1910.155	182.789629	7.959658	2276.701	385.613582	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	5.747853	1917.981	183.401778	8.463345	2285.320	386.117270	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	6.359294	1925.682	184.013218	8.967185	2293.785	386.621110	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	6.801933	1931.300	184.455857	9.332248	2299.940	386.986172	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	6.801933	1931.300	184.455857	9.332248	2299.940	386.986172	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	205.441291	246.971	236.749572	189.203038	425.648	20.511320	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	208.154401	229.738	239.462683	189.997486	406.334	21.305767	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	211.300697	212.990	242.608979	190.871078	387.088	22.179360	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	214.973202	196.850	246.281484	191.835878	367.923	23.144160	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	219.284272	181.480	250.592554	192.906434	348.852	24.214715	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	224.364604	167.092	255.672886	194.100424	329.891	25.408705	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	230.355349	153.964	261.663631	195.439496	311.060	26.747778	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	237.386708	142.443	268.694989	196.950372	292.385	28.258654	15.520

RECTA	160.000	372.884810	0.000	420855.005	4576341.479	245.535291	132.947	276.843572	198.666300	273.897	29.974582	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	254.758981	125.937	286.067262	200.628976	255.636	31.937258	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	264.830289	121.840	296.138570	202.891069	237.655	34.199351	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	275.320113	120.955	306.628395	205.519492	220.023	36.827774	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	285.680431	123.350	316.988713	208.599508	202.832	39.907790	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	295.401429	128.842	326.709710	212.239548	186.201	43.547829	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	304.143565	137.059	335.451847	216.575976	170.298	47.884257	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	311.771661	147.547	343.079943	221.775562	155.344	53.083844	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	318.307591	159.860	349.615873	228.030266	141.640	59.338548	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	323.859631	173.610	355.167913	235.533563	129.585	66.841844	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	328.566898	188.482	359.875180	244.422164	119.677	75.730446	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	332.567365	204.231	363.875647	254.672986	112.485	85.981268	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	335.983684	220.670	367.291966	265.985163	108.551	97.293445	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	338.919148	237.656	370.227430	277.747195	108.230	109.055477	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	341.458406	255.079	372.766688	289.189236	111.553	120.497518	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	343.669943	272.856	374.978225	299.655744	118.213	130.964025	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	345.608921	290.922	376.917202	308.789690	127.690	140.097972	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	347.319787	309.226	378.628069	316.527363	139.409	147.835644	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	347.584421	312.285	378.892703	317.683770	141.535	148.992052	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	348.841357	327.722	380.149639	322.990928	152.846	154.299210	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 196.794 Azimut: 368.691718

BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	350.223392	346.337	381.531674	328.404515	167.508	159.712797	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	351.513548	364.993	382.821830	333.004257	183.001	164.312538	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	352.750745	383.624	384.059027	336.992872	199.033	168.301154	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	353.163299	389.912	384.471581	338.234311	204.542	169.542593	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	353.965618	402.165	385.273900	340.531125	215.391	171.839406	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	355.170036	420.589	386.478318	343.722580	231.957	175.030861	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	356.365518	438.888	387.673799	346.633731	248.671	177.942013	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	357.213930	451.870	388.522211	348.568874	260.665	179.877155	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	357.553109	457.058	388.861391	349.315653	265.488	180.623935	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	358.726900	475.118	390.035182	351.797449	282.401	183.105731	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	359.870387	493.129	391.178669	354.083842	299.457	185.392124	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	360.968244	511.158	392.276526	356.176297	316.707	187.484579	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	361.892147	527.199	393.200429	357.868957	332.190	189.177238	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	362.007063	529.267	393.315345	358.075456	334.194	189.383738	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	362.978945	547.501	394.287227	359.787492	351.941	191.095774	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	363.887983	565.854	395.196265	361.334161	369.918	192.642443	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	364.739745	584.315	396.048027	362.736731	388.092	194.045012	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	365.539200	602.875	396.847482	364.013254	406.438	195.321535	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	366.290793	621.523	397.599075	365.179090	424.934	196.487371	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	366.998504	640.254	398.306786	366.247347	443.560	197.555629	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	367.665908	659.058	398.974190	367.229253	462.301	198.537534	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	368.296218	677.932	399.604500	368.134454	481.143	199.442736	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	368.892328	696.868	0.200610	368.971274	500.075	200.279556	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	369.456853	715.862	0.765135	369.746921	519.087	201.055203	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	369.992155	734.909	1.300437	370.467660	538.171	201.775941	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	370.500376	754.006	1.808658	371.138953	557.319	202.447235	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	370.983461	773.149	2.291742	371.765587	576.525	203.073868	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	371.443177	792.333	2.751458	372.351763	595.784	203.660045	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 196.794 Azimut: 368.691718

BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	371.881135	811.558	3.189417	372.901187	615.089	204.209469	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	372.298806	830.818	3.607088	373.417136	634.438	204.725418	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	372.697535	850.113	4.005816	373.902517	653.826	205.210799	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	373.078550	869.440	4.386832	374.359916	673.249	205.668198	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	373.442983	888.797	4.751265	374.791642	692.706	206.099923	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	373.472626	890.410	4.780908	374.826514	694.328	206.134796	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	373.793134	908.177	5.101415	375.201381	712.188	206.509663	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	374.137485	927.550	5.445767	375.600555	731.669	206.908837	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	374.485821	946.882	5.794102	376.001940	751.115	207.310222	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	374.847095	966.131	6.155377	376.416978	770.490	207.725260	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	375.229462	985.252	6.537743	376.855883	789.752	208.164164	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	375.474507	996.752	6.782789	377.137260	801.347	208.445541	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	375.640206	1004.193	6.948487	377.327616	808.854	208.635898	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	376.082389	1022.912	7.390671	377.835756	827.756	209.144037	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	376.554258	1041.389	7.862540	378.377872	846.441	209.686154	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	377.053882	1059.610	8.362164	378.951385	864.895	210.259667	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	377.579474	1077.557	8.887756	379.553947	883.103	210.862229	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	378.129375	1095.218	9.437657	380.183422	901.051	211.491704	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	378.702045	1112.577	10.010327	380.837862	918.728	212.146143	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	379.296052	1129.622	10.604334	381.515483	936.121	212.823765	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	379.639187	1139.071	10.947468	381.906365	945.779	213.214647	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	379.909973	1146.341	11.218255	382.214542	953.219	213.522824	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	380.539627	1162.760	11.847909	382.929931	970.048	214.238213	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	381.177928	1178.952	12.486210	383.653012	986.676	214.961294	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	381.818208	1194.998	13.126490	384.375713	1003.181	215.683995	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	382.454274	1210.983	13.762555	385.090599	1019.644	216.398881	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	383.080280	1226.993	14.388562	385.790705	1036.143	217.098986	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	383.132978	1228.362	14.441260	385.849465	1037.553	217.157747	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 196.794 Azimut: 368.691718

BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	383.691380	1243.101	14.999662	386.470339	1052.747	217.778620	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	384.286794	1259.320	15.595075	387.128796	1069.467	218.437078	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	384.867016	1275.647	16.175297	387.766915	1086.298	219.075197	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	385.432527	1292.077	16.740809	388.385503	1103.234	219.693785	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	385.983796	1308.606	17.292077	388.985331	1120.272	220.293612	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	386.521272	1325.231	17.829554	389.567136	1137.406	220.875418	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	387.045394	1341.948	18.353676	390.131628	1154.632	221.439910	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	387.556585	1358.754	18.864867	390.679482	1171.947	221.987764	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	388.055253	1375.645	19.363535	391.211346	1189.345	222.519627	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	388.541796	1392.619	19.850077	391.727838	1206.825	223.036119	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	389.016593	1409.672	20.324875	392.229550	1224.381	223.537832	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	389.480016	1426.801	20.788298	392.717048	1242.012	224.025330	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	389.932420	1444.005	21.240702	393.190873	1259.713	224.499155	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	390.374149	1461.279	21.682431	393.651542	1277.482	224.959824	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	390.805537	1478.622	22.113819	394.099549	1295.316	225.407830	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	391.226903	1496.032	22.535185	394.535366	1313.212	225.843647	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	391.638558	1513.506	22.946840	394.959444	1331.168	226.267726	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	392.040800	1531.041	23.349081	395.372217	1349.182	226.680498	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	392.433916	1548.636	23.742198	395.774096	1367.251	227.082377	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	392.818186	1566.289	24.126468	396.165476	1385.373	227.473757	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	393.193877	1583.998	24.502159	396.546735	1403.546	227.855016	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	393.561248	1601.760	24.869530	396.918234	1421.769	228.226516	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	393.900771	1618.583	25.209053	397.260419	1439.020	228.568701	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	393.920550	1619.575	25.228831	397.280319	1440.038	228.588601	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	394.274022	1637.415	25.582304	397.635624	1458.329	228.943906	18.661

CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	394.630503	1655.163	25.938785	397.994343	1476.540	229.302625	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	394.999723	1672.679	26.308005	398.367651	1494.542	229.675933	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	395.323768	1686.992	26.632050	398.697468	1509.287	230.005750	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	395.390645	1689.806	26.698927	398.765822	1512.191	230.074103	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	395.808891	1706.403	27.117173	399.195302	1529.356	230.503583	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	396.253659	1722.416	27.561941	399.655158	1545.985	230.963440	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	396.649955	1735.500	27.958236	0.067065	1559.627	231.375346	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	396.723264	1737.812	28.031545	0.143454	1562.042	231.451735	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	397.214788	1752.588	28.523070	0.656828	1577.523	231.965110	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	397.656273	1765.027	28.964555	1.119197	1590.605	232.427478	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	397.722404	1766.839	29.030685	1.188523	1592.514	232.496805	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	398.241553	1780.649	29.549834	1.733241	1607.094	233.041522	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	398.771106	1794.025	30.079388	2.289682	1621.268	233.597964	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	399.310505	1806.957	30.618786	2.857215	1635.026	234.165497	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	399.859209	1819.436	31.167491	3.435238	1648.359	234.743520	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	0.416702	1831.454	31.724984	4.023173	1661.258	235.331454	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	0.982484	1843.001	32.290766	4.620467	1673.716	235.928749	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	1.556073	1854.072	32.864354	5.226593	1685.724	236.534874	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	2.137003	1864.659	33.445285	5.841041	1697.275	237.149323	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	2.724827	1874.754	34.033109	6.463324	1708.362	237.771606	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	3.319108	1884.351	34.627390	7.092974	1718.977	238.401255	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	3.919425	1893.445	35.227707	7.729537	1729.115	239.037819	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	4.371718	1899.908	35.680000	8.209473	1736.375	239.517755	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	4.525362	1902.029	35.833644	8.372571	1738.770	239.680853	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	5.135704	1910.155	36.443986	9.020639	1747.990	240.328921	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	5.747853	1917.981	37.056135	9.670561	1756.929	240.978843	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	6.359294	1925.682	37.667575	10.319217	1765.756	241.627499	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	6.801933	1931.300	38.110214	10.788220	1772.200	242.096501	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	6.801933	1931.300	38.110214	10.788220	1772.200	242.096501	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	189.203038	425.648	20.511320	205.441291	246.971	236.749572	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	189.997486	406.334	21.305767	208.154401	229.738	239.462683	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	190.871078	387.088	22.179360	211.300697	212.990	242.608979	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	191.835878	367.923	23.144160	214.973202	196.850	246.281484	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	192.906434	348.852	24.214715	219.284272	181.480	250.592554	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	194.100424	329.891	25.408705	224.364604	167.092	255.672886	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	195.439496	311.060	26.747778	230.355349	153.964	261.663631	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	196.950372	292.385	28.258654	237.386708	142.443	268.694989	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	198.666300	273.897	29.974582	245.535291	132.947	276.843572	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	200.628976	255.636	31.937258	254.758981	125.937	286.067262	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	202.891069	237.655	34.199351	264.830289	121.840	296.138570	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	205.519492	220.023	36.827774	275.320113	120.955	306.628395	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	208.599508	202.832	39.907790	285.680431	123.350	316.988713	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	212.239548	186.201	43.547829	295.401429	128.842	326.709710	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	216.575976	170.298	47.884257	304.143565	137.059	335.451847	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	221.775562	155.344	53.083844	311.771661	147.547	343.079943	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	228.030266	141.640	59.338548	318.307591	159.860	349.615873	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	235.533563	129.585	66.841844	323.859631	173.610	355.167913	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	244.422164	119.677	75.730446	328.566898	188.482	359.875180	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	254.672986	112.485	85.981268	332.567365	204.231	363.875647	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	265.985163	108.551	97.293445	335.983684	220.670	367.291966	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	277.747195	108.230	109.055477	338.919148	237.656	370.227430	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	289.189236	111.553	120.497518	341.458406	255.079	372.766688	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	299.655744	118.213	130.964025	343.669943	272.856	374.978225	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	308.789690	127.690	140.097972	345.608921	290.922	376.917202	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	316.527363	139.409	147.835644	347.319787	309.226	378.628069	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	317.683770	141.535	148.992052	347.584421	312.285	378.892703	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	322.990928	152.846	154.299210	348.841357	327.722	380.149639	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	328.404515	167.508	159.712797	350.223392	346.337	381.531674	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	333.004257	183.001	164.312538	351.513548	364.993	382.821830	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	336.992872	199.033	168.301154	352.750745	383.624	384.059027	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	338.234311	204.542	169.542593	353.163299	389.912	384.471581	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	340.531125	215.391	171.839406	353.965618	402.165	385.273900	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	343.722580	231.957	175.030861	355.170036	420.589	386.478318	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	346.633731	248.671	177.942013	356.365518	438.888	387.673799	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	348.568874	260.665	179.877155	357.213930	451.870	388.522211	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	349.315653	265.488	180.623935	357.553109	457.058	388.861391	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	351.797449	282.401	183.105731	358.726900	475.118	390.035182	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	354.083842	299.457	185.392124	359.870387	493.129	391.178669	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	356.176297	316.707	187.484579	360.968244	511.158	392.276526	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	357.868957	332.190	189.177238	361.892147	527.199	393.200429	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	358.075456	334.194	189.383738	362.007063	529.267	393.315345	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	359.787492	351.941	191.095774	362.978945	547.501	394.287227	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	361.334161	369.918	192.642443	363.887983	565.854	395.196265	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	362.736731	388.092	194.045012	364.739745	584.315	396.048027	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	364.013254	406.438	195.321535	365.539200	602.875	396.847482	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	365.179090	424.934	196.487371	366.290793	621.523	397.599075	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	366.247347	443.560	197.555629	366.998504	640.254	398.306786	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	367.229253	462.301	198.537534	367.665908	659.058	398.974190	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	368.134454	481.143	199.442736	368.296218	677.932	399.604500	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	368.971274	500.075	200.279556	368.892328	696.868	0.200610	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	369.746921	519.087	201.055203	369.456853	715.862	0.765135	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	370.467660	538.171	201.775941	369.992155	734.909	1.300437	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	371.138953	557.319	202.447235	370.500376	754.006	1.808658	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	371.765587	576.525	203.073868	370.983461	773.149	2.291742	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	372.351763	595.784	203.660045	371.443177	792.333	2.751458	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	372.901187	615.089	204.209469	371.881135	811.558	3.189417	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	373.417136	634.438	204.725418	372.298806	830.818	3.607088	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	373.902517	653.826	205.210799	372.697535	850.113	4.005816	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	374.359916	673.249	205.668198	373.078550	869.440	4.386832	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	374.791642	692.706	206.099923	373.442983	888.797	4.751265	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	374.826514	694.328	206.134796	373.472626	890.410	4.780908	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	375.201381	712.188	206.509663	373.793134	908.177	5.101415	19.307

CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	375.600555	731.669	206.908837	374.137485	927.550	5.445767	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	376.001940	751.115	207.310222	374.485821	946.882	5.794102	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	376.416978	770.490	207.725260	374.847095	966.131	6.155377	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	376.855883	789.752	208.164164	375.229462	985.252	6.537743	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	377.137260	801.347	208.445541	375.474507	996.752	6.782789	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	377.327616	808.854	208.635898	375.640206	1004.193	6.948487	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	377.835756	827.756	209.144037	376.082389	1022.912	7.390671	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	378.377872	846.441	209.686154	376.554258	1041.389	7.862540	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	378.951385	864.895	210.259667	377.053882	1059.610	8.362164	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	379.553947	883.103	210.862229	377.579474	1077.557	8.887756	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	380.183422	901.051	211.491704	378.129375	1095.218	9.437657	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	380.837862	918.728	212.146143	378.702045	1112.577	10.010327	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	381.515483	936.121	212.823765	379.296052	1129.622	10.604334	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	381.906365	945.779	213.214647	379.639187	1139.071	10.947468	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	382.214542	953.219	213.522824	379.909973	1146.341	11.218255	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	382.929931	970.048	214.238213	380.539627	1162.760	11.847909	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	383.653012	986.676	214.961294	381.177928	1178.952	12.486210	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	384.375713	1003.181	215.683995	381.818208	1194.998	13.126490	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	385.090599	1019.644	216.398881	382.454274	1210.983	13.762555	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	385.790705	1036.143	217.098986	383.080280	1226.993	14.388562	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	385.849465	1037.553	217.157747	383.132978	1228.362	14.441260	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	386.470339	1052.747	217.778620	383.691380	1243.101	14.999662	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	387.128796	1069.467	218.437078	384.286794	1259.320	15.595075	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	387.766915	1086.298	219.075197	384.867016	1275.647	16.175297	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	388.385503	1103.234	219.693785	385.432527	1292.077	16.740809	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	388.985331	1120.272	220.293612	385.983796	1308.606	17.292077	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	389.567136	1137.406	220.875418	386.521272	1325.231	17.829554	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	390.131628	1154.632	221.439910	387.045394	1341.948	18.353676	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	390.679482	1171.947	221.987764	387.556585	1358.754	18.864867	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	391.211346	1189.345	222.519627	388.055253	1375.645	19.363535	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	391.727838	1206.825	223.036119	388.541796	1392.619	19.850077	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	392.229550	1224.381	223.537832	389.016593	1409.672	20.324875	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	392.717048	1242.012	224.025330	389.480016	1426.801	20.788298	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	393.190873	1259.713	224.499155	389.932420	1444.005	21.240702	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	393.651542	1277.482	224.959824	390.374149	1461.279	21.682431	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	394.099549	1295.316	225.407830	390.805537	1478.622	22.113819	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	394.535366	1313.212	225.843647	391.226903	1496.032	22.535185	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	394.959444	1331.168	226.267726	391.638558	1513.506	22.946840	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	395.372217	1349.182	226.680498	392.040800	1531.041	23.349081	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	395.774096	1367.251	227.082377	392.433916	1548.636	23.742198	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	396.165476	1385.373	227.473757	392.818186	1566.289	24.126468	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	396.546735	1403.546	227.855016	393.193877	1583.998	24.502159	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	396.918234	1421.769	228.226516	393.561248	1601.760	24.869530	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	397.260419	1439.020	228.568701	393.900771	1618.583	25.209053	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	397.280319	1440.038	228.588601	393.920550	1619.575	25.228831	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	397.635624	1458.329	228.943906	394.274022	1637.415	25.582304	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	397.994343	1476.540	229.302625	394.630503	1655.163	25.938785	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	398.367651	1494.542	229.675933	394.999723	1672.679	26.308005	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	398.697468	1509.287	230.005750	395.323768	1686.992	26.632050	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 215.374 Dis= 120.866

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	398.765822	1512.191	230.074103	395.390645	1689.806	26.698927	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	399.195302	1529.356	230.503583	395.808891	1706.403	27.117173	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	399.655158	1545.985	230.963440	396.253659	1722.416	27.561941	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	0.067065	1559.627	231.375346	396.649955	1735.500	27.958236	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	0.143454	1562.042	231.451735	396.723264	1737.812	28.031545	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	0.656828	1577.523	231.965110	397.214788	1752.588	28.523070	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	1.119197	1590.605	232.427478	397.656273	1765.027	28.964555	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	1.188523	1592.514	232.496805	397.722404	1766.839	29.030685	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	1.733241	1607.094	233.041522	398.241553	1780.649	29.549834	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	2.289682	1621.268	233.597964	398.771106	1794.025	30.079388	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	2.857215	1635.026	234.165497	399.310505	1806.957	30.618786	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	3.435238	1648.359	234.743520	399.859209	1819.436	31.167491	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	4.023173	1661.258	235.331454	0.416702	1831.454	31.724984	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	4.620467	1673.716	235.928749	0.982484	1843.001	32.290766	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	5.226593	1685.724	236.534874	1.556073	1854.072	32.864354	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	5.841041	1697.275	237.149323	2.137003	1864.659	33.445285	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	6.463324	1708.362	237.771606	2.724827	1874.754	34.033109	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	7.092974	1718.977	238.401255	3.319108	1884.351	34.627390	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	7.729537	1729.115	239.037819	3.919425	1893.445	35.227707	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	8.209473	1736.375	239.517755	4.371718	1899.908	35.680000	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	8.372571	1738.770	239.680853	4.525362	1902.029	35.833644	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	9.020639	1747.990	240.328921	5.135704	1910.155	36.443986	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	9.670561	1756.929	240.978843	5.747853	1917.981	37.056135	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	10.319217	1765.756	241.627499	6.359294	1925.682	37.667575	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	10.788220	1772.200	242.096501	6.801933	1931.300	38.110214	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	10.788220	1772.200	242.096501	6.801933	1931.300	38.110214	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	189.203038	425.648	217.046936	183.248909	649.611	11.092807	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	189.997486	406.334	217.841384	183.576538	629.884	11.420437	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	190.871078	387.088	218.714977	183.925343	610.174	11.769241	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	191.835878	367.923	219.679776	184.297422	590.484	12.141320	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	192.906434	348.852	220.750332	184.695156	570.816	12.539054	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	194.100424	329.891	221.944322	185.121259	551.172	12.965158	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	195.439496	311.060	223.283395	185.578837	531.554	13.422735	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	196.950372	292.385	224.794271	186.071456	511.965	13.915355	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	198.666300	273.897	226.510198	186.603237	492.410	14.447135	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	200.628976	255.636	228.472874	187.178958	472.892	15.022856	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	202.891069	237.655	230.734968	187.804193	453.416	15.648091	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	205.519492	220.023	233.363390	188.485479	433.987	16.329377	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	208.599508	202.832	236.443406	189.230527	414.613	17.074426	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	212.239548	186.201	240.083446	190.048493	395.302	17.892392	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	216.575976	170.298	244.419874	190.950317	376.062	18.794216	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	221.775562	155.344	249.619461	191.949167	356.906	19.793066	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	228.030266	141.640	255.874165	193.061010	337.847	20.904908	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	235.533563	129.585	263.377461	194.305359	318.904	22.149257	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	244.422164	119.677	272.266062	195.706256	300.098	23.550154	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	254.672986	112.485	282.516885	197.293575	281.457	25.137473	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	265.985163	108.551	293.829062	199.104746	263.016	26.948644	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	277.747195	108.230	305.591094	201.187056	244.819	29.030954	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	289.189236	111.553	317.033135	203.600676	226.926	31.444574	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	299.655744	118.213	327.499642	206.422594	209.415	34.266493	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	308.789690	127.690	336.633588	209.751512	192.390	37.595410	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	316.527363	139.409	344.371261	213.713400	175.991	41.557298	14.411

CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	317.683770	141.535	345.527669	214.443136	173.341	42.287035	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	322.990928	152.846	350.834827	218.461633	160.402	46.305532	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	328.404515	167.508	356.248413	224.149979	145.793	51.993877	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	333.004257	183.001	360.848155	230.944378	132.362	58.788277	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	336.992872	199.033	364.836771	239.021498	120.368	66.865396	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	338.234311	204.542	366.078210	242.074515	116.690	69.918413	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	340.531125	215.391	368.375023	248.534462	110.147	76.378360	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	343.722580	231.957	371.566478	259.556594	102.184	87.400492	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	346.633731	248.671	374.477630	271.932025	97.045	99.775923	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	348.568874	260.665	376.412772	281.321103	95.370	109.165001	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	349.315653	265.488	377.159552	285.145286	95.195	112.989185	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	351.797449	282.401	379.641348	298.379522	96.882	126.223420	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	354.083842	299.457	381.927741	310.763441	102.074	138.607339	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	356.176297	316.707	384.020195	321.676008	110.419	149.519907	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	357.868957	332.190	385.712855	329.915264	120.032	157.759162	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	358.075456	334.194	385.919354	330.876311	121.397	158.720209	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	359.787492	351.941	387.631391	338.428740	134.457	166.272639	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	361.334161	369.918	389.178059	344.574569	149.063	172.418468	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	362.736731	388.092	390.580629	349.586007	164.806	177.429906	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	364.013254	406.438	391.857152	353.702934	181.390	181.546832	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	365.179090	424.934	393.022988	357.118510	198.604	184.962408	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	366.247347	443.560	394.091246	359.982442	216.298	187.826340	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	367.229253	462.301	395.073151	362.409164	234.364	190.253063	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	368.134454	481.143	395.978352	364.486014	252.720	192.329913	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	368.971274	500.075	396.815173	366.279966	271.309	194.123864	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	369.746921	519.087	397.590820	367.842788	290.086	195.686686	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	370.467660	538.171	398.311558	369.214877	309.017	197.058776	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	371.138953	557.319	398.982852	370.428072	328.074	198.271970	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	371.765587	576.525	399.609485	371.507715	347.238	199.351613	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	372.351763	595.784	0.195662	372.474179	366.490	200.318077	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	372.901187	615.089	0.745086	373.343990	385.819	201.187889	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	373.417136	634.438	1.261035	374.130677	405.213	201.974575	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	373.902517	653.826	1.746416	374.845401	424.664	202.689300	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	374.359916	673.249	2.203814	375.497449	444.163	203.341347	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	374.791642	692.706	2.635540	376.094596	463.704	203.938495	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	374.826514	694.328	2.670412	376.142076	465.334	203.985975	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	375.201381	712.188	3.045279	376.645804	483.280	204.489703	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	375.600555	731.669	3.444453	377.170547	502.863	205.014445	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	376.001940	751.115	3.845838	377.689079	522.422	205.532977	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	376.416978	770.490	4.260876	378.218699	541.925	206.062598	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	376.855883	789.752	4.699781	378.774197	561.337	206.618095	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	377.137260	801.347	4.981158	379.128723	573.034	206.972621	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	377.327616	808.854	5.171514	379.368046	580.613	207.211945	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	377.835756	827.756	5.679654	380.004831	599.721	207.848730	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	378.377872	846.441	6.221771	380.680744	618.645	208.524643	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	378.951385	864.895	6.795283	381.391945	637.373	209.235843	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	379.553947	883.103	7.397846	382.135064	655.893	209.978963	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	380.183422	901.051	8.027321	382.907136	674.194	210.751034	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	380.837862	918.728	8.681760	383.705539	692.264	211.549438	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	381.515483	936.121	9.359382	384.527949	710.094	212.371848	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	381.906365	945.779	9.750264	385.000500	720.018	212.844398	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	382.214542	953.219	10.058441	385.372143	727.675	213.216042	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	382.929931	970.048	10.773829	386.231424	745.030	214.075322	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	383.653012	986.676	11.496910	387.094462	762.223	214.938361	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	384.375713	1003.181	12.219612	387.950835	779.326	215.794734	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	385.090599	1019.644	12.934497	388.791091	796.410	216.634990	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	385.790705	1036.143	13.634603	389.606530	813.548	217.450429	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	385.849465	1037.553	13.693364	389.674605	815.013	217.518503	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	386.470339	1052.747	14.314237	390.390247	830.798	218.234145	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	387.128796	1069.467	14.972694	391.141973	848.169	218.985871	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	387.766915	1086.298	15.610814	391.863429	865.654	219.707328	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	388.385503	1103.234	16.229402	392.556234	883.245	220.400132	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	388.985331	1120.272	16.829229	393.221905	900.937	221.065804	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	389.567136	1137.406	17.411035	393.861870	918.723	221.705768	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	390.131628	1154.632	17.975527	394.477466	936.599	222.321365	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	390.679482	1171.947	18.523381	395.069951	954.559	222.913850	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	391.211346	1189.345	19.055244	395.640506	972.599	223.484404	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	391.727838	1206.825	19.571736	396.190238	990.713	224.034136	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	392.229550	1224.381	20.073448	396.720190	1008.900	224.564088	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	392.717048	1242.012	20.560947	397.231340	1027.153	225.075239	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	393.190873	1259.713	21.034772	397.724611	1045.471	225.568509	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	393.651542	1277.482	21.495441	398.200866	1063.849	226.044764	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	394.099549	1295.316	21.943447	398.660921	1082.284	226.504819	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	394.535366	1313.212	22.379264	399.105543	1100.775	226.949442	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	394.959444	1331.168	22.803343	399.535455	1119.317	227.379353	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	395.372217	1349.182	23.216115	399.951337	1137.908	227.795236	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	395.774096	1367.251	23.617994	0.353832	1156.547	228.197730	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	396.165476	1385.373	24.009374	0.743544	1175.230	228.587442	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	396.546735	1403.546	24.390633	1.121045	1193.956	228.964944	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	396.918234	1421.769	24.762132	1.486876	1212.723	229.330774	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	397.260419	1439.020	25.104318	1.822102	1230.481	229.666000	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	397.280319	1440.038	25.124218	1.841546	1231.528	229.685444	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	397.635624	1458.329	25.479523	2.188300	1250.351	230.032198	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	397.994343	1476.540	25.838242	2.539397	1269.106	230.383296	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	398.367651	1494.542	26.211549	2.908175	1287.683	230.752073	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	398.697468	1509.287	26.541367	3.237983	1302.945	231.081882	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	398.765822	1512.191	26.609720	3.306843	1305.958	231.150741	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	399.195302	1529.356	27.039200	3.743034	1323.811	231.586932	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	399.655158	1545.985	27.499057	4.215555	1341.191	232.059454	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	0.067065	1559.627	27.910963	4.642525	1355.517	232.486423	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	0.143454	1562.042	27.987352	4.722033	1358.061	232.565932	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	0.656828	1577.523	28.500727	5.258393	1374.414	233.102291	18.707

CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	1.119197	1590.605	28.963095	5.743573	1388.295	233.587472	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	1.188523	1592.514	29.032422	5.816433	1390.324	233.660332	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	1.733241	1607.094	29.577139	6.389716	1405.863	234.233614	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	2.289682	1621.268	30.133580	6.976666	1421.033	234.820564	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	2.857215	1635.026	30.701114	7.576528	1435.825	235.420426	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	3.435238	1648.359	31.279136	8.188588	1450.229	236.032486	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	4.023173	1661.258	31.867071	8.812168	1464.237	236.656066	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	4.620467	1673.716	32.464366	9.446624	1477.839	237.290522	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	5.226593	1685.724	33.070491	10.091345	1491.029	237.935243	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	5.841041	1697.275	33.684939	10.745750	1503.797	238.589648	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	6.463324	1708.362	34.307223	11.409285	1516.137	239.253184	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	7.092974	1718.977	34.936872	12.081423	1528.041	239.925322	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	7.729537	1729.115	35.573436	12.761660	1539.503	240.605558	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	8.209473	1736.375	36.053372	13.274977	1547.775	241.118875	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	8.372571	1738.770	36.216469	13.449502	1550.516	241.293401	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	9.020639	1747.990	36.864537	14.143179	1561.127	241.987078	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	9.670561	1756.929	37.514460	14.838638	1571.481	242.682537	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	10.319217	1765.756	38.163115	15.531861	1581.741	243.375760	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	10.788220	1772.200	38.632118	16.032155	1589.232	243.876053	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	10.788220	1772.200	38.632118	16.032155	1589.232	243.876053	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 229.295 Azimut: 172.156102

BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	183.248909	649.611	11.092807	189.203038	425.648	217.046936	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	183.576538	629.884	11.420437	189.997486	406.334	217.841384	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	183.925343	610.174	11.769241	190.871078	387.088	218.714977	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	184.297422	590.484	12.141320	191.835878	367.923	219.679776	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	184.695156	570.816	12.539054	192.906434	348.852	220.750332	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	185.121259	551.172	12.965158	194.100424	329.891	221.944322	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	185.578837	531.554	13.422735	195.439496	311.060	223.283395	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	186.071456	511.965	13.915355	196.950372	292.385	224.794271	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	186.603237	492.410	14.447135	198.666300	273.897	226.510198	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	187.178958	472.892	15.022856	200.628976	255.636	228.472874	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	187.804193	453.416	15.648091	202.891069	237.655	230.734968	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	188.485479	433.987	16.329377	205.519492	220.023	233.363390	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	189.230527	414.613	17.074426	208.599508	202.832	236.443406	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	190.048493	395.302	17.892392	212.239548	186.201	240.083446	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	190.950317	376.062	18.794216	216.575976	170.298	244.419874	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	191.949167	356.906	19.793066	221.775562	155.344	249.619461	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	193.061010	337.847	20.904908	228.030266	141.640	255.874165	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	194.305359	318.904	22.149257	235.533563	129.585	263.377461	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	195.706256	300.098	23.550154	244.422164	119.677	272.266062	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	197.293575	281.457	25.137473	254.672986	112.485	282.516885	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	199.104746	263.016	26.948644	265.985163	108.551	293.829062	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	201.187056	244.819	29.030954	277.747195	108.230	305.591094	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	203.600676	226.926	31.444574	289.189236	111.553	317.033135	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	206.422594	209.415	34.266493	299.655744	118.213	327.499642	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	209.751512	192.390	37.595410	308.789690	127.690	336.633588	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	213.713400	175.991	41.557298	316.527363	139.409	344.371261	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	214.443136	173.341	42.287035	317.683770	141.535	345.527669	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	218.461633	160.402	46.305532	322.990928	152.846	350.834827	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 229.295 Azimut: 172.156102

BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	224.149979	145.793	51.993877	328.404515	167.508	356.248413	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	230.944378	132.362	58.788277	333.004257	183.001	360.848155	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	239.021498	120.368	66.865396	336.992872	199.033	364.836771	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	242.074515	116.690	69.918413	338.234311	204.542	366.078210	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	248.534462	110.147	76.378360	340.531125	215.391	368.375023	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	259.556594	102.184	87.400492	343.722580	231.957	371.566478	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	271.932025	97.045	99.775923	346.633731	248.671	374.477630	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	281.321103	95.370	109.165001	348.568874	260.665	376.412772	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	285.145286	95.195	112.989185	349.315653	265.488	377.159552	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	298.379522	96.882	126.223420	351.797449	282.401	379.641348	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	310.763441	102.074	138.607339	354.083842	299.457	381.927741	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	321.676008	110.419	149.519907	356.176297	316.707	384.020195	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	329.915264	120.032	157.759162	357.868957	332.190	385.712855	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	330.876311	121.397	158.720209	358.075456	334.194	385.919354	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	338.428740	134.457	166.272639	359.787492	351.941	387.631391	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	344.574569	149.063	172.418468	361.334161	369.918	389.178059	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	349.586007	164.806	177.429906	362.736731	388.092	390.580629	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	353.702934	181.390	181.546832	364.013254	406.438	391.857152	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	357.118510	198.604	184.962408	365.179090	424.934	393.022988	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	359.982442	216.298	187.826340	366.247347	443.560	394.091246	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	362.409164	234.364	190.253063	367.229253	462.301	395.073151	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	364.486014	252.720	192.329913	368.134454	481.143	395.978352	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	366.279966	271.309	194.123864	368.971274	500.075	396.815173	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	367.842788	290.086	195.686686	369.746921	519.087	397.590820	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	369.214877	309.017	197.058776	370.467660	538.171	398.311558	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	370.428072	328.074	198.271970	371.138953	557.319	398.982852	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	371.507715	347.238	199.351613	371.765587	576.525	399.609485	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	372.474179	366.490	200.318077	372.351763	595.784	0.195662	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 229.295 Azimut: 172.156102

BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	373.343990	385.819	201.187889	372.901187	615.089	0.745086	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	374.130677	405.213	201.974575	373.417136	634.438	1.261035	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	374.845401	424.664	202.689300	373.902517	653.826	1.746416	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	375.497449	444.163	203.341347	374.359916	673.249	2.203814	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	376.094596	463.704	203.938495	374.791642	692.706	2.635540	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	376.142076	465.334	203.985975	374.826514	694.328	2.670412	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	376.645804	483.280	204.489703	375.201381	712.188	3.045279	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	377.170547	502.863	205.014445	375.600555	731.669	3.444453	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	377.689079	522.422	205.532977	376.001940	751.115	3.845838	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	378.218699	541.925	206.062598	376.416978	770.490	4.260876	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	378.774197	561.337	206.618095	376.855883	789.752	4.699781	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	379.128723	573.034	206.972621	377.137260	801.347	4.981158	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	379.368046	580.613	207.211945	377.327616	808.854	5.171514	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	380.004831	599.721	207.848730	377.835756	827.756	5.679654	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	380.680744	618.645	208.524643	378.377872	846.441	6.221771	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	381.391945	637.373	209.235843	378.951385	864.895	6.795283	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	382.135064	655.893	209.978963	379.553947	883.103	7.397846	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	382.907136	674.194	210.751034	380.183422	901.051	8.027321	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	383.705539	692.264	211.549438	380.837862	918.728	8.681760	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	384.527949	710.094	212.371848	381.515483	936.121	9.359382	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	385.000500	720.018	212.844398	381.906365	945.779	9.750264	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	385.372143	727.675	213.216042	382.214542	953.219	10.058441	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	386.231424	745.030	214.075322	382.929931	970.048	10.773829	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	387.094462	762.223	214.938361	383.653012	986.676	11.496910	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	387.950835	779.326	215.794734	384.375713	1003.181	12.219612	17.277

CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	388.791091	796.410	216.634990	385.090599	1019.644	12.934497	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	389.606530	813.548	217.450429	385.790705	1036.143	13.634603	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	389.674605	815.013	217.518503	385.849465	1037.553	13.693364	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 229.295 Azimut: 172.156102
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	390.390247	830.798	218.234145	386.470339	1052.747	14.314237	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	391.141973	848.169	218.985871	387.128796	1069.467	14.972694	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	391.863429	865.654	219.707328	387.766915	1086.298	15.610814	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	392.556234	883.245	220.400132	388.385503	1103.234	16.229402	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	393.221905	900.937	221.065804	388.985331	1120.272	16.829229	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	393.861870	918.723	221.705768	389.567136	1137.406	17.411035	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	394.477466	936.599	222.321365	390.131628	1154.632	17.975527	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	395.069951	954.559	222.913850	390.679482	1171.947	18.523381	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	395.640506	972.599	223.484404	391.211346	1189.345	19.055244	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	396.190238	990.713	224.034136	391.727838	1206.825	19.571736	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	396.720190	1008.900	224.564088	392.229550	1224.381	20.073448	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	397.231340	1027.153	225.075239	392.717048	1242.012	20.560947	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	397.724611	1045.471	225.568509	393.190873	1259.713	21.034772	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	398.200866	1063.849	226.044764	393.651542	1277.482	21.495441	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	398.660921	1082.284	226.504819	394.099549	1295.316	21.943447	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	399.105543	1100.775	226.949442	394.535366	1313.212	22.379264	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	399.535455	1119.317	227.379353	394.959444	1331.168	22.803343	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	399.951337	1137.908	227.795236	395.372217	1349.182	23.216115	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	0.353832	1156.547	228.197730	395.774096	1367.251	23.617994	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	0.743544	1175.230	228.587442	396.165476	1385.373	24.009374	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	1.121045	1193.956	228.964944	396.546735	1403.546	24.390633	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	1.486876	1212.723	229.330774	396.918234	1421.769	24.762132	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	1.822102	1230.481	229.666000	397.260419	1439.020	25.104318	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	1.841546	1231.528	229.685444	397.280319	1440.038	25.124218	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	2.188300	1250.351	230.032198	397.635624	1458.329	25.479523	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	2.539397	1269.106	230.383296	397.994343	1476.540	25.838242	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	2.908175	1287.683	230.752073	398.367651	1494.542	26.211549	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	3.237983	1302.945	231.081882	398.697468	1509.287	26.541367	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 229.295 Azimut: 172.156102
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 411.742 Dis= 107.914

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	3.306843	1305.958	231.150741	398.765822	1512.191	26.609720	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	3.743034	1323.811	231.586932	399.195302	1529.356	27.039200	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	4.215555	1341.191	232.059454	399.655158	1545.985	27.499057	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	4.642525	1355.517	232.486423	0.067065	1559.627	27.910963	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	4.722033	1358.061	232.565932	0.143454	1562.042	27.987352	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	5.258393	1374.414	233.102291	0.656828	1577.523	28.500727	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	5.743573	1388.295	233.587472	1.119197	1590.605	28.963095	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	5.816433	1390.324	233.660332	1.188523	1592.514	29.032422	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	6.389716	1405.863	234.233614	1.733241	1607.094	29.577139	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	6.976666	1421.033	234.820564	2.289682	1621.268	30.133580	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	7.576528	1435.825	235.420426	2.857215	1635.026	30.701114	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	8.188588	1450.229	236.032486	3.435238	1648.359	31.279136	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	8.812168	1464.237	236.656066	4.023173	1661.258	31.867071	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	9.446624	1477.839	237.290522	4.620467	1673.716	32.464366	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	10.091345	1491.029	237.935243	5.226593	1685.724	33.070491	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	10.745750	1503.797	238.589648	5.841041	1697.275	33.684939	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	11.409285	1516.137	239.253184	6.463324	1708.362	34.307223	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	12.081423	1528.041	239.925322	7.092974	1718.977	34.936872	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	12.761660	1539.503	240.605558	7.729537	1729.115	35.573436	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	13.274977	1547.775	241.118875	8.209473	1736.375	36.053372	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	13.449502	1550.516	241.293401	8.372571	1738.770	36.216469	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	14.143179	1561.127	241.987078	9.020639	1747.990	36.864537	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	14.838638	1571.481	242.682537	9.670561	1756.929	37.514460	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	15.531861	1581.741	243.375760	10.319217	1765.756	38.163115	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	16.032155	1589.232	243.876053	10.788220	1772.200	38.632118	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	16.032155	1589.232	243.876053	10.788220	1772.200	38.632118	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	183.248909	649.611	200.585574	183.113440	845.121	0.450105	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	183.576538	629.884	200.913203	183.360227	825.385	0.696892	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	183.925343	610.174	201.262008	183.619101	805.661	0.955766	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	184.297422	590.484	201.634087	183.890963	785.952	1.227628	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	184.695156	570.816	202.031821	184.176805	766.258	1.513470	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	185.121259	551.172	202.457925	184.477722	746.580	1.814387	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	185.578837	531.554	202.915502	184.794923	726.920	2.131588	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	186.071456	511.965	203.408121	185.129750	707.279	2.466415	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	186.603237	492.410	203.939902	185.483695	687.658	2.820360	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	187.178958	472.892	204.515623	185.858418	668.060	3.195083	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	187.804193	453.416	205.140858	186.255776	648.487	3.592442	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	188.485479	433.987	205.822144	186.677851	628.940	4.014516	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	189.230527	414.613	206.567193	187.126981	609.423	4.463646	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	190.048493	395.302	207.385158	187.605804	589.938	4.942469	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	190.950317	376.062	208.286982	188.117307	570.488	5.453972	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	191.949167	356.906	209.285832	188.664878	551.079	6.001544	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	193.061010	337.847	210.397675	189.252384	531.713	6.589049	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	194.305359	318.904	211.642024	189.884244	512.395	7.220910	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	195.706256	300.098	213.042921	190.565541	493.132	7.902206	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	197.293575	281.457	214.630240	191.302134	473.930	8.638799	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	199.104746	263.016	216.441411	192.100819	454.797	9.437484	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	201.187056	244.819	218.523721	192.969504	435.742	10.306169	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	203.600676	226.926	220.937341	193.917444	416.775	11.254109	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	206.422594	209.415	223.759259	194.955519	397.910	12.292184	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	209.751512	192.390	227.088177	196.096587	379.161	13.433252	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	213.713400	175.991	231.050065	197.355920	360.546	14.692585	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	214.443136	173.341	231.779802	197.577715	357.469	14.914381	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	218.461633	160.402	235.798298	198.749019	342.081	16.085684	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	224.149979	145.793	241.486644	200.275537	323.742	17.612202	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	230.944378	132.362	248.281043	201.927138	305.482	19.263803	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	239.021498	120.368	256.358163	203.693827	287.250	21.030492	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	242.074515	116.690	259.411180	204.315782	281.076	21.652448	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	248.534462	110.147	265.871127	205.565038	268.996	22.901704	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	259.556594	102.184	276.893259	207.549258	250.708	24.885923	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	271.932025	97.045	289.268690	209.673094	232.402	27.009759	10.393

CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	281.321103	95.370	298.657768	211.293701	219.336	28.630366	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	285.145286	95.195	302.481952	211.972609	214.098	29.309274	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	298.379522	96.882	315.716187	214.513598	195.844	31.850263	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	310.763441	102.074	328.100106	217.419135	177.748	34.755800	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	321.676008	110.419	339.012673	220.865706	159.952	38.202371	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	329.915264	120.032	347.251929	224.570951	144.597	41.907617	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	330.876311	121.397	348.212976	225.103508	142.663	42.440173	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	338.428740	134.457	355.765405	230.470371	126.165	47.807037	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	344.574569	149.063	361.911234	237.384246	110.828	54.720912	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	349.586007	164.806	366.922672	246.370601	97.200	63.707266	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	353.702934	181.390	371.039599	257.963594	86.099	75.300259	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	357.118510	198.604	374.455175	272.342725	78.601	89.679391	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	359.982442	216.298	377.319107	288.720540	75.784	106.057206	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	362.409164	234.364	379.745830	305.193833	78.155	122.530498	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	364.486014	252.720	381.822680	319.796996	85.284	137.133662	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	366.279966	271.309	383.616631	331.635504	96.117	148.972169	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	367.842788	290.086	385.179453	340.829716	109.561	158.166381	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	369.214877	309.017	386.551543	347.902194	124.774	165.238859	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	370.428072	328.074	387.764737	353.385916	141.187	170.722581	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	371.507715	347.238	388.844380	357.702792	158.426	175.039457	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	372.474179	366.490	389.810844	361.159927	176.249	178.496592	18.776

Istram 21.04
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	373.343990	385.819	390.680655	363.975446	194.497	181.312111	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	374.130677	405.213	391.467342	366.304299	213.059	183.640964	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	374.845401	424.664	392.182067	368.257736	231.860	185.594401	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	375.497449	444.163	392.834114	369.916830	250.847	187.253495	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	376.094596	463.704	393.431261	371.341625	269.980	188.678290	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	376.142076	465.334	393.478742	371.451245	271.580	188.787910	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	376.645804	483.280	393.982470	372.581260	289.226	189.917925	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	377.170547	502.863	394.507212	373.692391	308.534	191.029056	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	377.689079	522.422	395.025744	374.724655	327.858	192.061320	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	378.218699	541.925	395.555365	375.716880	347.153	193.053545	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	378.774197	561.337	396.110862	376.699709	366.380	194.036374	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	379.128723	573.034	396.465388	377.301051	377.975	194.637717	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	379.368046	580.613	396.704711	377.697277	385.492	195.033942	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	380.004831	599.721	397.341497	378.719990	404.458	196.056655	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	380.680744	618.645	398.017410	379.765062	423.268	197.101727	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	381.391945	637.373	398.728610	380.829473	441.913	198.166138	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	382.135064	655.893	399.471729	381.910721	460.387	199.247387	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	382.907136	674.194	0.243801	383.006716	478.680	200.343381	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	383.705539	692.264	1.042204	384.115697	496.785	201.452362	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	384.527949	710.094	1.864614	385.236171	514.694	202.572836	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	385.000500	720.018	2.337165	385.871245	524.683	203.207910	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	385.372143	727.675	2.708809	386.366652	532.401	203.703317	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	386.231424	745.030	3.568089	387.499402	549.930	204.836068	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	387.094462	762.223	4.431127	388.620416	567.344	205.957081	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	387.950835	779.326	5.287500	389.717073	584.709	207.053739	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	388.791091	796.410	6.127757	390.778194	602.093	208.114859	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	389.606530	813.548	6.943196	391.793703	619.559	209.130368	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	389.674605	815.013	7.011270	391.877828	621.053	209.214493	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	390.390247	830.798	7.726912	392.756018	637.160	210.092683	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	391.141973	848.169	8.478638	393.666402	654.899	211.003067	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	391.863429	865.654	9.200095	394.528602	672.765	211.865267	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	392.556234	883.245	9.892899	395.346053	690.748	212.682719	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	393.221905	900.937	10.558571	396.121902	708.839	213.458567	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	393.861870	918.723	11.198535	396.859030	727.030	214.195695	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	394.477466	936.599	11.814132	397.560083	745.313	214.896748	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	395.069951	954.559	12.406617	398.227487	763.683	215.564152	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	395.640506	972.599	12.977171	398.863472	782.133	216.200137	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	396.190238	990.713	13.526903	399.470086	800.657	216.806751	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	396.720190	1008.900	14.056855	0.049216	819.250	217.385881	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	397.231340	1027.153	14.568006	0.602599	837.909	217.939264	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	397.724611	1045.471	15.061276	1.131835	856.627	218.468500	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	398.200866	1063.849	15.537531	1.638403	875.403	218.975068	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	398.660921	1082.284	15.997586	2.123668	894.231	219.460333	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	399.105543	1100.775	16.442208	2.588894	913.110	219.925559	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	399.535455	1119.317	16.872120	3.035250	932.035	220.371915	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	399.951337	1137.908	17.288002	3.463819	951.004	220.800485	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	0.353832	1156.547	17.690497	3.875609	970.015	221.212274	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	0.743544	1175.230	18.080209	4.271552	989.065	221.608217	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	1.121045	1193.956	18.457710	4.652517	1008.151	221.989182	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	1.486876	1212.723	18.823541	5.019313	1027.272	222.355978	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	1.822102	1230.481	19.158767	5.353375	1045.360	222.690041	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	1.841546	1231.528	19.178211	5.372693	1046.426	222.709358	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	2.188300	1250.351	19.524965	5.716659	1065.595	223.053324	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	2.539397	1269.106	19.876063	6.065902	1084.705	223.402568	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	2.908175	1287.683	20.244840	6.436247	1103.664	223.772913	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	3.237983	1302.945	20.574648	6.771560	1119.275	224.108225	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	3.306843	1305.958	20.643508	6.842082	1122.361	224.178747	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	3.743034	1323.811	21.079699	7.292312	1140.687	224.628977	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	4.215555	1341.191	21.552220	7.785351	1158.593	225.122016	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	4.642525	1355.517	21.979190	8.234342	1173.406	225.571007	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	4.722033	1358.061	22.058698	8.318247	1176.041	225.654913	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	5.258393	1374.414	22.595058	8.886052	1193.020	226.222717	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	5.743573	1388.295	23.080238	9.401423	1207.480	226.738088	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	5.816433	1390.324	23.153098	9.478901	1209.597	226.815566	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	6.389716	1405.863	23.726381	10.089058	1225.838	227.425723	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	6.976666	1421.033	24.313331	10.714633	1241.743	228.051298	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	7.576528	1435.825	24.913193	11.354727	1257.303	228.691392	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	8.188588	1450.229	25.525253	12.008497	1272.509	229.345162	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	8.812168	1464.237	26.148833	12.675150	1287.352	230.011816	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	9.446624	1477.839	26.783289	13.353943	1301.824	230.690608	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	10.091345	1491.029	27.428010	14.044173	1315.915	231.380839	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	10.745750	1503.797	28.082415	14.745181	1329.620	232.081846	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	11.409285	1516.137	28.745950	15.456340	1342.929	232.793005	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	12.081423	1528.041	29.418088	16.177063	1355.836	233.513728	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	12.761660	1539.503	30.098325	16.906790	1368.334	234.243455	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	13.274977	1547.775	30.611642	17.457652	1377.402	234.794318	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	13.449502	1550.516	30.786167	17.644979	1380.416	234.981644	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	14.143179	1561.127	31.479845	18.389505	1392.127	235.726170	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	14.838638	1571.481	32.175303	19.135394	1403.605	236.472060	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	15.531861	1581.741	32.868526	19.877693	1415.006	237.214358	8.852

RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	16.032155	1589.232	33.368820	20.412294	1423.332	237.748960		8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	16.032155	1589.232	33.368820	20.412294	1423.332	237.748960		8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	183.113440	845.121	0.450105	183.248909	649.611	200.585574	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	183.360227	825.385	0.696892	183.576538	629.884	200.913203	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	183.619101	805.661	0.955766	183.925343	610.174	201.262008	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	183.890963	785.952	1.227628	184.297422	590.484	201.634087	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	184.176805	766.258	1.513470	184.695156	570.816	202.031821	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	184.477722	746.580	1.814387	185.121259	551.172	202.457925	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	184.794923	726.920	2.131588	185.578837	531.554	202.915502	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	185.129750	707.279	2.466415	186.071456	511.965	203.408121	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	185.483695	687.658	2.820360	186.603237	492.410	203.939902	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	185.858418	668.060	3.195083	187.178958	472.892	204.515623	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	186.255776	648.487	3.592442	187.804193	453.416	205.140858	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	186.677851	628.940	4.014516	188.485479	433.987	205.822144	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	187.126981	609.423	4.463646	189.230527	414.613	206.567193	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	187.605804	589.938	4.942469	190.048493	395.302	207.385158	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	188.117307	570.488	5.453972	190.950317	376.062	208.286982	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	188.664878	551.079	6.001544	191.949167	356.906	209.285832	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	189.252384	531.713	6.589049	193.061010	337.847	210.397675	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	189.884244	512.395	7.220910	194.305359	318.904	211.642024	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	190.565541	493.132	7.902206	195.706256	300.098	213.042921	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	191.302134	473.930	8.638799	197.293575	281.457	214.630240	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	192.100819	454.797	9.437484	199.104746	263.016	216.441411	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	192.969504	435.742	10.306169	201.187056	244.819	218.523721	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	193.917444	416.775	11.254109	203.600676	226.926	220.937341	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	194.955519	397.910	12.292184	206.422594	209.415	223.759259	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	196.096587	379.161	13.433252	209.751512	192.390	227.088177	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	197.355920	360.546	14.692585	213.713400	175.991	231.050065	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	197.577715	357.469	14.914381	214.443136	173.341	231.779802	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	198.749019	342.081	16.085684	218.461633	160.402	235.798298	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	200.275537	323.742	17.612202	224.149979	145.793	241.486644	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	201.927138	305.482	19.263803	230.944378	132.362	248.281043	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	203.693827	287.250	21.030492	239.021498	120.368	256.358163	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	204.315782	281.076	21.652448	242.074515	116.690	259.411180	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	205.565038	268.996	22.901704	248.534462	110.147	265.871127	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	207.549258	250.708	24.885923	259.556594	102.184	276.893259	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	209.673094	232.402	27.009759	271.932025	97.045	289.268690	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	211.293701	219.336	28.630366	281.321103	95.370	298.657768	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	211.972609	214.098	29.309274	285.145286	95.195	302.481952	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	214.513598	195.844	31.850263	298.379522	96.882	315.716187	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	217.419135	177.748	34.755800	310.763441	102.074	328.100106	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	220.865706	159.952	38.202371	321.676008	110.419	339.012673	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	224.570951	144.597	41.907617	329.915264	120.032	347.251929	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	225.103508	142.663	42.440173	330.876311	121.397	348.212976	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	230.470371	126.165	47.807037	338.428740	134.457	355.765405	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	237.384246	110.828	54.720912	344.574569	149.063	361.911234	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	246.370601	97.200	63.707266	349.586007	164.806	366.922672	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	257.963594	86.099	75.300259	353.702934	181.390	371.039599	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	272.342725	78.601	89.679391	357.118510	198.604	374.455175	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	288.720540	75.784	106.057206	359.982442	216.298	377.319107	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	305.193833	78.155	122.530498	362.409164	234.364	379.745830	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	319.796996	85.284	137.133662	364.486014	252.720	381.822680	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	331.635504	96.117	148.972169	366.279966	271.309	383.616631	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	340.829716	109.561	158.166381	367.842788	290.086	385.179453	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	347.902194	124.774	165.238859	369.214877	309.017	386.551543	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	353.385916	141.187	170.722581	370.428072	328.074	387.764737	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	357.702792	158.426	175.039457	371.507715	347.238	388.844380	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	361.159927	176.249	178.496592	372.474179	366.490	389.810844	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	363.975446	194.497	181.312111	373.343990	385.819	390.680655	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	366.304299	213.059	183.640964	374.130677	405.213	391.467342	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	368.257736	231.860	185.594401	374.845401	424.664	392.182067	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	369.916830	250.847	187.253495	375.497449	444.163	392.834114	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	371.341625	269.980	188.678290	376.094596	463.704	393.431261	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	371.451245	271.580	188.787910	376.142076	465.334	393.478742	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	372.581260	289.226	189.917925	376.645804	483.280	393.982470	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	373.692391	308.534	191.029056	377.170547	502.863	394.507212	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	374.724655	327.858	192.061320	377.689079	522.422	395.025744	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	375.716880	347.153	193.053545	378.218699	541.925	395.555365	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	376.699709	366.380	194.036374	378.774197	561.337	396.110862	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	377.301051	377.975	194.637717	379.128723	573.034	396.465388	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	377.697277	385.492	195.033942	379.368046	580.613	396.704711	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	378.719990	404.458	196.056655	380.004831	599.721	397.341497	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	379.765062	423.268	197.101727	380.680744	618.645	398.017410	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	380.829473	441.913	198.166138	381.391945	637.373	398.728610	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	381.910721	460.387	199.247387	382.135064	655.893	399.471729	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	383.006716	478.680	200.343381	382.907136	674.194	0.243801	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	384.115697	496.785	201.452362	383.705539	692.264	1.042204	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	385.236171	514.694	202.572836	384.527949	710.094	1.864614	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	385.871245	524.683	203.207910	385.000500	720.018	2.337165	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	386.366652	532.401	203.703317	385.372143	727.675	2.708809	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	387.499402	549.930	204.836068	386.231424	745.030	3.568089	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	388.620416	567.344	205.957081	387.094462	762.223	4.431127	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	389.717073	584.709	207.053739	387.950835	779.326	5.287500	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	390.778194	602.093	208.114859	388.791091	796.410	6.127757	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	391.793703	619.559	209.130368	389.606530	813.548	6.943196	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	391.877828	621.053	209.214493	389.674605	815.013	7.011270	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	392.756018	637.160	210.092683	390.390247	830.798	7.726912	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	393.666402	654.899	211.003067	391.141973	848.169	8.478638	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	394.528602	672.765	211.865267	391.863429	865.654	9.200095	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	395.346053	690.748	212.682719	392.556234	883.245	9.892899	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	396.121902	708.839	213.458567	393.221905	900.937	10.558571	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	396.859030	727.030	214.195695	393.861870	918.723	11.198535	16.420

RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	397.560083	745.313	214.896748	394.477466	936.599	11.814132	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	398.227487	763.683	215.564152	395.069951	954.559	12.406617	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	398.863472	782.133	216.200137	395.640506	972.599	12.977171	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	399.470086	800.657	216.806751	396.190238	990.713	13.526903	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	0.049216	819.250	217.385881	396.720190	1008.900	14.056855	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	0.602599	837.909	217.939264	397.231340	1027.153	14.568006	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	1.131835	856.627	218.468500	397.724611	1045.471	15.061276	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	1.638403	875.403	218.975068	398.200866	1063.849	15.537531	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	2.123668	894.231	219.460333	398.660921	1082.284	15.997586	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	2.588894	913.110	219.925559	399.105543	1100.775	16.442208	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	3.035250	932.035	220.371915	399.535455	1119.317	16.872120	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	3.463819	951.004	220.800485	399.951337	1137.908	17.288002	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	3.875609	970.015	221.212274	0.353832	1156.547	17.690497	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	4.271552	989.065	221.608217	0.743544	1175.230	18.080209	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	4.652517	1008.151	221.989182	1.121045	1193.956	18.457710	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	5.019313	1027.272	222.355978	1.486876	1212.723	18.823541	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	5.353375	1045.360	222.690041	1.822102	1230.481	19.158767	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	5.372693	1046.426	222.709358	1.841546	1231.528	19.178211	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	5.716659	1065.595	223.053324	2.188300	1250.351	19.524965	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	6.065902	1084.705	223.402568	2.539397	1269.106	19.876063	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	6.436247	1103.664	223.772913	2.908175	1287.683	20.244840	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	6.771560	1119.275	224.108225	3.237983	1302.945	20.574648	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 660.592 Dis= 95.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	6.842082	1122.361	224.178747	3.306843	1305.958	20.643508	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	7.292312	1140.687	224.628977	3.743034	1323.811	21.079699	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	7.785351	1158.593	225.122016	4.215555	1341.191	21.552220	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	8.234342	1173.406	225.571007	4.642525	1355.517	21.979190	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	8.318247	1176.041	225.654913	4.722033	1358.061	22.058698	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	8.886052	1193.020	226.222717	5.258393	1374.414	22.595058	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	9.401423	1207.480	226.738088	5.743573	1388.295	23.080238	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	9.478901	1209.597	226.815566	5.816433	1390.324	23.153098	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	10.089058	1225.838	227.425723	6.389716	1405.863	23.726381	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	10.714633	1241.743	228.051298	6.976666	1421.033	24.313331	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	11.354727	1257.303	228.691392	7.576528	1435.825	24.913193	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	12.008497	1272.509	229.345162	8.188588	1450.229	25.525253	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	12.675150	1287.352	230.011816	8.812168	1464.237	26.148833	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	13.353943	1301.824	230.690608	9.446624	1477.839	26.783289	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	14.044173	1315.915	231.380839	10.091345	1491.029	27.428010	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	14.745181	1329.620	232.081846	10.745750	1503.797	28.082415	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	15.456340	1342.929	232.793005	11.409285	1516.137	28.745950	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	16.177063	1355.836	233.513728	12.081423	1528.041	29.418088	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	16.906790	1368.334	234.243455	12.761660	1539.503	30.098325	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	17.457652	1377.402	234.794318	13.274977	1547.775	30.611642	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	17.644979	1380.416	234.981644	13.449502	1550.516	30.786167	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	18.389505	1392.127	235.726170	14.143179	1561.127	31.479845	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	19.135394	1403.605	236.472060	14.838638	1571.481	32.175303	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	19.877693	1415.006	237.214358	15.531861	1581.741	32.868526	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	20.412294	1423.332	237.748960	16.032155	1589.232	33.368820	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	20.412294	1423.332	237.748960	16.032155	1589.232	33.368820	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 144.669 Azimut: 354.230906

BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	183.113440	845.121	228.882534	178.979884	977.214	24.748977	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	183.360227	825.385	229.129320	179.107027	957.307	24.876121	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	183.619101	805.661	229.388194	179.239570	937.405	25.008664	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	183.890963	785.952	229.660056	179.377863	917.506	25.146956	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	184.176805	766.258	229.945899	179.522286	897.613	25.291380	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	184.477722	746.580	230.246815	179.673255	877.724	25.442349	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	184.794923	726.920	230.564017	179.831224	857.840	25.600317	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	185.129750	707.279	230.898844	179.996688	837.962	25.765782	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	185.483695	687.658	231.252788	180.170193	818.089	25.939286	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	185.858418	668.060	231.627512	180.352335	798.224	26.121428	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	186.255776	648.487	232.024870	180.543772	778.365	26.312866	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	186.677851	628.940	232.446945	180.745233	758.513	26.514326	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	187.126981	609.423	232.896074	180.957519	738.669	26.726613	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	187.605804	589.938	233.374898	181.181524	718.834	26.950618	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	188.117307	570.488	233.886400	181.418238	699.009	27.187332	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	188.664878	551.079	234.433972	181.668768	679.193	27.437862	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	189.252384	531.713	235.021477	181.934352	659.389	27.703445	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	189.884244	512.395	235.653338	182.216377	639.597	27.985471	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	190.565541	493.132	236.334634	182.516407	619.819	28.285501	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	191.302134	473.930	237.071228	182.836209	600.055	28.605303	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	192.100819	454.797	237.869912	183.177786	580.307	28.946880	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	192.969504	435.742	238.738597	183.543418	560.577	29.312512	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	193.917444	416.775	239.686537	183.935713	540.867	29.704806	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	194.955519	397.910	240.724612	184.357663	521.179	30.126756	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	196.096587	379.161	241.865680	184.812721	501.516	30.581815	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	197.355920	360.546	243.125013	185.304892	481.880	31.073986	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	197.577715	357.469	243.346809	185.390529	478.622	31.159622	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	198.749019	342.081	244.518113	185.836686	462.272	31.605780	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 144.669 Azimut: 354.230906

BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	200.275537	323.742	246.044630	186.396131	442.672	32.165225	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	201.927138	305.482	247.696231	186.962709	423.046	32.731803	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	203.693827	287.250	249.462921	187.511842	403.367	33.280936	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	204.315782	281.076	250.084876	187.688674	396.689	33.457768	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	205.565038	268.996	251.334132	188.015038	383.611	33.784131	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	207.549258	250.708	253.318352	188.453727	363.778	34.222821	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	209.673094	232.402	255.442188	188.816285	343.881	34.585378	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	211.293701	219.336	257.062794	189.020724	329.648	34.789817	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	211.972609	214.098	257.741703	189.088548	323.933	34.857642	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	214.513598	195.844	260.282692	189.264374	303.952	35.033468	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	217.419135	177.748	263.188228	189.358066	283.957	35.127160	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	220.865706	159.952	266.634800	189.390774	263.958	35.159867	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	224.570951	144.597	270.340045	189.391196	246.235	35.160290	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	225.103508	142.663	270.872602	189.390612	243.958	35.159706	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	230.470371	126.165	276.239465	189.384973	223.958	35.154067	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	237.384246	110.828	283.153340	189.378228	203.958	35.147322	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	246.370601	97.200	292.139694	189.370016	183.958	35.139110	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	257.963594	86.099	303.732688	189.359801	163.958	35.128895	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	272.342725	78.601	318.111819	189.346747	143.958	35.115841	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	288.720540	75.784	334.489634	189.329482	123.958	35.098575	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	305.193833	78.155	350.962926	189.305572	103.958	35.074666	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	319.796996	85.284	365.566090	189.270272	83.958	35.039366	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	331.635504	96.117	377.404598	189.212895	63.958	34.981989	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	340.829716	109.561	386.598810	189.103308	43.959	34.872402	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	347.902194	124.774	393.671288	188.810768	23.959	34.579862	18.122

RECTA	980.000	389.453760	0.000	420605.173	4577116.337	353.385916	141.187	399.155009	185.566340	3.965	31.335434	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	357.702792	158.426	3.471886	390.413990	16.044	236.183084	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	361.159927	176.249	6.929020	389.881178	36.043	235.650271	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	363.975446	194.497	9.744540	389.728645	56.043	235.497739	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	366.304299	213.059	12.073393	389.656348	76.042	235.425441	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	368.257736	231.860	14.026830	389.614160	96.042	235.383254	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	369.916830	250.847	15.685924	389.586515	116.042	235.355609	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	371.341625	269.980	17.110718	389.566998	136.042	235.336092	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	371.451245	271.580	17.220338	389.565628	137.708	235.334722	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	372.581260	289.226	18.350353	389.560072	156.042	235.329166	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	373.692391	308.534	19.461484	389.602747	176.042	235.371841	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	374.724655	327.858	20.493749	389.726873	196.038	235.495967	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	375.716880	347.153	21.485974	389.952487	216.025	235.721580	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	376.699709	366.380	22.468803	390.292772	235.987	236.061866	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	377.301051	377.975	23.070145	390.558604	248.061	236.327698	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	377.697277	385.492	23.466370	390.756316	255.906	236.525410	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	378.719990	404.458	24.489083	391.335407	275.758	237.104501	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	379.765062	423.268	25.534156	392.007569	295.528	237.776662	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	380.829473	441.913	26.598567	392.754952	315.203	238.524046	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	381.910721	460.387	27.679815	393.563979	334.771	239.333073	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	383.006716	478.680	28.775810	394.424141	354.221	240.193235	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	384.115697	496.785	29.884791	395.327178	373.543	241.096272	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	385.236171	514.694	31.005265	396.266512	392.726	242.035606	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	385.871245	524.683	31.640339	396.809013	403.457	242.578107	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	386.366652	532.401	32.135746	397.236544	411.763	243.005637	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	387.499402	549.930	33.268496	398.223819	430.666	243.992913	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	388.620416	567.344	34.389509	399.207302	449.475	244.976396	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	389.717073	584.709	35.486167	0.168959	468.236	245.938052	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	390.778194	602.093	36.547288	1.093573	486.995	246.862667	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	391.793703	619.559	37.562797	1.968107	505.797	247.737201	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	391.877828	621.053	37.646922	2.039939	507.402	247.809033	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	392.756018	637.160	38.525112	2.783353	524.677	248.552447	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	393.666402	654.899	39.435495	3.541850	543.638	249.310944	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	394.528602	672.765	40.297696	4.249129	562.671	250.018223	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	395.346053	690.748	41.115147	4.910049	581.768	250.679143	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	396.121902	708.839	41.890995	5.528895	600.925	251.297989	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	396.859030	727.030	42.628124	6.109454	620.134	251.878547	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	397.560083	745.313	43.329176	6.655083	639.393	252.424177	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	398.227487	763.683	43.996581	7.168771	658.695	252.937864	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	398.863472	782.133	44.632565	7.653180	678.038	253.422273	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	399.470086	800.657	45.239180	8.110692	697.417	253.879786	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	0.049216	819.250	45.818310	8.543445	716.831	254.312539	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	0.602599	837.909	46.371692	8.953357	736.277	254.722451	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	1.131835	856.627	46.900928	9.342160	755.751	255.111254	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	1.638403	875.403	47.407496	9.711416	775.252	255.480509	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	2.123668	894.231	47.892762	10.062539	794.778	255.831633	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	2.588894	913.110	48.357987	10.396814	814.326	256.165908	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	3.035250	932.035	48.804343	10.715408	833.897	256.484501	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	3.463819	951.004	49.232913	11.019383	853.487	256.788477	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	3.875609	970.015	49.644702	11.309711	873.095	257.078805	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	4.271552	989.065	50.040646	11.587280	892.722	257.356373	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	4.652517	1008.151	50.421611	11.852901	912.364	257.621995	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	5.019313	1027.272	50.788407	12.107322	932.021	257.876416	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	5.353375	1045.360	51.122469	12.337927	950.599	258.107021	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	5.372693	1046.426	51.141786	12.351230	951.693	258.120323	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	5.716659	1065.595	51.485753	12.588970	971.368	258.358063	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	6.065902	1084.705	51.834996	12.836857	990.999	258.605950	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	6.436247	1103.664	52.205341	13.112381	1010.524	258.881475	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	6.771560	1119.275	52.540653	13.374709	1026.659	259.143802	19.332

Istram 21.04
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	6.842082	1122.361	52.611176	13.431403	1029.857	259.200497	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	7.292312	1140.687	53.061406	13.803662	1048.908	259.572756	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	7.785351	1158.593	53.554444	14.227107	1067.626	259.996201	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	8.234342	1173.406	54.003435	14.623239	1083.190	260.392333	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	8.318247	1176.041	54.087341	14.698174	1085.967	260.467268	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	8.886052	1193.020	54.655146	15.211037	1103.915	260.980130	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	9.401423	1207.480	55.170517	15.682928	1119.264	261.452022	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	9.478901	1209.597	55.247994	15.754250	1121.516	261.523344	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	10.089058	1225.838	55.858151	16.318802	1138.823	262.087896	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	10.714633	1241.743	56.483726	16.902390	1155.833	262.671484	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	11.354727	1257.303	57.123820	17.503866	1172.535	263.272960	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	12.008497	1272.509	57.777590	18.122159	1188.920	263.891253	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	12.675150	1287.352	58.444244	18.756268	1204.977	264.525361	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	13.353943	1301.824	59.123037	19.405256	1220.696	265.174350	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	14.044173	1315.915	59.813267	20.068248	1236.068	265.837342	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	14.745181	1329.620	60.514274	20.744424	1251.085	266.513518	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	15.456340	1342.929	61.225434	21.433012	1265.737	267.202106	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	16.177063	1355.836	61.946156	22.133289	1280.017	267.902383	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	16.906790	1368.334	62.675884	22.844575	1293.917	268.613668	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	17.457652	1377.402	63.226746	23.382896	1304.051	269.151990	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	17.644979	1380.416	63.414073	23.566210	1307.429	269.335304	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	18.389505	1392.127	64.158598	24.295666	1320.593	270.064760	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	19.135394	1403.605	64.904488	25.027030	1333.537	270.796124	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	19.877693	1415.006	65.646787	25.754413	1346.406	271.523507	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	20.412294	1423.332	66.181388	26.277431	1355.795	272.046525	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	20.412294	1423.332	66.181388	26.277431	1355.795	272.046525	8.400

Istram 21.04
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EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	178.979884	977.214	24.748977	183.113440	845.121	228.882534	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	179.107027	957.307	24.876121	183.360227	825.385	229.129320	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	179.239570	937.405	25.008664	183.619101	805.661	229.388194	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	179.377863	917.506	25.146956	183.890963	785.952	229.660056	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	179.522286	897.613	25.291380	184.176805	766.258	229.945899	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	179.673255	877.724	25.442349	184.477722	746.580	230.246815	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	179.831224	857.840	25.600317	184.794923	726.920	230.564017	15.823

RECTA	140.000	372.884810	0.000	420863.268	4576323.265	179.996688	837.962	25.765782	185.129750	707.279	230.898844	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	180.170193	818.089	25.939286	185.483695	687.658	231.252788	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	180.352335	798.224	26.121428	185.858418	668.060	231.627512	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	180.543772	778.365	26.312866	186.255776	648.487	232.024870	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	180.745233	758.513	26.514326	186.677851	628.940	232.446945	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	180.957519	738.669	26.726613	187.126981	609.423	232.896074	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	181.181524	718.834	26.950618	187.605804	589.938	233.374898	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	181.418238	699.009	27.187332	188.117307	570.488	233.886400	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	181.668768	679.193	27.437862	188.664878	551.079	234.433972	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	181.934352	659.389	27.703445	189.252384	531.713	235.021477	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	182.216377	639.597	27.985471	189.884244	512.395	235.653338	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	182.516407	619.819	28.285501	190.565541	493.132	236.334634	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	182.836209	600.055	28.605303	191.302134	473.930	237.071228	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	183.177786	580.307	28.946880	192.100819	454.797	237.869912	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	183.543418	560.577	29.312512	192.969504	435.742	238.738597	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	183.935713	540.867	29.704806	193.917444	416.775	239.686537	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	184.357663	521.179	30.126756	194.955519	397.910	240.724612	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	184.812721	501.516	30.581815	196.096587	379.161	241.865680	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	185.304892	481.880	31.073986	197.355920	360.546	243.125013	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	185.390529	478.622	31.159622	197.577715	357.469	243.346809	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	185.836686	462.272	31.605780	198.749019	342.081	244.518113	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	186.396131	442.672	32.165225	200.275537	323.742	246.044630	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	186.962709	423.046	32.731803	201.927138	305.482	247.696231	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	187.511842	403.367	33.280936	203.693827	287.250	249.462921	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	187.688674	396.689	33.457768	204.315782	281.076	250.084876	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	188.015038	383.611	33.784131	205.565038	268.996	251.334132	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	188.453727	363.778	34.222821	207.549258	250.708	253.318352	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	188.816285	343.881	34.585378	209.673094	232.402	255.442188	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	189.020724	329.648	34.789817	211.293701	219.336	257.062794	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	189.088548	323.933	34.857642	211.972609	214.098	257.741703	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	189.264374	303.952	35.033468	214.513598	195.844	260.282692	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	189.358066	283.957	35.127160	217.419135	177.748	263.188228	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	189.390774	263.958	35.159867	220.865706	159.952	266.634800	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	189.391196	246.235	35.160290	224.570951	144.597	270.340045	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	189.390612	243.958	35.159706	225.103508	142.663	270.872602	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	189.384973	223.958	35.154067	230.470371	126.165	276.239465	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	189.378228	203.958	35.147322	237.384246	110.828	283.153340	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	189.370016	183.958	35.139110	246.370601	97.200	292.139694	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	189.359801	163.958	35.128895	257.963594	86.099	303.732688	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	189.346747	143.958	35.115841	272.342725	78.601	318.111819	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	189.329482	123.958	35.098575	288.720540	75.784	334.489634	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	189.305572	103.958	35.074666	305.193833	78.155	350.962926	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	189.270272	83.958	35.039366	319.796996	85.284	365.566090	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	189.212895	63.958	34.981989	331.635504	96.117	377.404598	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	189.103308	43.959	34.872402	340.829716	109.561	386.598810	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	188.810768	23.959	34.579862	347.902194	124.774	393.671288	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	185.566340	3.965	31.335434	353.385916	141.187	399.155009	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	390.413990	16.044	236.183084	357.702792	158.426	3.471886	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	389.881178	36.043	235.650271	361.159927	176.249	6.929020	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	389.728645	56.043	235.497739	363.975446	194.497	9.744540	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	389.656348	76.042	235.425441	366.304299	213.059	12.073393	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	389.614160	96.042	235.383254	368.257736	231.860	14.026830	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	389.586515	116.042	235.355609	369.916830	250.847	15.685924	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	389.566998	136.042	235.336092	371.341625	269.980	17.110718	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	389.565628	137.708	235.334722	371.451245	271.580	17.220338	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	389.560072	156.042	235.329166	372.581260	289.226	18.350353	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	389.602747	176.042	235.371841	373.692391	308.534	19.461484	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	389.726873	196.038	235.495967	374.724655	327.858	20.493749	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	389.952487	216.025	235.721580	375.716880	347.153	21.485974	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	390.292772	235.987	236.061866	376.699709	366.380	22.468803	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	390.558604	248.061	236.327698	377.301051	377.975	23.070145	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	390.756316	255.906	236.525410	377.697277	385.492	23.466370	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	391.335407	275.758	237.104501	378.719990	404.458	24.489083	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	392.007569	295.528	237.776662	379.765062	423.268	25.534156	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	392.754952	315.203	238.524046	380.829473	441.913	26.598567	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	393.563979	334.771	239.333073	381.910721	460.387	27.679815	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	394.424141	354.221	240.193235	383.006716	478.680	28.775810	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	395.327178	373.543	241.096272	384.115697	496.785	29.884791	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	396.266512	392.726	242.035606	385.236171	514.694	31.005265	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	396.809013	403.457	242.578107	385.871245	524.683	31.640339	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	397.236544	411.763	243.005637	386.366652	532.401	32.135746	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	398.223819	430.666	243.992913	387.499402	549.930	33.268496	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	399.207302	449.475	244.976396	388.620416	567.344	34.389509	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	0.168959	468.236	245.938052	389.717073	584.709	35.486167	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	1.093573	486.995	246.862667	390.778194	602.093	36.547288	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	1.968107	505.797	247.737201	391.793703	619.559	37.562797	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	2.039939	507.402	247.809033	391.877828	621.053	37.646922	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	2.783353	524.677	248.552447	392.756018	637.160	38.525112	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	3.541850	543.638	249.310944	393.666402	654.899	39.435495	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	4.249129	562.671	250.018223	394.528602	672.765	40.297696	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	4.910049	581.768	250.679143	395.346053	690.748	41.115147	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	5.528895	600.925	251.297989	396.121902	708.839	41.890995	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	6.109454	620.134	251.878547	396.859030	727.030	42.628124	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	6.655083	639.393	252.424177	397.560083	745.313	43.329176	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	7.168771	658.695	252.937864	398.227487	763.683	43.996581	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	7.653180	678.038	253.422273	398.863472	782.133	44.632565	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	8.110692	697.417	253.879786	399.470086	800.657	45.239180	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	8.543445	716.831	254.312539	0.049216	819.250	45.818310	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	8.953357	736.277	254.722451	0.602599	837.909	46.371692	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	9.342160	755.751	255.111254	1.131835	856.627	46.900928	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	9.711416	775.252	255.480509	1.638403	875.403	47.407496	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	10.062539	794.778	255.831633	2.123668	894.231	47.892762	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	10.396814	814.326	256.165908	2.588894	913.110	48.357987	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	10.715408	833.897	256.484501	3.035250	932.035	48.804343	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	11.019383	853.487	256.788477	3.463819	951.004	49.232913	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	11.309711	873.095	257.078805	3.875609	970.015	49.644702	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	11.587280	892.722	257.356373	4.271552	989.065	50.040646	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	11.852901	912.364	257.621995	4.652517	1008.151	50.421611	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	12.107322	932.021	257.876416	5.019313	1027.272	50.788407	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	12.337927	950.599	258.107021	5.353375	1045.360	51.122469	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	12.351230	951.693	258.120323	5.372693	1046.426	51.141786	18.301

CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	12.588970	971.368	258.358063	5.716659	1065.595	51.485753	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	12.836857	990.999	258.605950	6.065902	1084.705	51.834996	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	13.112381	1010.524	258.881475	6.436247	1103.664	52.205341	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	13.374709	1026.659	259.143802	6.771560	1119.275	52.540653	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 860.873 Dis= 75.779

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	13.431403	1029.857	259.200497	6.842082	1122.361	52.611176	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	13.803662	1048.908	259.572756	7.292312	1140.687	53.061406	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	14.227107	1067.626	259.996201	7.785351	1158.593	53.554444	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	14.623239	1083.190	260.392333	8.234342	1173.406	54.003435	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	14.698174	1085.967	260.467268	8.318247	1176.041	54.087341	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	15.211037	1103.915	260.980130	8.886052	1193.020	54.655146	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	15.682928	1119.264	261.452022	9.401423	1207.480	55.170517	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	15.754250	1121.516	261.523344	9.478901	1209.597	55.247994	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	16.318802	1138.823	262.087896	10.089058	1225.838	55.858151	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	16.902390	1155.833	262.671484	10.714633	1241.743	56.483726	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	17.503866	1172.535	263.272960	11.354727	1257.303	57.123820	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	18.122159	1188.920	263.891253	12.008497	1272.509	57.777590	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	18.756268	1204.977	264.525361	12.675150	1287.352	58.444244	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	19.405256	1220.696	265.174350	13.353943	1301.824	59.123037	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	20.068248	1236.068	265.837342	14.044173	1315.915	59.813267	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	20.744424	1251.085	266.513518	14.745181	1329.620	60.514274	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	21.433012	1265.737	267.202106	15.456340	1342.929	61.225434	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	22.133289	1280.017	267.902383	16.177063	1355.836	61.946156	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	22.844575	1293.917	268.613668	16.906790	1368.334	62.675884	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	23.382896	1304.051	269.151990	17.457652	1377.402	63.226746	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	23.566210	1307.429	269.335304	17.644979	1380.416	63.414073	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	24.295666	1320.593	270.064760	18.389505	1392.127	64.158598	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	25.027030	1333.537	270.796124	19.135394	1403.605	64.904488	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	25.754413	1346.406	271.523507	19.877693	1415.006	65.646787	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	26.277431	1355.795	272.046525	20.412294	1423.332	66.181388	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	26.277431	1355.795	272.046525	20.412294	1423.332	66.181388	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 1007.425 Dis=-176.486

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	178.979884	977.214	281.098886	168.557560	1043.178	70.676562	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	179.107027	957.307	281.226029	168.473044	1023.226	70.592046	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	179.239570	937.405	281.358572	168.385167	1003.274	70.504169	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	179.377863	917.506	281.496865	168.293724	983.325	70.412727	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	179.522286	897.613	281.641288	168.198495	963.378	70.317497	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	179.673255	877.724	281.792257	168.099238	943.434	70.218241	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	179.831224	857.840	281.950226	167.995695	923.492	70.114697	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	179.996688	837.962	282.115690	167.887582	903.552	70.006584	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	180.170193	818.089	282.289195	167.774589	883.615	69.893591	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	180.352335	798.224	282.471337	167.656380	863.681	69.775382	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	180.543772	778.365	282.662775	167.532586	843.750	69.651588	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	180.745233	758.513	282.864235	167.402802	823.822	69.521805	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	180.957519	738.669	283.076522	167.266585	803.898	69.385587	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	181.181524	718.834	283.300526	167.123445	783.978	69.242447	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	181.418238	699.009	283.537240	166.972842	764.062	69.091844	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	181.668768	679.193	283.787770	166.814178	744.150	68.933180	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	181.934352	659.389	284.053354	166.646791	724.244	68.765793	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	182.216377	639.597	284.335379	166.469944	704.342	68.588946	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	182.516407	619.819	284.635409	166.282814	684.447	68.401816	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	182.836209	600.055	284.955211	166.084481	664.557	68.203483	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	183.177786	580.307	285.296788	165.873912	644.675	67.992914	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	183.543418	560.577	285.662421	165.649944	624.800	67.768947	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	183.935713	540.867	286.054715	165.411263	604.933	67.530265	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	184.357663	521.179	286.476665	165.156376	585.075	67.275378	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	184.812721	501.516	286.931723	164.883583	565.228	67.002586	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	185.304892	481.880	287.423894	164.590942	545.391	66.709944	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	185.390529	478.622	287.509531	164.540274	542.099	66.659276	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	185.836686	462.272	287.955688	164.274299	525.569	66.393302	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 1007.425 Dis=-176.486

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	186.396131	442.672	288.515133	163.915664	505.782	66.034666	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	186.962709	423.046	289.081711	163.488660	486.060	65.607662	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	187.511842	403.367	289.630844	162.962789	466.452	65.081791	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	187.688674	396.689	289.807676	162.756340	459.851	64.875342	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	188.015038	383.611	290.134040	162.303992	447.019	64.422994	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	188.453727	363.778	290.572729	161.486720	427.824	63.605722	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	188.816285	343.881	290.935287	160.491003	408.925	62.610005	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	189.020724	329.648	291.139726	159.658934	395.654	61.777937	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	189.088548	323.933	291.207550	159.294570	390.389	61.413572	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	189.264374	303.952	291.383376	157.881113	372.269	60.000115	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	189.358066	283.957	291.477068	156.248066	354.574	58.367068	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	189.390774	263.958	291.509776	154.394117	337.294	56.513120	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	189.391196	246.235	291.510198	152.565285	322.315	54.684287	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	189.390612	243.958	291.509614	152.317539	320.412	54.436541	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	189.384973	223.958	291.503975	150.009466	303.919	52.128468	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	189.378228	203.958	291.497230	147.440354	287.871	49.559356	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	189.370016	183.958	291.489018	144.573222	272.346	46.692224	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	189.359801	163.958	291.478803	141.366913	257.440	43.485915	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	189.346747	143.958	291.465750	137.776937	243.266	39.895939	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	189.329482	123.958	291.448484	133.757413	229.960	35.876415	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	189.305572	103.958	291.424574	129.264682	217.680	31.383684	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	189.270272	83.958	291.389274	124.263203	206.610	26.382205	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	189.212895	63.958	291.331897	118.734117	196.953	20.853119	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	189.103308	43.959	291.222310	112.686049	188.927	14.805051	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	188.810768	23.959	290.929770	106.166237	182.747	8.285239	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	185.566340	3.965	287.685342	99.268150	178.604	1.387152	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	390.413990	16.044	92.532992	92.130673	176.642	394.249675	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	389.881178	36.043	92.000180	84.925508	176.933	387.044510	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 1007.425 Dis=-176.486

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	389.728645	56.043	91.847647	77.834230	179.467	379.953232	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	389.656348	76.042	91.775350	71.021956	184.150	373.140958	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	389.614160	96.042	91.733163	64.616586	190.825	366.735588	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	389.586515	116.042	91.705517	58.699344	199.292	360.818346	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	389.566998	136.042	91.686000	53.306575	209.333	355.425577	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	389.565628	137.708	91.684630	52.881227	210.234	355.000229	19.257

CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	389.560072	156.042	91.679074	48.441948	220.748	350.560951	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	389.602747	176.042	91.721749	44.102137	233.423	346.221139	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	389.726873	196.038	91.845875	40.275933	247.263	342.394935	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	389.952487	216.025	92.071489	36.943864	262.177	339.062866	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	390.292772	235.987	92.411774	34.081641	278.072	336.200643	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	390.558604	248.061	92.677606	32.565069	288.138	334.684071	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	390.756316	255.906	92.875318	31.662493	294.852	333.781495	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	391.335407	275.758	93.454410	29.648484	312.395	331.767486	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	392.007569	295.528	94.126571	27.989814	330.557	330.108816	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	392.754952	315.203	94.873954	26.640451	349.214	328.759454	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	393.563979	334.771	95.682982	25.559748	368.263	327.678750	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	394.424141	354.221	96.543143	24.712367	387.620	326.831369	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	395.327178	373.543	97.446180	24.067869	407.210	326.186871	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	396.266512	392.726	98.385514	23.600169	426.972	325.719172	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	396.809013	403.457	98.928015	23.406206	438.149	325.525208	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	397.236544	411.763	99.355546	23.286675	446.855	325.405677	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	398.223819	430.666	100.342821	23.099417	466.809	325.218419	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	399.207302	449.475	101.326304	23.004808	486.796	325.123810	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	0.168959	468.236	102.287961	22.973787	506.794	325.092789	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	1.093573	486.995	103.212575	22.981624	526.794	325.100626	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	1.968107	505.797	104.087109	23.007191	546.793	325.126193	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	2.039939	507.402	104.158941	23.009587	548.497	325.128589	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 1007.425 Dis=-176.486

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	2.783353	524.677	104.902355	23.034416	566.791	325.153418	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	3.541850	543.638	105.660852	23.059787	586.790	325.178789	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	4.249129	562.671	106.368131	23.083485	606.789	325.202487	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	4.910049	581.768	107.029051	23.105671	626.787	325.224673	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	5.528895	600.925	107.647897	23.126485	646.786	325.245487	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	6.109454	620.134	108.228456	23.146051	666.785	325.265053	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	6.655083	639.393	108.774085	23.164477	686.784	325.283479	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	7.168771	658.695	109.287773	23.181860	706.783	325.300862	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	7.653180	678.038	109.772182	23.198287	726.783	325.317289	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	8.110692	697.417	110.229695	23.213834	746.782	325.332836	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	8.543445	716.831	110.662447	23.228569	766.781	325.347571	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	8.953357	736.277	111.072360	23.242556	786.780	325.361558	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	9.342160	755.751	111.461162	23.255849	806.780	325.374851	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	9.711416	775.252	111.830418	23.268499	826.779	325.387501	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	10.062539	794.778	112.181541	23.280552	846.778	325.399554	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	10.396814	814.326	112.515816	23.292048	866.778	325.411050	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	10.715408	833.897	112.834410	23.303026	886.777	325.422028	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	11.019383	853.487	113.138385	23.313520	906.777	325.432522	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	11.309711	873.095	113.428714	23.323560	926.776	325.442563	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	11.587280	892.722	113.706282	23.333177	946.776	325.452179	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	11.852901	912.364	113.971903	23.342396	966.775	325.461398	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	12.107322	932.021	114.226324	23.351240	986.775	325.470243	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	12.337927	950.599	114.456929	23.359270	1005.662	325.478273	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	12.351230	951.693	114.470232	23.359735	1006.774	325.478737	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	12.588970	971.368	114.707972	23.371468	1026.773	325.490471	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	12.836857	990.999	114.955859	23.401616	1046.767	325.520618	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	13.112381	1010.524	115.231383	23.466650	1066.736	325.585652	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	13.374709	1026.659	115.493711	23.558519	1083.336	325.677521	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 177.799 Azimut: 297.880998
BO : BR505 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 1007.425 Dis=-176.486

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	13.431403	1029.857	115.550405	23.581723	1086.639	325.700725	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	13.803662	1048.908	115.922664	23.756281	1106.409	325.875283	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	14.227107	1067.626	116.346109	23.988315	1125.988	326.107317	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	14.623239	1083.190	116.742241	24.227220	1142.387	326.346222	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	14.698174	1085.967	116.817176	24.274272	1145.324	326.393274	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	15.211037	1103.915	117.330039	24.608253	1164.382	326.727255	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	15.682928	1119.264	117.801931	24.929225	1180.770	327.048227	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	15.754250	1121.516	117.873253	24.978588	1183.179	327.097590	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	16.318802	1138.823	118.437804	25.375937	1201.741	327.494939	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	16.902390	1155.833	119.021392	25.797724	1220.061	327.916726	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	17.503866	1172.535	119.622869	26.242546	1238.122	328.361549	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	18.122159	1188.920	120.241161	26.709090	1255.910	328.828092	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	18.756268	1204.977	120.875270	27.196119	1273.413	329.315122	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	19.405256	1220.696	121.524258	27.702477	1290.617	329.821479	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	20.068248	1236.068	122.187250	28.227073	1307.510	330.346075	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	20.744424	1251.085	122.863426	28.768883	1324.080	330.887885	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	21.433012	1265.737	123.552014	29.326943	1340.315	331.445945	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	22.133289	1280.017	124.252292	29.900345	1356.205	332.019347	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	22.844575	1293.917	124.963577	30.488233	1371.739	332.607235	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	23.382896	1304.051	125.501898	30.936514	1383.109	333.055516	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	23.566210	1307.429	125.685212	31.089780	1386.908	333.208782	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	24.295666	1320.593	126.414668	31.702182	1401.743	333.821184	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	25.027030	1333.537	127.146033	32.319041	1416.357	334.438044	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	25.754413	1346.406	127.873415	32.934002	1430.879	335.053004	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	26.277431	1355.795	128.396433	33.376376	1441.451	335.495378	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	26.277431	1355.795	128.396433	33.376376	1441.451	335.495378	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242
Distancia: 461.063 Azimut: 396.017622
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	178.979884	977.214	182.962262	184.425616	1427.081	388.407995	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	184.425616	1427.081	388.407995	178.979884	977.214	182.962262	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	184.588720	1407.413	388.571098	179.107027	957.307	183.089405	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	184.756446	1387.755	388.738824	179.239570	937.405	183.221948	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	184.928990	1368.107	388.911368	179.377863	917.506	183.360241	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	185.106561	1348.469	389.088940	179.522286	897.613	183.504664	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	185.289380	1328.842	389.271758	179.673255	877.724	183.655633	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	185.477678	1309.226	389.460056	179.831224	857.840	183.813602	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	185.671702	1289.622	389.654081	179.996688	837.962	183.979066	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	185.871715	1270.031	389.854093	180.170193	818.089	184.152571	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	186.077993	1250.452	390.060371	180.352335	798.224	184.334713	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	186.290831	1230.887	390.273209	180.543772	778.365	184.526151	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	186.510542	1211.336	390.492920	180.745233	758.513	184.727611	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	186.737459	1191.800	390.719837	180.957519	738.669	184.939898	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	186.971936	1172.279	390.954314	181.181524	718.834	185.163902	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	187.214350	1152.775	391.196729	181.418238	699.009	185.400616	10.384

RECTA	300.000	372.884810	0.000	420797.162	4576468.971	187.465105	1133.289	391.447483	181.668768	679.193	185.651146	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	187.724630	1113.820	391.707008	181.934352	659.389	185.916730	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	187.993385	1094.371	391.975763	182.216377	639.597	186.198755	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	188.271859	1074.942	392.254237	182.516407	619.819	186.498785	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	188.560580	1055.534	392.542958	182.836209	600.055	186.818587	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	188.860110	1036.149	392.842488	183.177786	580.307	187.160164	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	189.171055	1016.787	393.153433	183.543418	560.577	187.525797	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	189.494063	997.451	393.476441	183.935713	540.867	187.918091	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	189.829834	978.141	393.812212	184.357663	521.179	188.340041	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	190.179118	958.860	394.161496	184.812721	501.516	188.795099	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	190.542726	939.609	394.525104	185.304892	481.880	189.287270	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	190.604552	936.415	394.586930	185.390529	478.622	189.372907	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	190.920471	920.385	394.902849	185.836686	462.272	189.819064	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	191.304963	901.156	395.287341	186.396131	442.672	190.378509	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	191.685174	881.878	395.667552	186.962709	423.046	190.945087	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	192.049010	862.510	396.031388	187.511842	403.367	191.494220	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	192.166132	855.928	396.148510	187.688674	396.689	191.671052	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	192.383706	843.020	396.366084	188.015038	383.611	191.997416	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	192.682248	823.406	396.664626	188.453727	363.778	192.436105	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	192.941678	803.684	396.924056	188.816285	343.881	192.798663	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	193.101180	789.550	397.083558	189.020724	329.648	193.003102	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	193.158880	783.869	397.141258	189.088548	323.933	193.070926	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	193.335075	763.985	397.317453	189.264374	303.952	193.246752	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	193.480077	744.059	397.462455	189.358066	283.957	193.340444	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	193.605742	724.112	397.588120	189.390774	263.958	193.373152	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	193.711556	706.429	397.693934	189.391196	246.235	193.373574	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	193.725316	704.157	397.707694	189.390612	243.958	193.372990	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	193.850084	684.203	397.832462	189.384973	223.958	193.367351	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	193.982348	664.252	397.964726	189.378228	203.958	193.360606	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	194.122803	644.304	398.105181	189.370016	183.958	193.352394	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	194.272232	624.360	398.254610	189.359801	163.958	193.342179	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	194.431521	604.419	398.413899	189.346747	143.958	193.329126	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	194.601678	584.482	398.584057	189.329482	123.958	193.311860	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	194.783852	564.550	398.766231	189.305572	103.958	193.287950	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	194.979360	544.622	398.961738	189.270272	83.958	193.252650	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	195.189715	524.701	399.172093	189.212895	63.958	193.195273	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	195.416671	504.785	399.399049	189.103308	43.959	193.085686	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	195.662268	484.876	399.644647	188.810768	23.959	192.793146	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	195.928893	464.975	399.911271	185.566340	3.965	189.548718	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	196.219355	445.083	0.201734	390.413990	16.044	394.396368	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	196.536988	425.201	0.519366	389.881178	36.043	393.863556	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	196.885773	405.331	0.868151	389.728645	56.043	393.711023	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	197.270503	385.474	1.252881	389.656348	76.042	393.638726	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	197.697006	365.633	1.679384	389.614160	96.042	393.596539	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	198.172429	345.810	2.154807	389.586515	116.042	393.568893	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	198.705638	326.009	2.688016	389.566998	136.042	393.549376	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	198.752993	324.360	2.735371	389.565628	137.708	393.548006	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	199.303939	306.231	3.286317	389.560072	156.042	393.542450	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	199.955654	286.462	3.938033	389.602747	176.042	393.585125	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	200.638478	266.683	4.620856	389.726873	196.038	393.709251	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	201.322955	246.875	5.305333	389.952487	216.025	393.934865	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	201.969238	227.020	5.951616	390.292772	235.987	394.275150	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	202.319651	214.966	6.302030	390.558604	248.061	394.540982	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	202.522402	207.111	6.504780	390.756316	255.906	394.738694	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	202.923973	187.151	6.906351	391.335407	275.758	395.317786	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	203.117194	167.159	7.099572	392.007569	295.528	395.989947	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	203.016900	147.162	6.999278	392.754952	315.203	396.737330	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	202.484959	127.196	6.467337	393.563979	334.771	397.546358	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	201.282551	107.319	5.264929	394.424141	354.221	398.406519	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	198.961591	87.636	2.943969	395.327178	373.543	399.309556	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	194.587570	68.357	398.569949	396.266512	392.726	0.248890	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	190.491982	57.855	394.474361	396.809013	403.457	0.791391	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	185.938144	50.001	389.920522	397.236544	411.763	1.218922	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	167.179055	34.094	371.161433	398.223819	430.666	2.206197	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	127.530119	25.581	331.512497	399.207302	449.475	3.189680	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	83.299716	31.131	287.282095	0.168959	468.236	4.151337	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	60.288836	45.816	264.271214	1.093573	486.995	5.075951	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	49.336268	63.538	253.318646	1.968107	505.797	5.950485	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	48.685092	65.110	252.667470	2.039939	507.402	6.022317	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 983.958 Dis= -0.242

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	43.283258	82.320	247.265636	2.783353	524.677	6.765731	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	39.500144	101.567	243.482522	3.541850	543.638	7.524228	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	36.928470	121.059	240.910848	4.249129	562.671	8.231507	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	35.072214	140.694	239.054592	4.910049	581.768	8.892427	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	33.671485	160.419	237.653863	5.528895	600.925	9.511273	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	32.577906	180.205	236.560284	6.109454	620.134	10.091832	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	31.700911	200.033	235.683289	6.655083	639.393	10.637461	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	30.982209	219.892	234.964587	7.168771	658.695	11.151149	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	30.382634	239.775	234.365012	7.653180	678.038	11.635558	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	29.874918	259.676	233.857296	8.110692	697.417	12.093071	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	29.439506	279.591	233.421885	8.543445	716.831	12.525823	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	29.062013	299.517	233.044391	8.953357	736.277	12.935736	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	28.731624	319.452	232.714002	9.342160	755.751	13.324538	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	28.440056	339.395	232.422434	9.711416	775.252	13.693794	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	28.180856	359.345	232.163234	10.062539	794.778	14.044917	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	27.948925	379.300	231.931303	10.396814	814.326	14.379192	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	27.740181	399.259	231.722559	10.715408	833.897	14.697786	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	27.551315	419.222	231.533693	11.019383	853.487	15.001761	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	27.379620	439.188	231.361998	11.309711	873.095	15.292090	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	27.222859	459.158	231.205237	11.587280	892.722	15.569658	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	27.079166	479.130	231.061544	11.852901	912.364	15.835279	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	26.946973	499.104	230.929351	12.107322	932.021	16.089700	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	26.831495	517.969	230.813873	12.337927	950.599	16.320305	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	26.824956	519.080	230.807334	12.351230	951.693	16.333608	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	26.718777	539.061	230.701155	12.588970	971.368	16.571348	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	26.655492	559.053	230.637870	12.836857	990.999	16.819235	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	26.662978	579.052	230.645356	13.112381	1010.524	17.094759	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	26.740815	595.708	230.723193	13.374709	1026.659	17.357087	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:    1442.321 Dis= -25.473
                                                                          Distancia:   461.063  Azimut: 196.017622
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:     983.958 Dis=  -0.242

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.    2040.000  31.458187     0.000   420819.953  4578127.222  26.765313   599.027 230.747692  13.431403  1029.857  17.413781     19.344

CIRC.    2060.000  35.096014     0.000   420829.936  4578144.549  26.975342   618.923 230.957720  13.803662  1048.908  17.786040     19.352

CIRC.    2080.000  38.733842     0.000   420840.893  4578161.278  27.285290   638.685 231.267668  14.227107  1067.626  18.209485     19.248

CLOT.    2096.943  41.815702     0.000   420850.910  4578174.941  27.618797   655.284 231.601175  14.623239  1083.190  18.605617     19.073

CLOT.    2100.000  42.364592     0.000   420852.787  4578177.353  27.685421   658.262 231.667799  14.698174  1085.967  18.680552     19.033

CLOT.    2120.000  45.606842     0.000   420865.543  4578192.754  28.162678   677.623 232.145056  15.211037  1103.915  19.193415     18.707

CIRC.    2137.422  47.937351     0.000   420877.229  4578205.674  28.623907   694.320 232.606285  15.682928  1119.264  19.665307     18.333

CIRC.    2140.000  48.248181     0.000   420878.996  4578207.551  28.694821   696.779 232.677199  15.754250  1121.516  19.736629     18.270

CIRC.    2160.000  50.659619     0.000   420893.016  4578221.813  29.264632   715.753 233.247010  16.318802  1138.823  20.301180     17.722

CIRC.    2180.000  53.071058     0.000   420907.565  4578235.534  29.867133   734.537 233.849511  16.902390  1155.833  20.884768     17.076

CIRC.    2200.000  55.482496     0.000   420922.624  4578248.694  30.499565   753.121 234.481943  17.503866  1172.535  21.486245     16.416

CIRC.    2220.000  57.893935     0.000   420938.170  4578261.275  31.159458   771.493 235.141837  18.122159  1188.920  22.104537     15.756

CIRC.    2240.000  60.305374     0.000   420954.182  4578273.257  31.844597   789.642 235.826976  18.756268  1204.977  22.738646     15.096

CIRC.    2260.000  62.716812     0.000   420970.636  4578284.625  32.552986   807.559 236.535364  19.405256  1220.696  23.387634     14.455

CIRC.    2280.000  65.128251     0.000   420987.508  4578295.361  33.282824   825.232 237.265202  20.068248  1236.068  24.050626     13.832

CIRC.    2300.000  67.539689     0.000   421004.775  4578305.451  34.032482   842.655 238.014860  20.744424  1251.085  24.726802     13.210

CIRC.    2320.000  69.951128     0.000   421022.412  4578314.880  34.800484   859.816 238.782862  21.433012  1265.737  25.415390     12.587

CIRC.    2340.000  72.362566     0.000   421040.393  4578323.634  35.585488   876.708 239.567866  22.133289  1280.017  26.115668     11.965

CIRC.    2360.000  74.774005     0.000   421058.693  4578331.701  36.386272   893.322 240.368650  22.844575  1293.917  26.826953     11.342

CLOT.    2374.945  76.575993     0.000   421072.560  4578337.273  36.994303   905.551 240.976681  23.382896  1304.051  27.365274     10.877

CLOT.    2380.000  77.166091     0.000   421077.284  4578339.069  37.201692   909.651 241.184070  23.566210  1307.429  27.548588     10.720

CLOT.    2400.000  79.121416     0.000   421096.122  4578345.786  38.027372   925.723 242.009750  24.295666  1320.593  28.278044     10.097

CLOT.    2420.000  80.470796     0.000   421115.128  4578352.012  38.853085   941.640 242.835463  25.027030  1333.537  29.009409      9.475

CLOT.    2440.000  81.214233     0.000   421134.234  4578357.925  39.668765   957.514 243.651143  25.754413  1346.406  29.736791      8.852

RECTA    2454.538  81.374322     0.000   421148.150  4578362.130  40.249997   969.090 244.232375  26.277431  1355.795  30.259809      8.400

RECTA    2454.538  81.374322     0.000   421148.150  4578362.130  40.249997   969.090 244.232375  26.277431  1355.795  30.259809      8.400

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    0 : TRONCO B25
 EJE        :    1 : TRONCO B25


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:    1442.321 Dis= -25.473
                                                                          Distancia:   336.068  Azimut:  20.595117
 BO : BR503                X:  420682.293  Y: 4577898.997  Z:  14.281  PK:    1777.162 Dis= -41.627

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 372.884810     0.000   420921.111  4576195.773 184.425616  1427.081 163.830500 191.131447  1719.885 370.536330     13.580

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    0 : TRONCO B25
 EJE        :    1 : TRONCO B25


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:    1442.321 Dis= -25.473
                                                                          Distancia:   336.068  Azimut:  20.595117
 BO : BR503                X:  420682.293  Y: 4577898.997  Z:  14.281  PK:    1777.162 Dis= -41.627

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 372.884810     0.000   420921.111  4576195.773 184.425616  1427.081 163.830500 191.131447  1719.885 370.536330     13.580

RECTA      20.000 372.884810     0.000   420912.847  4576213.987 184.588720  1407.413 163.993603 191.343098  1700.710 370.747981     14.160

RECTA      40.000 372.884810     0.000   420904.584  4576232.200 184.756446  1387.755 164.161329 191.559574  1681.555 370.964457     14.740

RECTA      60.000 372.884810     0.000   420896.321  4576250.413 184.928990  1368.107 164.333874 191.781035  1662.419 371.185919     15.314

RECTA      80.000 372.884810     0.000   420888.058  4576268.626 185.106561  1348.469 164.511445 192.007652  1643.304 371.412536     15.720

RECTA     100.000 372.884810     0.000   420879.794  4576286.839 185.289380  1328.842 164.694263 192.239600  1624.210 371.644484     15.890

RECTA     120.000 372.884810     0.000   420871.531  4576305.052 185.477678  1309.226 164.882561 192.477063  1605.139 371.881946     15.823

RECTA     140.000 372.884810     0.000   420863.268  4576323.265 185.671702  1289.622 165.076586 192.720233  1586.090 372.125117     15.520

RECTA     160.000 372.884810     0.000   420855.005  4576341.479 185.871715  1270.031 165.276599 192.969311  1567.065 372.374195     14.980

RECTA     180.000 372.884810     0.000   420846.741  4576359.692 186.077993  1250.452 165.482877 193.224508  1548.065 372.629391     14.231

RECTA     200.000 372.884810     0.000   420838.478  4576377.905 186.290831  1230.887 165.695715 193.486042  1529.090 372.890926     13.451

RECTA     220.000 372.884810     0.000   420830.215  4576396.118 186.510542  1211.336 165.915426 193.754145  1510.141 373.159028     12.671

RECTA     240.000 372.884810     0.000   420821.952  4576414.331 186.737459  1191.800 166.142342 194.029055  1491.220 373.433939     11.891

RECTA     260.000 372.884810     0.000   420813.688  4576432.544 186.971936  1172.279 166.376819 194.311027  1472.327 373.715910     11.111

RECTA     280.000 372.884810     0.000   420805.425  4576450.757 187.214350  1152.775 166.619234 194.600323  1453.465 374.005206     10.384

RECTA     300.000 372.884810     0.000   420797.162  4576468.971 187.465105  1133.289 166.869989 194.897220  1434.632 374.302103     10.006

RECTA     320.000 372.884810     0.000   420788.899  4576487.184 187.724630  1113.820 167.129514 195.202009  1415.832 374.606892     10.021

RECTA     340.000 372.884810     0.000   420780.635  4576505.397 187.993385  1094.371 167.398268 195.514993  1397.066 374.919876     10.430

RECTA     360.000 372.884810     0.000   420772.372  4576523.610 188.271859  1074.942 167.676743 195.836493  1378.334 375.241376     11.219

RECTA     380.000 372.884810     0.000   420764.109  4576541.823 188.560580  1055.534 167.965463 196.166842  1359.638 375.571726     12.119

RECTA     400.000 372.884810     0.000   420755.846  4576560.036 188.860110  1036.149 168.264994 196.506394  1340.979 375.911278     13.019

RECTA     420.000 372.884810     0.000   420747.582  4576578.249 189.171055  1016.787 168.575938 196.855519  1322.360 376.260402     13.910

RECTA     440.000 372.884810     0.000   420739.319  4576596.463 189.494063   997.451 168.898947 197.214604  1303.782 376.619487     14.556

RECTA     460.000 372.884810     0.000   420731.056  4576614.676 189.829834   978.141 169.234717 197.584058  1285.247 376.988941     14.855

RECTA     480.000 372.884810     0.000   420722.793  4576632.889 190.179118   958.860 169.584001 197.964311  1266.756 377.369195     14.807

RECTA     500.000 372.884810     0.000   420714.529  4576651.102 190.542726   939.609 169.947609 198.355815  1248.311 377.760699     14.411

CLOT.     503.321 372.884810     0.000   420713.157  4576654.126 190.604552   936.415 170.009436 198.421949  1245.253 377.826833     14.312

CLOT.     520.000 373.067762     0.000   420706.281  4576669.322 190.920471   920.385 170.325355 198.758287  1229.909 378.163170     13.668

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    0 : TRONCO B25
 EJE        :    1 : TRONCO B25


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:    1442.321 Dis= -25.473
                                                                          Distancia:   336.068  Azimut:  20.595117
 BO : BR503                X:  420682.293  Y: 4577898.997  Z:  14.281  PK:    1777.162 Dis= -41.627

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CLOT.     540.000 373.769593     0.000   420698.158  4576687.598 191.304963   901.156 170.709847 199.166313  1211.503 378.571197     12.750

CLOT.     560.000 374.997555     0.000   420690.313  4576705.995 191.685174   881.878 171.090057 199.572034  1193.029 378.976918     11.941

CLOT.     580.000 376.751650     0.000   420682.901  4576724.570 192.049010   862.510 171.453894 199.967022  1174.427 379.371906     11.300

CIRC.     586.769 377.464536     0.000   420680.519  4576730.906 192.166132   855.928 171.571016 200.096694  1168.092 379.501577     11.122

CIRC.     600.000 378.916753     0.000   420676.075  4576743.368 192.383706   843.020 171.788589 200.342564  1155.646 379.747448     10.829

CIRC.     620.000 381.111994     0.000   420669.899  4576762.389 192.682248   823.406 172.087132 200.694179  1136.675 380.099063     10.526

CIRC.     640.000 383.307234     0.000   420664.382  4576781.613 192.941678   803.684 172.346561 201.020348  1117.528 380.425231     10.393

CLOT.     654.275 384.874033     0.000   420660.852  4576795.443 193.101180   789.550 172.506063 201.236716  1103.762 380.641600     10.401

CLOT.     660.000 385.480916     0.000   420659.532  4576801.014 193.158880   783.869 172.563763 201.319536  1098.218 380.724420     10.428

CLOT.     680.000 387.262472     0.000   420655.296  4576820.560 193.335075   763.985 172.739959 201.593325  1078.775 380.998208     10.633

CLOT.     700.000 388.517897     0.000   420651.528  4576840.202 193.480077   744.059 172.884960 201.849254  1059.242 381.254137     11.006

CLOT.     720.000 389.247189     0.000   420648.067  4576859.900 193.605742   724.112 173.010626 202.096147  1039.661 381.501031     11.536

RECTA     737.723 389.453760     0.000   420645.126  4576877.377 193.711556   706.429 173.116440 202.315052  1022.296 381.719935     12.032

RECTA     740.000 389.453760     0.000   420644.750  4576879.623 193.725316   704.157 173.130199 202.343568  1020.065 381.748452     12.096

RECTA     760.000 389.453760     0.000   420641.452  4576899.349 193.850084   684.203 173.254968 202.599484  1000.482 382.004368     12.656

RECTA     780.000 389.453760     0.000   420638.154  4576919.075 193.982348   664.252 173.387232 202.865614   980.915 382.270497     13.216

RECTA     800.000 389.453760     0.000   420634.856  4576938.801 194.122803   644.304 173.527686 203.142572   961.367 382.547455     13.776

RECTA     820.000 389.453760     0.000   420631.558  4576958.528 194.272232   624.360 173.677115 203.431021   941.837 382.835905     14.336

RECTA     840.000 389.453760     0.000   420628.260  4576978.254 194.431521   604.419 173.836404 203.731680   922.327 383.136564     14.896

RECTA     860.000 389.453760     0.000   420624.962  4576997.980 194.601678   584.482 174.006562 204.045326   902.839 383.450209     15.456

RECTA     880.000 389.453760     0.000   420621.664  4577017.706 194.783852   564.550 174.188736 204.372802   883.374 383.777686     16.016

RECTA     900.000 389.453760     0.000   420618.366  4577037.432 194.979360   544.622 174.384243 204.715026   863.933 384.119910     16.576

RECTA     920.000 389.453760     0.000   420615.068  4577057.159 195.189715   524.701 174.594598 205.072996   844.518 384.477880     17.136

RECTA     940.000 389.453760     0.000   420611.769  4577076.885 195.416671   504.785 174.821555 205.447799   825.132 384.852683     17.680

RECTA     960.000 389.453760     0.000   420608.471  4577096.611 195.662268   484.876 175.067152 205.840624   805.775 385.245508     18.122

RECTA     980.000 389.453760     0.000   420605.173  4577116.337 195.928893   464.975 175.333776 206.252770   786.450 385.657654     18.450

RECTA    1000.000 389.453760     0.000   420601.875  4577136.063 196.219355   445.083 175.624239 206.685662   767.160 386.090545     18.662

RECTA    1020.000 389.453760     0.000   420598.577  4577155.790 196.536988   425.201 175.941872 207.140862   747.908 386.545746     18.776

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    0 : TRONCO B25
 EJE        :    1 : TRONCO B25


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:    1442.321 Dis= -25.473
                                                                          Distancia:   336.068  Azimut:  20.595117
 BO : BR503                X:  420682.293  Y: 4577898.997  Z:  14.281  PK:    1777.162 Dis= -41.627

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA    1040.000 389.453760     0.000   420595.279  4577175.516 196.885773   405.331 176.290656 207.620092   728.695 387.024975     18.876

RECTA    1060.000 389.453760     0.000   420591.981  4577195.242 197.270503   385.474 176.675387 208.125245   709.526 387.530129     18.976

RECTA    1080.000 389.453760     0.000   420588.683  4577214.968 197.697006   365.633 177.101889 208.658416   690.404 388.063299     19.076

RECTA    1100.000 389.453760     0.000   420585.385  4577234.694 198.172429   345.810 177.577313 209.221919   671.334 388.626803     19.173
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RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	198.705638	326.009	178.110522	209.818323	652.319	389.223207	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	198.752993	324.360	178.157876	209.869577	650.738	389.274461	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	199.303939	306.231	178.708822	210.448713	633.359	389.853596	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	199.955654	286.462	179.360538	211.104946	614.421	390.509829	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	200.638478	266.683	180.043362	211.774814	595.461	391.179698	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	201.322955	246.875	180.727838	212.444503	576.435	391.849386	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	201.969238	227.020	181.374122	213.098203	557.301	392.503087	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	202.319651	214.966	181.724535	213.478835	545.642	392.883719	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	202.522402	207.111	181.927285	213.717800	538.025	393.122684	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	202.923973	187.151	182.328856	214.289248	518.597	393.694131	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	203.117194	167.159	182.522078	214.805852	499.029	394.210735	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	203.016900	147.162	182.421783	215.260482	479.338	394.665365	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	202.484959	127.196	181.889843	215.644764	459.541	395.049648	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	201.282551	107.319	180.687434	215.948810	439.658	395.353694	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	198.961591	87.636	178.366474	216.160871	419.710	395.565755	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	194.587570	68.357	173.992454	216.266904	399.723	395.671788	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	190.491982	57.855	169.896866	216.273742	388.469	395.678626	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	185.938144	50.001	165.343027	216.250351	379.725	395.655234	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	167.179055	34.094	146.583939	216.102406	359.744	395.507290	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	127.530119	25.581	106.935003	215.826404	339.802	395.231287	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	83.299716	31.131	62.704600	215.427446	319.909	394.832330	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	60.288836	45.816	39.693719	214.911984	300.068	394.316868	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	49.336268	63.538	28.741152	214.288224	280.270	393.693108	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	48.685092	65.110	28.089976	214.230383	278.585	393.635266	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	43.283258	82.320	22.688141	213.562291	260.509	392.967174	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	39.500144	101.567	18.905028	212.717312	240.787	392.122196	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	36.928470	121.059	16.333354	211.721782	221.116	391.126665	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	35.072214	140.694	14.477098	210.532177	201.508	389.937061	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	33.671485	160.419	13.076369	209.086756	181.987	388.491640	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	32.577906	180.205	11.982789	207.295173	162.581	386.700057	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	31.700911	200.033	11.105794	205.020360	143.339	384.425243	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	30.982209	219.892	10.387092	202.045400	124.337	381.450284	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	30.382634	239.775	9.787517	198.009971	105.704	377.414855	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	29.874918	259.676	9.279802	192.283155	87.674	371.688038	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	29.439506	279.591	8.844390	183.708184	70.713	363.113067	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	29.062013	299.517	8.466896	170.174410	55.802	349.579294	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	28.731624	319.452	8.136507	148.673194	45.026	328.078078	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	28.440056	339.395	7.844939	119.444970	41.724	298.849854	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	28.180856	359.345	7.585739	91.833639	47.481	271.238522	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	27.948925	379.300	7.353809	72.866301	59.732	252.271185	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	27.740181	399.259	7.145064	61.026187	75.376	240.431071	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	27.551315	419.222	6.956198	53.423476	92.709	232.828359	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	27.379620	439.188	6.784504	48.264795	110.944	227.669678	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	27.222859	459.158	6.627743	44.579354	129.700	223.984238	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	27.079166	479.130	6.484049	41.831844	148.780	221.236727	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	26.946973	499.104	6.351857	39.711912	168.075	219.116796	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	26.831495	517.969	6.236378	38.114358	186.432	217.519241	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	26.824956	519.080	6.229839	38.030027	187.517	217.434911	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	26.718777	539.061	6.123661	36.682252	207.077	216.087136	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	26.655492	559.053	6.060376	35.653298	226.768	215.058181	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	26.662978	579.052	6.067862	34.943387	246.592	214.348271	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	26.740815	595.708	6.145698	34.595544	263.206	214.000427	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 336.068 Azimut: 20.595117
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	26.765313	599.027	6.170197	34.552628	266.528	213.957511	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	26.975342	618.923	6.380225	34.463610	286.521	213.868494	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	27.285290	638.685	6.690173	34.623502	306.504	214.028386	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	27.618797	655.284	7.023680	34.919180	323.383	214.324063	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	27.685421	658.262	7.090305	34.986197	326.420	214.391081	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	28.162678	677.623	7.567562	35.507166	346.228	214.912049	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	28.623907	694.320	8.028791	36.046214	363.388	215.451098	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	28.694821	696.779	8.099704	36.130578	365.921	215.535462	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	29.264632	715.753	8.669516	36.816729	385.505	216.221612	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	29.867133	734.537	9.272016	37.552986	404.975	216.957870	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	30.499565	753.121	9.904448	38.332188	424.320	217.737071	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	31.159458	771.493	10.564342	39.148465	443.529	218.553349	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	31.844597	789.642	11.249481	39.996966	462.595	219.401849	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	32.552986	807.559	11.957869	40.873643	481.508	220.278526	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	33.282824	825.232	12.687707	41.775094	500.261	221.179977	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	34.032482	842.655	13.437365	42.698440	518.845	222.103324	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	34.800484	859.816	14.205367	43.641229	537.252	223.046112	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	35.585488	876.708	14.990371	44.601356	555.475	224.006239	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	36.386272	893.322	15.791155	45.577008	573.506	224.981891	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	36.994303	905.551	16.399186	46.315268	586.851	225.720152	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	37.201692	909.651	16.606576	46.566565	591.339	225.971448	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	38.027372	925.723	17.432255	47.563048	608.995	226.967931	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	38.853085	941.640	18.257969	48.549978	626.553	227.954862	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	39.668765	957.514	19.073649	49.511647	644.100	228.916530	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	40.249997	969.090	19.654880	50.186718	656.898	229.591601	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	40.249997	969.090	19.654880	50.186718	656.898	229.591601	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 336.068 Azimut: 220.595117
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	191.131447	1719.885	370.536330	184.425616	1427.081	163.830500	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	191.343098	1700.710	370.747981	184.588720	1407.413	163.993603	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	191.559574	1681.555	370.964457	184.756446	1387.755	164.161329	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	191.781035	1662.419	371.185919	184.928990	1368.107	164.333874	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	192.007652	1643.304	371.412536	185.106561	1348.469	164.511445	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	192.239600	1624.210	371.644484	185.289380	1328.842	164.694263	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	192.477063	1605.139	371.881946	185.477678	1309.226	164.882561	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	192.720233	1586.090	372.125117	185.671702	1289.622	165.076586	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	192.969311	1567.065	372.374195	185.871715	1270.031	165.276599	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	193.224508	1548.065	372.629391	186.077993	1250.452	165.482877	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	193.486042	1529.090	372.890926	186.290831	1230.887	165.695715	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	193.754145	1510.141	373.159028	186.510542	1211.336	165.915426	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	194.029055	1491.220	373.433939	186.737459	1191.800	166.142342	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	194.311027	1472.327	373.715910	186.971936	1172.279	166.376819	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	194.600323	1453.465	374.005206	187.214350	1152.775	166.619234	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	194.897220	1434.632	374.302103	187.465105	1133.289	166.869989	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	195.202009	1415.832	374.606892	187.724630	1113.820	167.129514	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	195.514993	1397.066	374.919876	187.993385	1094.371	167.398268	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	195.836493	1378.334	375.241376	188.271859	1074.942	167.676743	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	196.166842	1359.638	375.571726	188.560580	1055.534	167.965463	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	196.506394	1340.979	375.911278	188.860110	1036.149	168.264994	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	196.855519	1322.360	376.260402	189.171055	1016.787	168.575938	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	197.214604	1303.782	376.619487	189.494063	997.451	168.898947	14.556

RECTA	460.000	372.884810	0.000	420731.056	4576614.676	197.584058	1285.247	376.988941	189.829834	978.141	169.234717	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	197.964311	1266.756	377.369195	190.179118	958.860	169.584001	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	198.355815	1248.311	377.760699	190.542726	939.609	169.947609	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	198.421949	1245.253	377.826833	190.604552	936.415	170.009436	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	198.758287	1229.909	378.163170	190.920471	920.385	170.325355	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 336.068 Azimut: 220.595117
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	199.166313	1211.503	378.571197	191.304963	901.156	170.709847	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	199.572034	1193.029	378.976918	191.685174	881.878	171.090057	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	199.967022	1174.427	379.371906	192.049010	862.510	171.453894	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	200.096694	1168.092	379.501577	192.166132	855.928	171.571016	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	200.342564	1155.646	379.747448	192.383706	843.020	171.788589	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	200.694179	1136.675	380.099063	192.682248	823.406	172.087132	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	201.020348	1117.528	380.425231	192.941678	803.684	172.346561	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	201.236716	1103.762	380.641600	193.101180	789.550	172.506063	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	201.319536	1098.218	380.724420	193.158880	783.869	172.563763	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	201.593325	1078.775	380.998208	193.335075	763.985	172.739959	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	201.849254	1059.242	381.254137	193.480077	744.059	172.884960	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	202.096147	1039.661	381.501031	193.605742	724.112	173.010626	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	202.315052	1022.296	381.719935	193.711556	706.429	173.116440	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	202.343568	1020.065	381.748452	193.725316	704.157	173.130199	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	202.599484	1000.482	382.004368	193.850084	684.203	173.254968	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	202.865614	980.915	382.270497	193.982348	664.252	173.387232	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	203.142572	961.367	382.547455	194.122803	644.304	173.527686	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	203.431021	941.837	382.835905	194.272232	624.360	173.677115	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	203.731680	922.327	383.136564	194.431521	604.419	173.836404	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	204.045326	902.839	383.450209	194.601678	584.482	174.006562	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	204.372802	883.374	383.777686	194.783852	564.550	174.188736	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	204.715026	863.933	384.119910	194.979360	544.622	174.384243	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	205.072996	844.518	384.477880	195.189715	524.701	174.594598	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	205.447799	825.132	384.852683	195.416671	504.785	174.821555	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	205.840624	805.775	385.245508	195.662268	484.876	175.067152	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	206.252770	786.450	385.657654	195.928893	464.975	175.333776	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	206.685662	767.160	386.090545	196.219355	445.083	175.624239	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	207.140862	747.908	386.545746	196.536988	425.201	175.941872	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 336.068 Azimut: 220.595117
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	207.620092	728.695	387.024975	196.885773	405.331	176.290656	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	208.125245	709.526	387.530129	197.270503	385.474	176.675387	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	208.658416	690.404	388.063299	197.697006	365.633	177.101889	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	209.221919	671.334	388.626803	198.172429	345.810	177.577313	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	209.818323	652.319	389.223207	198.705638	326.009	178.110522	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	209.869577	650.738	389.274461	198.752993	324.360	178.157876	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	210.448713	633.359	389.853596	199.303939	306.231	178.708822	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	211.104946	614.421	390.509829	199.955654	286.462	179.360538	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	211.774814	595.461	391.179698	200.638478	266.683	180.043362	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	212.444503	576.435	391.849386	201.322955	246.875	180.727838	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	213.098203	557.301	392.503087	201.969238	227.020	181.374122	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	213.478835	545.642	392.883719	202.319651	214.966	181.724535	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	213.717800	538.025	393.122684	202.522402	207.111	181.927285	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	214.289248	518.597	393.694131	202.923973	187.151	182.328856	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	214.805852	499.029	394.210735	203.117194	167.159	182.522078	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	215.260482	479.338	394.665365	203.016900	147.162	182.421783	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	215.644764	459.541	395.049648	202.484959	127.196	181.889843	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	215.948810	439.658	395.353694	201.282551	107.319	180.687434	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	216.160871	419.710	395.565755	198.961591	87.636	178.366474	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	216.266904	399.723	395.671788	194.587570	68.357	173.992454	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	216.273742	388.469	395.678626	190.491982	57.855	169.896866	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	216.250351	379.725	395.655234	185.938144	50.001	165.343027	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	216.102406	359.744	395.507290	167.179055	34.094	146.583939	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	215.826404	339.802	395.231287	127.530119	25.581	106.935003	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	215.427446	319.909	394.832330	83.299716	31.131	62.704600	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	214.911984	300.068	394.316868	60.288836	45.816	39.693719	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	214.288224	280.270	393.693108	49.336268	63.538	28.741152	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	214.230383	278.585	393.635266	48.685092	65.110	28.089976	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 336.068 Azimut: 220.595117
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	213.562291	260.509	392.967174	43.283258	82.320	22.688141	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	212.717312	240.787	392.122196	39.500144	101.567	18.905028	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	211.721782	221.116	391.126665	36.928470	121.059	16.333354	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	210.532177	201.508	389.937061	35.072214	140.694	14.477098	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	209.086756	181.987	388.491640	33.671485	160.419	13.076369	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	207.295173	162.581	386.700057	32.577906	180.205	11.982789	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	205.020360	143.339	384.425243	31.700911	200.033	11.105794	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	202.045400	124.337	381.450284	30.982209	219.892	10.387092	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	198.009971	105.704	377.414855	30.382634	239.775	9.787517	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	192.283155	87.674	371.688038	29.874918	259.676	9.279802	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	183.708184	70.713	363.113067	29.439506	279.591	8.844390	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	170.174410	55.802	349.579294	29.062013	299.517	8.466896	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	148.673194	45.026	328.078078	28.731624	319.452	8.136507	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	119.444970	41.724	298.849854	28.440056	339.395	7.844939	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	91.833639	47.481	271.238522	28.180856	359.345	7.585739	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	72.866301	59.732	252.271185	27.948925	379.300	7.353809	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	61.026187	75.376	240.431071	27.740181	399.259	7.145064	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	53.423476	92.709	232.828359	27.551315	419.222	6.956198	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	48.264795	110.944	227.669678	27.379620	439.188	6.784504	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	44.579354	129.700	223.984238	27.222859	459.158	6.627743	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	41.831844	148.780	221.236727	27.079166	479.130	6.484049	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	39.711912	168.075	219.116796	26.946973	499.104	6.351857	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	38.114358	186.432	217.519241	26.831495	517.969	6.236378	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	38.030027	187.517	217.434911	26.824956	519.080	6.229839	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	36.682252	207.077	216.087136	26.718777	539.061	6.123661	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	35.653298	226.768	215.058181	26.655492	559.053	6.060376	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	34.943387	246.592	214.348271	26.662978	579.052	6.067862	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	34.595544	263.206	214.000427	26.740815	595.708	6.145698	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 336.068 Azimut: 220.595117
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1442.321 Dis= -25.473

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	34.552628	266.528	213.957511	26.765313	599.027	6.170197	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	34.463610	286.521	213.868494	26.975342	618.923	6.380225	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	34.623502	306.504	214.028386	27.285290	638.685	6.690173	19.248

CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	34.919180	323.383	214.324063	27.618797	655.284	7.023680	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	34.986197	326.420	214.391081	27.685421	658.262	7.090305	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	35.507166	346.228	214.912049	28.162678	677.623	7.567562	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	36.046214	363.388	215.451098	28.623907	694.320	8.028791	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	36.130578	365.921	215.535462	28.694821	696.779	8.099704	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	36.816729	385.505	216.221612	29.264632	715.753	8.669516	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	37.552986	404.975	216.957870	29.867133	734.537	9.272016	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	38.332188	424.320	217.737071	30.499565	753.121	9.904448	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	39.148465	443.529	218.553349	31.159458	771.493	10.564342	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	39.996966	462.595	219.401849	31.844597	789.642	11.249481	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	40.873643	481.508	220.278526	32.552986	807.559	11.957869	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	41.775094	500.261	221.179977	33.282824	825.232	12.687707	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	42.698440	518.845	222.103324	34.032482	842.655	13.437365	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	43.641229	537.252	223.046112	34.800484	859.816	14.205367	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	44.601356	555.475	224.006239	35.585488	876.708	14.990371	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	45.577008	573.506	224.981891	36.386272	893.322	15.791155	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	46.315268	586.851	225.720152	36.994303	905.551	16.399186	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	46.566565	591.339	225.971448	37.201692	909.651	16.606576	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	47.563048	608.995	226.967931	38.027372	925.723	17.432255	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	48.549978	626.553	227.954862	38.853085	941.640	18.257969	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	49.511647	644.100	228.916530	39.668765	957.514	19.073649	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	50.186718	656.898	229.591601	40.249997	969.090	19.654880	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	50.186718	656.898	229.591601	40.249997	969.090	19.654880	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 126.322 Azimut: 29.197808
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	191.131447	1719.885	161.933639	193.611781	1825.674	364.413973	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	191.343098	1700.710	162.145290	193.837190	1806.736	364.639382	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	191.559574	1681.555	162.361766	194.067372	1787.822	364.869564	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	191.781035	1662.419	162.583228	194.302474	1768.931	365.104666	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	192.007652	1643.304	162.809844	194.542647	1750.064	365.344839	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	192.239600	1624.210	163.041792	194.788052	1731.223	365.590244	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	192.477063	1605.139	163.279255	195.038853	1712.409	365.841046	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	192.720233	1586.090	163.522425	195.295223	1693.621	366.097415	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	192.969311	1567.065	163.771504	195.557340	1674.862	366.359532	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	193.224508	1548.065	164.026700	195.825391	1656.132	366.627583	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	193.486042	1529.090	164.288235	196.099569	1637.431	366.901761	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	193.754145	1510.141	164.556337	196.380076	1618.762	367.182268	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	194.029055	1491.220	164.831248	196.667124	1600.125	367.469316	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	194.311027	1472.327	165.113219	196.960930	1581.521	367.763123	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	194.600323	1453.465	165.402515	197.261725	1562.952	368.063917	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	194.897220	1434.632	165.699412	197.569746	1544.419	368.371938	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	195.202009	1415.832	166.004201	197.885242	1525.922	368.687434	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	195.514993	1397.066	166.317185	198.208472	1507.464	369.010664	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	195.836493	1378.334	166.638685	198.539707	1489.046	369.341899	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	196.166842	1359.638	166.969035	198.879229	1470.669	369.681421	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	196.506394	1340.979	167.308587	199.227334	1452.335	370.029526	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	196.855519	1322.360	167.657711	199.584329	1434.045	370.386521	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	197.214604	1303.782	168.016796	199.950536	1415.802	370.752728	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	197.584058	1285.247	168.386250	200.326290	1397.607	371.128482	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	197.964311	1266.756	168.766503	200.711944	1379.461	371.514136	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	198.355815	1248.311	169.158008	201.107863	1361.368	371.910056	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	198.421949	1245.253	169.224142	201.174629	1358.369	371.976821	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	198.758287	1229.909	169.560479	201.513750	1343.322	372.315942	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 126.322 Azimut: 29.197808
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	199.166313	1211.503	169.968505	201.924710	1325.272	372.726902	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	199.572034	1193.029	170.374227	202.333686	1307.147	373.135878	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	199.967022	1174.427	170.769214	202.733154	1288.882	373.535346	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	200.096694	1168.092	170.898886	202.864795	1282.656	373.666987	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	200.342564	1155.646	171.144756	203.115371	1270.417	373.917563	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	200.694179	1136.675	171.496372	203.476410	1251.740	374.278602	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	201.020348	1117.528	171.822540	203.815012	1232.864	374.617204	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	201.236716	1103.762	172.038908	204.042250	1219.278	374.844442	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	201.319536	1098.218	172.121729	204.129922	1213.803	374.932114	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	201.593325	1078.775	172.395517	204.422679	1194.585	375.224871	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	201.849254	1059.242	172.651446	204.700143	1175.264	375.502336	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	202.096147	1039.661	172.898339	204.970288	1155.885	375.772480	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	202.315052	1022.296	173.117244	205.210445	1138.699	376.012637	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	202.343568	1020.065	173.145761	205.241695	1136.491	376.043888	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	202.599484	1000.482	173.401676	205.521464	1117.114	376.323656	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	202.865614	980.915	173.667806	205.811103	1097.759	376.613295	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	203.142572	961.367	173.944764	206.111133	1078.427	376.913325	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	203.431021	941.837	174.233214	206.422108	1059.121	377.224300	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	203.731680	922.327	174.533872	206.744623	1039.840	377.546816	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	204.045326	902.839	174.847518	207.079316	1020.588	377.881508	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	204.372802	883.374	175.174995	207.426868	1001.364	378.229060	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	204.715026	863.933	175.517219	207.788015	982.172	378.590207	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	205.072996	844.518	175.875188	208.163544	963.012	378.965736	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	205.447799	825.132	176.249991	208.554305	943.888	379.356497	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	205.840624	805.775	176.642816	208.961212	924.800	379.763404	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	206.252770	786.450	177.054962	209.385252	905.752	380.187445	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	206.685662	767.160	177.487854	209.827490	886.745	380.629683	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	207.140862	747.908	177.943055	210.289078	867.784	381.091270	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 126.322 Azimut: 29.197808
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	207.620092	728.695	178.422284	210.771262	848.870	381.573454	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	208.125245	709.526	178.927437	211.275392	830.006	382.077584	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	208.658416	690.404	179.460608	211.802934	811.198	382.605127	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	209.221919	671.334	180.024111	212.355481	792.447	383.157673	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	209.818323	652.319	180.620516	212.934763	773.760	383.736955	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	209.869577	650.738	180.671770	212.984283	772.206	383.786476	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	210.448713	633.359	181.250905	213.541208	755.132	384.343401	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	211.104946	614.421	181.907138	214.167623	736.527	384.969815	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	211.774814	595.461	182.577006	214.803603	717.893	385.605795	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	212.444503	576.435	183.246695	215.437626	699.180	386.239819	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	213.098203	557.301	183.900395	216.056791	680.339	386.858983	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	213.478835	545.642	184.281028	216.418569	668.846	387.220762	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	213.717800	538.025	184.519992	216.646636	661.331	387.448828	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	214.289248	518.597	185.091440	217.196332	642.140	387.998524	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	214.805852	499.029	185.608044	217.701238	622.780	388.503431	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	215.260482	479.338	186.062674	218.156634	603.268	388.958827	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	215.644764	459.541	186.446956	218.557152	583.621	389.359345	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	215.948810	439.658	186.751002	218.896668	563.858	389.698860	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	216.160871	419.710	186.963064	219.168170	543.999	389.970363	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	216.266904	399.723	187.069096	219.363609	524.068	390.165801	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	216.273742	388.469	187.075934	219.436712	512.829	390.238905	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	216.250351	379.725	187.052543	219.473960	504.089	390.276152	17.937

CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	216.102406	359.744	186.904599	219.497161	484.091	390.299353	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	215.826404	339.802	186.628596	219.441190	464.095	390.243382	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	215.427446	319.909	186.229638	219.316150	444.116	390.118342	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	214.911984	300.068	185.714176	219.134061	424.154	389.936254	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	214.288224	280.270	185.090416	218.909291	404.208	389.711483	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	214.230383	278.585	185.032575	218.888695	402.509	389.690887	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 126.322 Azimut: 29.197808
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	213.562291	260.509	184.364483	218.656097	384.269	389.458289	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	212.717312	240.787	183.519504	218.375193	364.338	389.177386	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	211.721782	221.116	182.523974	218.061783	344.414	388.863975	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	210.532177	201.508	181.334370	217.709896	324.499	388.512088	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	209.086756	181.987	179.888949	217.312008	304.596	388.114200	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	207.295173	162.581	178.097366	216.858507	284.706	387.660699	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	205.020360	143.339	175.822552	216.336915	264.833	387.139108	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	202.045400	124.337	172.847593	215.730741	244.981	386.532933	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	198.009971	105.704	168.812164	215.017738	225.155	385.819930	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	192.283155	87.674	163.085347	214.167173	205.362	384.969365	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	183.708184	70.713	154.510376	213.135400	185.614	383.937592	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	170.174410	55.802	140.976603	211.858376	165.926	382.660568	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	148.673194	45.026	119.475386	210.238378	146.323	381.040570	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	119.444970	41.724	90.247163	208.119077	126.844	378.921270	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	91.833639	47.481	62.635831	205.235462	107.557	376.037654	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	72.866301	59.732	43.668493	201.104967	88.585	371.907159	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	61.026187	75.376	31.828380	194.769339	70.188	365.571531	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	53.423476	92.709	24.225668	184.141004	52.965	354.943196	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	48.264795	110.944	19.066987	164.560520	38.526	335.362712	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	44.579354	129.700	15.381546	129.995722	31.036	300.797914	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	41.831844	148.780	12.634036	91.789306	35.244	262.591498	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	39.711912	168.075	10.514104	68.084387	48.178	238.886579	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	38.114358	186.432	8.916550	55.934003	63.832	226.736195	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	38.030027	187.517	8.832219	55.405195	64.808	226.207387	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	36.682252	207.077	7.484444	48.113572	82.961	218.915764	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	35.653298	226.768	6.455490	43.663296	101.900	214.465488	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	34.943387	246.592	5.745580	40.926531	121.320	211.728724	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	34.595544	263.206	5.397736	39.544373	137.754	210.346566	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627
Distancia: 126.322 Azimut: 29.197808
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	34.552628	266.528	5.354820	39.347093	141.052	210.149285	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	34.463610	286.521	5.265802	38.594144	160.970	209.396336	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	34.623502	306.504	5.425695	38.408602	180.961	209.210794	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	34.919180	323.383	5.721372	38.568340	197.896	209.370533	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	34.986197	326.420	5.788390	38.621901	200.948	209.424093	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	35.507166	346.228	6.309358	39.111510	220.880	209.913702	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	36.046214	363.388	6.848406	39.673254	238.183	210.475446	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	36.130578	365.921	6.932770	39.763152	240.739	210.565344	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	36.816729	385.505	7.618921	40.504197	260.524	211.306389	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	37.552986	404.975	8.355179	41.310723	280.228	212.112915	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	38.332188	424.320	9.134380	42.169593	299.841	212.971785	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	39.148465	443.529	9.950658	43.070958	319.354	213.873151	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	39.996966	462.595	10.799158	44.007289	338.759	214.809481	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	40.873643	481.508	11.675835	44.972732	358.047	215.774925	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	41.775094	500.261	12.577286	45.962670	377.212	216.764862	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	42.698440	518.845	13.500632	46.973409	396.246	217.775601	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	43.641229	537.252	14.443421	48.001962	415.141	218.804155	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	44.601356	555.475	15.403548	49.045886	433.890	219.848079	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	45.577008	573.506	16.379200	50.103164	452.485	220.905356	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	46.315268	586.851	17.117461	50.900934	466.277	221.703126	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	46.566565	591.339	17.368757	51.172050	470.921	221.974242	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	47.563048	608.995	18.365240	52.243900	489.215	223.046092	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	48.549978	626.553	19.352171	53.298093	507.434	224.100285	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	49.511647	644.100	20.313839	54.315493	525.651	225.117685	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	50.186718	656.898	20.988910	55.022347	538.934	225.824539	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	50.186718	656.898	20.988910	55.022347	538.934	225.824539	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 126.322 Azimut: 229.197808
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	193.611781	1825.674	364.413973	191.131447	1719.885	161.933639	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	193.837190	1806.736	364.639382	191.343098	1700.710	162.145290	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	194.067372	1787.822	364.869564	191.559574	1681.555	162.361766	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	194.302474	1768.931	365.104666	191.781035	1662.419	162.583228	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	194.542647	1750.064	365.344839	192.007652	1643.304	162.809844	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	194.788052	1731.223	365.590244	192.239600	1624.210	163.041792	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	195.038853	1712.409	365.841046	192.477063	1605.139	163.279255	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	195.295223	1693.621	366.097415	192.720233	1586.090	163.522425	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	195.557340	1674.862	366.359532	192.969311	1567.065	163.771504	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	195.825391	1656.132	366.627583	193.224508	1548.065	164.026700	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	196.099569	1637.431	366.901761	193.486042	1529.090	164.288235	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	196.380076	1618.762	367.182268	193.754145	1510.141	164.556337	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	196.667124	1600.125	367.469316	194.029055	1491.220	164.831248	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	196.960930	1581.521	367.763123	194.311027	1472.327	165.113219	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	197.261725	1562.952	368.063917	194.600323	1453.465	165.402515	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	197.569746	1544.419	368.371938	194.897220	1434.632	165.699412	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	197.885242	1525.922	368.687434	195.202009	1415.832	166.004201	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	198.208472	1507.464	369.010664	195.514993	1397.066	166.317185	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	198.539707	1489.046	369.341899	195.836493	1378.334	166.638685	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	198.879229	1470.669	369.681421	196.166842	1359.638	166.969035	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	199.227334	1452.335	370.029526	196.506394	1340.979	167.308587	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	199.584329	1434.045	370.386521	196.855519	1322.360	167.657711	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	199.950536	1415.802	370.752728	197.214604	1303.782	168.016796	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	200.326290	1397.607	371.128482	197.584058	1285.247	168.386250	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	200.711944	1379.461	371.514136	197.964311	1266.756	168.766503	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	201.107863	1361.368	371.910056	198.355815	1248.311	169.158008	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	201.174629	1358.369	371.976821	198.421949	1245.253	169.224142	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	201.513750	1343.322	372.315942	198.758287	1229.909	169.560479	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 126.322 Azimut: 229.197808
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	201.924710	1325.272	372.726902	199.166313	1211.503	169.968505	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	202.333686	1307.147	373.135878	199.572034	1193.029	170.374227	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	202.733154	1288.882	373.535346	199.967022	1174.427	170.769214	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	202.864795	1282.656	373.666987	200.096694	1168.092	170.898886	11.122

CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	203.115371	1270.417	373.917563	200.342564	1155.646	171.144756	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	203.476410	1251.740	374.278602	200.694179	1136.675	171.496372	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	203.815012	1232.864	374.617204	201.020348	1117.528	171.822540	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	204.042250	1219.278	374.844442	201.236716	1103.762	172.038908	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	204.129922	1213.803	374.932114	201.319536	1098.218	172.121729	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	204.422679	1194.585	375.224871	201.593325	1078.775	172.395517	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	204.700143	1175.264	375.502336	201.849254	1059.242	172.651446	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	204.970288	1155.885	375.772480	202.096147	1039.661	172.898339	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	205.210445	1138.699	376.012637	202.315052	1022.296	173.117244	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	205.241695	1136.491	376.043888	202.343568	1020.065	173.145761	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	205.521464	1117.114	376.323656	202.599484	1000.482	173.401676	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	205.811103	1097.759	376.613295	202.865614	980.915	173.667806	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	206.111133	1078.427	376.913325	203.142572	961.367	173.944764	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	206.422108	1059.121	377.224300	203.431021	941.837	174.233214	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	206.744623	1039.840	377.546816	203.731680	922.327	174.533872	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	207.079316	1020.588	377.881508	204.045326	902.839	174.847518	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	207.426868	1001.364	378.229060	204.372802	883.374	175.174995	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	207.788015	982.172	378.590207	204.715026	863.933	175.517219	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	208.163544	963.012	378.965736	205.072996	844.518	175.875188	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	208.554305	943.888	379.356497	205.447799	825.132	176.249991	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	208.961212	924.800	379.763404	205.840624	805.775	176.642816	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	209.385252	905.752	380.187445	206.252770	786.450	177.054962	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	209.827490	886.745	380.629683	206.685662	767.160	177.487854	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	210.289078	867.784	381.091270	207.140862	747.908	177.943055	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 126.322 Azimut: 229.197808
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	210.771262	848.870	381.573454	207.620092	728.695	178.422284	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	211.275392	830.006	382.077584	208.125245	709.526	178.927437	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	211.802934	811.198	382.605127	208.658416	690.404	179.460608	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	212.355481	792.447	383.157673	209.221919	671.334	180.024111	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	212.934763	773.760	383.736955	209.818323	652.319	180.620516	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	212.984283	772.206	383.786476	209.869577	650.738	180.671770	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	213.541208	755.132	384.343401	210.448713	633.359	181.250905	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	214.167623	736.527	384.969815	211.104946	614.421	181.907138	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	214.803603	717.893	385.605795	211.774814	595.461	182.577006	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	215.437626	699.180	386.239819	212.444503	576.435	183.246695	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	216.056791	680.339	386.858983	213.098203	557.301	183.900395	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	216.418569	668.846	387.220762	213.478835	545.642	184.281028	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	216.646636	661.331	387.448828	213.717800	538.025	184.519992	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	217.196332	642.140	387.998524	214.289248	518.597	185.091440	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	217.701238	622.780	388.503431	214.805852	499.029	185.608044	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	218.156634	603.268	388.958827	215.260482	479.338	186.062674	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	218.557152	583.621	389.359345	215.644764	459.541	186.446956	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	218.896668	563.858	389.698860	215.948810	439.658	186.751002	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	219.168170	543.999	389.970363	216.160871	419.710	186.963064	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	219.363609	524.068	390.165801	216.266904	399.723	187.069096	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	219.436712	512.829	390.238905	216.273742	388.469	187.075934	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	219.473960	504.089	390.276152	216.250351	379.725	187.052543	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	219.497161	484.091	390.299353	216.102406	359.744	186.904599	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	219.441190	464.095	390.243382	215.826404	339.802	186.628596	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	219.316150	444.116	390.118342	215.427446	319.909	186.229638	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	219.134061	424.154	389.936254	214.911984	300.068	185.714176	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	218.909291	404.208	389.711483	214.288224	280.270	185.090416	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	218.888695	402.509	389.690887	214.230383	278.585	185.032575	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 126.322 Azimut: 229.197808
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	218.656097	384.269	389.458289	213.562291	260.509	184.364483	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	218.375193	364.338	389.177386	212.717312	240.787	183.519504	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	218.061783	344.414	388.863975	211.721782	221.116	182.523974	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	217.709896	324.499	388.512088	210.532177	201.508	181.334370	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	217.312008	304.596	388.114200	209.086756	181.987	179.888949	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	216.858507	284.706	387.660699	207.295173	162.581	178.097366	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	216.336915	264.833	387.139108	205.020360	143.339	175.822552	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	215.730741	244.981	386.532933	202.045400	124.337	172.847593	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	215.017738	225.155	385.819930	198.009971	105.704	168.812164	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	214.167173	205.362	384.969365	192.283155	87.674	163.085347	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	213.135400	185.614	383.937592	183.708184	70.713	154.510376	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	211.858376	165.926	382.660568	170.174410	55.802	140.976603	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	210.238378	146.323	381.040570	148.673194	45.026	119.475386	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	208.119077	126.844	378.921270	119.444970	41.724	90.247163	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	205.235462	107.557	376.037654	91.833639	47.481	62.635831	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	201.104967	88.585	371.907159	72.866301	59.732	43.668493	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	194.769339	70.188	365.571531	61.026187	75.376	31.828380	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	184.141004	52.965	354.943196	53.423476	92.709	24.225668	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	164.560520	38.526	335.362712	48.264795	110.944	19.066987	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	129.995722	31.036	300.797914	44.579354	129.700	15.381546	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	91.789306	35.244	262.591498	41.831844	148.780	12.634036	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	68.084387	48.178	238.886579	39.711912	168.075	10.514104	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	55.934003	63.832	226.736195	38.114358	186.432	8.916550	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	55.405195	64.808	226.207387	38.030027	187.517	8.832219	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	48.113572	82.961	218.915764	36.682252	207.077	7.484444	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	43.663296	101.900	214.465488	35.653298	226.768	6.455490	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	40.926531	121.320	211.728724	34.943387	246.592	5.745580	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	39.544373	137.754	210.346566	34.595544	263.206	5.397736	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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==========

BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 126.322 Azimut: 229.197808
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1777.162 Dis= -41.627

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	39.347093	141.052	210.149285	34.552628	266.528	5.354820	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	38.594144	160.970	209.396336	34.463610	286.521	5.265802	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	38.408602	180.961	209.210794	34.623502	306.504	5.425695	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	38.568340	197.896	209.370533	34.919180	323.383	5.721372	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	38.621901	200.948	209.424093	34.986197	326.420	5.788390	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	39.111510	220.880	209.913702	35.507166	346.228	6.309358	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	39.673254	238.183	210.475446	36.046214	363.388	6.848406	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	39.763152	240.739	210.565344	36.130578	365.921	6.932770	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	40.504197	260.524	211.306389	36.816729	385.505	7.618921	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	41.310723	280.228	212.112915	37.552986	404.975	8.355179	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	42.169593	299.841	212.971785	38.332188	424.320	9.134380	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	43.070958	319.354	213.873151	39.148465	443.529	9.950658	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	44.007289	338.759	214.809481	39.996966	462.595	10.799158	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	44.972732	358.047	215.774925	40.873643	481.508	11.675835	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	45.962670	377.212	216.764862	41.775094	500.261	12.577286	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	46.973409	396.246	217.775601	42.698440	518.845	13.500632	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	48.001962	415.141	218.804155	43.641229	537.252	14.443421	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	49.045886	433.890	219.848079	44.601356	555.475	15.403548	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	50.103164	452.485	220.905356	45.577008	573.506	16.379200	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	50.900934	466.277	221.703126	46.315268	586.851	17.117461	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	51.172050	470.921	221.974242	46.566565	591.339	17.368757	10.720

CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	52.243900	489.215	223.046092	47.563048	608.995	18.365240	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	53.298093	507.434	224.100285	48.549978	626.553	19.352171	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	54.315493	525.651	225.117685	49.511647	644.100	20.313839	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	55.022347	538.934	225.824539	50.186718	656.898	20.988910	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	55.022347	538.934	225.824539	50.186718	656.898	20.988910	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 146.299 Azimut: 24.378046
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	193.611781	1825.674	169.233735	195.824399	1956.400	371.446353	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	193.837190	1806.736	169.459144	196.056080	1937.698	371.678035	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	194.067372	1787.822	169.689326	196.292275	1919.021	371.914229	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	194.302474	1768.931	169.924428	196.533108	1900.371	372.155062	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	194.542647	1750.064	170.164601	196.778712	1881.749	372.400666	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	194.788052	1731.223	170.410006	197.029222	1863.156	372.651176	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	195.038853	1712.409	170.660807	197.284777	1844.592	372.906731	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	195.295223	1693.621	170.917177	197.545525	1826.059	373.167479	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	195.557340	1674.862	171.179294	197.811615	1807.556	373.433569	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	195.825391	1656.132	171.447345	198.083204	1789.086	373.705158	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	196.099569	1637.431	171.721523	198.360454	1770.649	373.982408	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	196.380076	1618.762	172.002030	198.643533	1752.247	374.265488	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	196.667124	1600.125	172.289078	198.932616	1733.880	374.554570	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	196.960930	1581.521	172.582884	199.227882	1715.549	374.849836	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	197.261725	1562.952	172.883679	199.529519	1697.256	375.151474	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	197.569746	1544.419	173.191700	199.837723	1679.002	375.459677	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	197.885242	1525.922	173.507196	200.152694	1660.788	375.774648	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	198.208472	1507.464	173.830426	200.474642	1642.616	376.096596	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	198.539707	1489.046	174.161661	200.803784	1624.486	376.425738	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	198.879229	1470.669	174.501183	201.140347	1606.402	376.762301	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	199.227334	1452.335	174.849288	201.484564	1588.363	377.106518	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	199.584329	1434.045	175.206283	201.836679	1570.371	377.458633	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	199.950536	1415.802	175.572490	202.196945	1552.429	377.818899	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	200.326290	1397.607	175.948244	202.565623	1534.537	378.187577	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	200.711944	1379.461	176.333898	202.942986	1516.698	378.564940	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	201.107863	1361.368	176.729818	203.329319	1498.914	378.951273	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	201.174629	1358.369	176.796583	203.394360	1495.966	379.016314	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	201.513750	1343.322	177.135704	203.724305	1481.179	379.346259	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 146.299 Azimut: 24.378046
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	201.924710	1325.272	177.546664	204.123542	1463.438	379.745496	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	202.333686	1307.147	177.955640	204.520728	1445.615	380.142682	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	202.733154	1288.882	178.355108	204.909172	1427.639	380.531126	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	202.864795	1282.656	178.486749	205.037418	1421.508	380.659372	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	203.115371	1270.417	178.737325	205.282022	1409.448	380.903976	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	203.476410	1251.740	179.098364	205.635838	1391.025	381.257792	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	203.815012	1232.864	179.436966	205.969566	1372.383	381.591520	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	204.042250	1219.278	179.664204	206.194880	1358.953	381.816834	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	204.129922	1213.803	179.751876	206.282164	1353.537	381.904118	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	204.422679	1194.585	180.044633	206.575081	1334.518	382.197035	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	204.700143	1175.264	180.322097	206.854476	1315.382	382.476430	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	204.970288	1155.885	180.592242	207.127463	1296.182	382.749417	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	205.210445	1138.699	180.832399	207.370118	1279.153	382.992072	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	205.241695	1136.491	180.863650	207.401648	1276.965	383.023602	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	205.521464	1117.114	181.143418	207.683276	1257.767	383.305230	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	205.811103	1097.759	181.433057	207.973629	1238.594	383.595583	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	206.111133	1078.427	181.733087	208.273106	1219.448	383.895060	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	206.422108	1059.121	182.044062	208.582130	1200.330	384.204084	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	206.744623	1039.840	182.366577	208.901149	1181.241	384.523103	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	207.079316	1020.588	182.701270	209.230640	1162.182	384.852594	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	207.426868	1001.364	183.048822	209.571108	1143.156	385.193062	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	207.788015	982.172	183.409969	209.923091	1124.163	385.545045	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	208.163544	963.012	183.785498	210.287160	1105.206	385.909114	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	208.554305	943.888	184.176259	210.663923	1086.287	386.285877	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	208.961212	924.800	184.583166	211.054029	1067.407	386.675983	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	209.385252	905.752	185.007206	211.458168	1048.568	387.080122	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	209.827490	886.745	185.449444	211.877076	1029.773	387.499030	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	210.289078	867.784	185.911032	212.311541	1011.024	387.933495	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 146.299 Azimut: 24.378046
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	210.771262	848.870	186.393216	212.762401	992.325	388.384355	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	211.275392	830.006	186.897346	213.230556	973.677	388.852510	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	211.802934	811.198	187.424888	213.716965	955.083	389.338920	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	212.355481	792.447	187.977435	214.222659	936.548	389.844613	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	212.934763	773.760	188.556717	214.748738	918.074	390.370692	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	212.984283	772.206	188.606237	214.793519	916.538	390.415473	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	213.541208	755.132	189.163162	215.295176	899.658	390.917130	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	214.167623	736.527	189.789577	215.855609	881.258	391.477563	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	214.803603	717.893	190.425557	216.421098	862.819	392.043052	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	215.437626	699.180	191.059581	216.981895	844.287	392.603849	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	216.056791	680.339	191.678745	217.527260	825.610	393.149214	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	216.418569	668.846	192.040523	217.845145	814.207	393.467099	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	216.646636	661.331	192.268590	218.045351	806.747	393.667305	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	217.196332	642.140	192.818286	218.527487	787.681	394.149441	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	217.701238	622.780	193.323192	218.970172	768.428	394.592126	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	218.156634	603.268	193.778589	219.369967	749.005	394.991921	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	218.557152	583.621	194.179106	219.723063	729.431	395.345017	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	218.896668	563.858	194.518622	220.025231	709.726	395.647185	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	219.168170	543.999	194.790124	220.271770	689.912	395.893724	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	219.363609	524.068	194.985563	220.457446	670.012	396.079400	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	219.436712	512.829	195.058666	220.533005	658.785	396.154959	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	219.473960	504.089	195.095914	220.576624	650.051	396.198578	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	219.497161	484.091	195.119115	220.629445	630.059	396.251399	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	219.441190	464.095	195.063144	220.623982	610.060	396.245936	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	219.316150	444.116	194.938104	220.569936	590.067	396.191890	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	219.134061	424.154	194.756015	220.478386	570.084	396.100340	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	218.909291	404.208	194.531245	220.362014	550.110	395.983968	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	218.888695	402.509	194.510649	220.351402	548.409	395.973356	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 146.299 Azimut: 24.378046
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	218.656097	384.269	194.278051	220.233176	530.140	395.855130	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	218.375193	364.338	193.997147	220.094251	510.173	395.716205	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	218.061783	344.414	193.683737	219.944009	490.207	395.565963	16.442

RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	217.709896	324.499	193.331850	219.781010	470.245	395.402964	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	217.312008	304.596	192.933962	219.603560	450.286	395.225514	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	216.858507	284.706	192.480461	219.409651	430.331	395.031605	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	216.336915	264.833	191.958869	219.196887	410.381	394.818841	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	215.730741	244.981	191.352695	218.962381	390.435	394.584335	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	215.017738	225.155	190.639692	218.702629	370.495	394.324583	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	214.167173	205.362	189.789127	218.413334	350.563	394.035288	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	213.135400	185.614	188.757354	218.089164	330.638	393.711118	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	211.858376	165.926	187.480330	217.723431	310.723	393.345385	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	210.238378	146.323	185.860332	217.307620	290.819	392.929575	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	208.119077	126.844	183.741031	216.830738	270.930	392.452692	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	205.235462	107.557	180.857416	216.278328	251.059	391.900282	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	201.104967	88.585	176.726921	215.631014	231.209	391.252968	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	194.769339	70.188	170.391293	214.862215	211.388	390.484169	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	184.141004	52.965	159.762958	213.934495	191.605	389.556449	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	164.560520	38.526	140.182474	212.793447	171.871	388.415401	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	129.995722	31.036	105.617676	211.356998	152.207	386.978952	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	91.789306	35.244	67.411260	209.495625	132.643	385.117579	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	68.084387	48.178	43.706341	206.993266	113.232	382.615220	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	55.934003	63.832	31.555957	203.697406	95.124	379.319360	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	55.405195	64.808	31.027149	203.463822	94.067	379.085776	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	48.113572	82.961	23.735526	198.111034	75.361	373.732989	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	43.663296	101.900	19.285250	189.050434	57.696	364.672388	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	40.926531	121.320	16.548486	172.130590	42.621	347.752544	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	39.544373	137.754	15.166327	147.638094	34.805	323.260048	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888
Distancia: 146.299 Azimut: 24.378046
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	39.347093	141.052	14.969047	141.626296	34.105	317.248250	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	38.594144	160.970	14.216098	105.855741	37.211	281.477695	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	38.408602	180.961	14.030556	82.782702	49.822	258.404656	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	38.568340	197.896	14.190295	72.299094	63.991	247.921048	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	38.621901	200.948	14.243855	70.966553	66.724	246.588507	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	39.111510	220.880	14.733464	64.834069	85.355	240.456023	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	39.673254	238.183	15.295208	61.801438	102.199	237.423392	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	39.763152	240.739	15.385106	61.466558	104.718	237.088512	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	40.504197	260.524	16.126151	59.546817	124.419	235.168771	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	41.310723	280.228	16.932677	58.484702	144.292	234.106657	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	42.169593	299.841	17.791547	57.972729	164.253	233.594683	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	43.070958	319.354	18.692912	57.833313	184.248	233.455267	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	44.007289	338.759	19.629243	57.957301	204.243	233.579255	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	44.972732	358.047	20.594686	58.274119	224.214	233.896073	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	45.962670	377.212	21.584624	58.736208	244.140	234.358162	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	46.973409	396.246	22.595363	59.310388	264.007	234.932342	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	48.001962	415.141	23.623917	59.972829	283.802	235.594783	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	49.045886	433.890	24.667840	60.705987	303.514	236.327941	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	50.103164	452.485	25.725118	61.496660	323.130	237.118614	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	50.900934	466.277	26.522888	62.118914	337.722	237.740868	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	51.172050	470.921	26.794004	62.334640	342.644	237.956594	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	52.243900	489.215	27.865854	63.201677	362.059	238.823631	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	53.298093	507.434	28.920047	64.064578	381.414	239.686532	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	54.315493	525.651	29.937447	64.894690	400.753	240.516644	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	55.022347	538.934	30.644301	65.464011	414.827	241.085965	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	55.022347	538.934	30.644301	65.464011	414.827	241.085965	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	195.824399	1956.400	371.446353	193.611781	1825.674	169.233735	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	196.056080	1937.698	371.678035	193.837190	1806.736	169.459144	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	196.292275	1919.021	371.914229	194.067372	1787.822	169.689326	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	196.533108	1900.371	372.155062	194.302474	1768.931	169.924428	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	196.778712	1881.749	372.400666	194.542647	1750.064	170.164601	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	197.029222	1863.156	372.651176	194.788052	1731.223	170.410006	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	197.284777	1844.592	372.906731	195.038853	1712.409	170.660807	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	197.545525	1826.059	373.167479	195.295223	1693.621	170.917177	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	197.811615	1807.556	373.433569	195.557340	1674.862	171.179294	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	198.083204	1789.086	373.705158	195.825391	1656.132	171.447345	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	198.360454	1770.649	373.982408	196.099569	1637.431	171.721523	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	198.643533	1752.247	374.265488	196.380076	1618.762	172.002030	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	198.932616	1733.880	374.554570	196.667124	1600.125	172.289078	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	199.227882	1715.549	374.849836	196.960930	1581.521	172.582884	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	199.529519	1697.256	375.151474	197.261725	1562.952	172.883679	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	199.837723	1679.002	375.459677	197.569746	1544.419	173.191700	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	200.152694	1660.788	375.774648	197.885242	1525.922	173.507196	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	200.474642	1642.616	376.096596	198.208472	1507.464	173.830426	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	200.803784	1624.486	376.425738	198.539707	1489.046	174.161661	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	201.140347	1606.402	376.762301	198.879229	1470.669	174.501183	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	201.484564	1588.363	377.106518	199.227334	1452.335	174.849288	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	201.836679	1570.371	377.458633	199.584329	1434.045	175.206283	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	202.196945	1552.429	377.818899	199.950536	1415.802	175.572490	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	202.565623	1534.537	378.187577	200.326290	1397.607	175.948244	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	202.942986	1516.698	378.564940	200.711944	1379.461	176.333898	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	203.329319	1498.914	378.951273	201.107863	1361.368	176.729818	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	203.394360	1495.966	379.016314	201.174629	1358.369	176.796583	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	203.724305	1481.179	379.346259	201.513750	1343.322	177.135704	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	204.123542	1463.438	379.745496	201.924710	1325.272	177.546664	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	204.520728	1445.615	380.142682	202.333686	1307.147	177.955640	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	204.909172	1427.639	380.531126	202.733154	1288.882	178.355108	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	205.037418	1421.508	380.659372	202.864795	1282.656	178.486749	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	205.282022	1409.448	380.903976	203.115371	1270.417	178.737325	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	205.635838	1391.025	381.257792	203.476410	1251.740	179.098364	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	205.969566	1372.383	381.591520	203.815012	1232.864	179.436966	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	206.194880	1358.953	381.816834	204.042250	1219.278	179.664204	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	206.282164	1353.537	381.904118	204.129922	1213.803	179.751876	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	206.575081	1334.518	382.197035	204.422679	1194.585	180.044633	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	206.854476	1315.382	382.476430	204.700143	1175.264	180.322097	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	207.127463	1296.182	382.749417	204.970288	1155.885	180.592242	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	207.370118	1279.153	382.992072	205.210445	1138.699	180.832399	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	207.401648	1276.965	383.023602	205.241695	1136.491	180.863650	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	207.683276	1257.767	383.305230	205.521464	1117.114	181.143418	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	207.973629	1238.594	383.595583	205.811103	1097.759	181.433057	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	208.273106	1219.448	383.895060	206.111133	1078.427	181.733087	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	208.582130	1200.330	384.204084	206.422108	1059.121	182.044062	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	208.901149	1181.241	384.523103	206.744623	1039.840	182.366577	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	209.230640	1162.182	384.852594	207.079316	1020.588	182.701270	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	209.571108	1143.156	385.193062	207.426868	1001.364	183.048822	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	209.923091	1124.163	385.545045	207.788015	982.172	183.409969	16.576

RECTA	920.000	389.453760	0.000	420615.068	4577057.159	210.287160	1105.206	385.909114	208.163544	963.012	183.785498	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	210.663923	1086.287	386.285877	208.554305	943.888	184.176259	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	211.054029	1067.407	386.675983	208.961212	924.800	184.583166	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	211.458168	1048.568	387.080122	209.385252	905.752	185.007206	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	211.877076	1029.773	387.499030	209.827490	886.745	185.449444	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	212.311541	1011.024	387.933495	210.289078	867.784	185.911032	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	212.762401	992.325	388.384355	210.771262	848.870	186.393216	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	213.230556	973.677	388.852510	211.275392	830.006	186.897346	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	213.716965	955.083	389.338920	211.802934	811.198	187.424888	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	214.222659	936.548	389.844613	212.355481	792.447	187.977435	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	214.748738	918.074	390.370692	212.934763	773.760	188.556717	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	214.793519	916.538	390.415473	212.984283	772.206	188.606237	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	215.295176	899.658	390.917130	213.541208	755.132	189.163162	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	215.855609	881.258	391.477563	214.167623	736.527	189.789577	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	216.421098	862.819	392.043052	214.803603	717.893	190.425557	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	216.981895	844.287	392.603849	215.437626	699.180	191.059581	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	217.527260	825.610	393.149214	216.056791	680.339	191.678745	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	217.845145	814.207	393.467099	216.418569	668.846	192.040523	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	218.045351	806.747	393.667305	216.646636	661.331	192.268590	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	218.527487	787.681	394.149441	217.196332	642.140	192.818286	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	218.970172	768.428	394.592126	217.701238	622.780	193.323192	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	219.369967	749.005	394.991921	218.156634	603.268	193.778589	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	219.723063	729.431	395.345017	218.557152	583.621	194.179106	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	220.025231	709.726	395.647185	218.896668	563.858	194.518622	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	220.271770	689.912	395.893724	219.168170	543.999	194.790124	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	220.457446	670.012	396.079400	219.363609	524.068	194.985563	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	220.533005	658.785	396.154959	219.436712	512.829	195.058666	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	220.576624	650.051	396.198578	219.473960	504.089	195.095914	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	220.629445	630.059	396.251399	219.497161	484.091	195.119115	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	220.623982	610.060	396.245936	219.441190	464.095	195.063144	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	220.569936	590.067	396.191890	219.316150	444.116	194.938104	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	220.478386	570.084	396.100340	219.134061	424.154	194.756015	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	220.362014	550.110	395.983968	218.909291	404.208	194.531245	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	220.351402	548.409	395.973356	218.888695	402.509	194.510649	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	220.233176	530.140	395.855130	218.656097	384.269	194.278051	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	220.094251	510.173	395.716205	218.375193	364.338	193.997147	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	219.944009	490.207	395.565963	218.061783	344.414	193.683737	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	219.781010	470.245	395.402964	217.709896	324.499	193.331850	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	219.603560	450.286	395.225514	217.312008	304.596	192.933962	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	219.409651	430.331	395.031605	216.858507	284.706	192.480461	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	219.196887	410.381	394.818841	216.336915	264.833	191.958869	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	218.962381	390.435	394.584335	215.730741	244.981	191.352695	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	218.702629	370.495	394.324583	215.017738	225.155	190.639692	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	218.413334	350.563	394.035288	214.167173	205.362	189.789127	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	218.089164	330.638	393.711118	213.135400	185.614	188.757354	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	217.723431	310.723	393.345385	211.858376	165.926	187.480330	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	217.307620	290.819	392.929575	210.238378	146.323	185.860332	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	216.830738	270.930	392.452692	208.119077	126.844	183.741031	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	216.278328	251.059	391.900282	205.235462	107.557	180.857416	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	215.631014	231.209	391.252968	201.104967	88.585	176.726921	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	214.862215	211.388	390.484169	194.769339	70.188	170.391293	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	213.934495	191.605	389.556449	184.141004	52.965	159.762958	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	212.793447	171.871	388.415401	164.560520	38.526	140.182474	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	211.356998	152.207	386.978952	129.995722	31.036	105.617676	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	209.495625	132.643	385.117579	91.789306	35.244	67.411260	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	206.993266	113.232	382.615220	68.084387	48.178	43.706341	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	203.697406	95.124	379.319360	55.934003	63.832	31.555957	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	203.463822	94.067	379.085776	55.405195	64.808	31.027149	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	198.111034	75.361	373.732989	48.113572	82.961	23.735526	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	189.050434	57.696	364.672388	43.663296	101.900	19.285250	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	172.130590	42.621	347.752544	40.926531	121.320	16.548486	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	147.638094	34.805	323.260048	39.544373	137.754	15.166327	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 1903.026 Dis= -30.888

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	141.626296	34.105	317.248250	39.347093	141.052	14.969047	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	105.855741	37.211	281.477695	38.594144	160.970	14.216098	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	82.782702	49.822	258.404656	38.408602	180.961	14.030556	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	72.299094	63.991	247.921048	38.568340	197.896	14.190295	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	70.966553	66.724	246.588507	38.621901	200.948	14.243855	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	64.834069	85.355	240.456023	39.111510	220.880	14.733464	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	61.801438	102.199	237.423392	39.673254	238.183	15.295208	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	61.466558	104.718	237.088512	39.763152	240.739	15.385106	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	59.546817	124.419	235.168771	40.504197	260.524	16.126151	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	58.484702	144.292	234.106657	41.310723	280.228	16.932677	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	57.972729	164.253	233.594683	42.169593	299.841	17.791547	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	57.833313	184.248	233.455267	43.070958	319.354	18.692912	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	57.957301	204.243	233.579255	44.007289	338.759	19.629243	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	58.274119	224.214	233.896073	44.972732	358.047	20.594686	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	58.736208	244.140	234.358162	45.962670	377.212	21.584624	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	59.310388	264.007	234.932342	46.973409	396.246	22.595363	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	59.972829	283.802	235.594783	48.001962	415.141	23.623917	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	60.705987	303.514	236.327941	49.045886	433.890	24.667840	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	61.496660	323.130	237.118614	50.103164	452.485	25.725118	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	62.118914	337.722	237.740868	50.900934	466.277	26.522888	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	62.334640	342.644	237.956594	51.172050	470.921	26.794004	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	63.201677	362.059	238.823631	52.243900	489.215	27.865854	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	64.064578	381.414	239.686532	53.298093	507.434	28.920047	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	64.894690	400.753	240.516644	54.315493	525.651	29.937447	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	65.464011	414.827	241.085965	55.022347	538.934	30.644301	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	65.464011	414.827	241.085965	55.022347	538.934	30.644301	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	195.824399	1956.400	184.036995	197.618582	2199.224	385.831178	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	196.056080	1937.698	184.268677	197.839759	2180.728	386.052355	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	196.292275	1919.021	184.504871	198.064716	2162.258	386.277312	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	196.533108	1900.371	184.745704	198.293547	2143.816	386.506143	15.314

RECTA	80.000	372.884810	0.000	420888.058	4576268.626	196.778712	1881.749	184.991308	198.526346	2125.402	386.738942	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	197.029222	1863.156	185.241818	198.763210	2107.017	386.975806	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	197.284777	1844.592	185.497374	199.004241	2088.662	387.216837	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	197.545525	1826.059	185.758121	199.249543	2070.337	387.462139	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	197.811615	1807.556	186.024211	199.499222	2052.044	387.711818	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	198.083204	1789.086	186.295800	199.753388	2033.783	387.965985	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	198.360454	1770.649	186.573051	200.012156	2015.554	388.224753	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	198.643533	1752.247	186.856130	200.275643	1997.360	388.488240	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	198.932616	1733.880	187.145212	200.543970	1979.200	388.756566	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	199.227882	1715.549	187.440478	200.817261	1961.076	389.029857	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	199.529519	1697.256	187.742116	201.095646	1942.989	389.308242	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	199.837723	1679.002	188.050319	201.379256	1924.940	389.591852	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	200.152694	1660.788	188.365290	201.668230	1906.930	389.880826	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	200.474642	1642.616	188.687238	201.962708	1888.960	390.175304	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	200.803784	1624.486	189.016381	202.262836	1871.031	390.475432	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	201.140347	1606.402	189.352943	202.568764	1853.144	390.781360	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	201.484564	1588.363	189.697160	202.880649	1835.301	391.093245	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	201.836679	1570.371	190.049275	203.198649	1817.503	391.411245	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	202.196945	1552.429	190.409541	203.522931	1799.751	391.735527	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	202.565623	1534.537	190.778219	203.853665	1782.047	392.066261	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	202.942986	1516.698	191.155583	204.191027	1764.392	392.403623	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	203.329319	1498.914	191.541915	204.535199	1746.788	392.747795	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	203.394360	1495.966	191.606956	204.593023	1743.869	392.805619	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	203.724305	1481.179	191.936901	204.885853	1729.227	393.098449	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	204.123542	1463.438	192.336138	205.239195	1711.654	393.451791	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	204.520728	1445.615	192.733324	205.589848	1693.990	393.802444	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	204.909172	1427.639	193.121768	205.932134	1676.161	394.144730	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	205.037418	1421.508	193.250014	206.045034	1670.076	394.257631	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	205.282022	1409.448	193.494618	206.260267	1658.102	394.472863	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	205.635838	1391.025	193.848435	206.571373	1639.798	394.783969	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	205.969566	1372.383	194.182162	206.864606	1621.263	395.077202	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	206.194880	1358.953	194.407477	207.062498	1607.900	395.275094	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	206.282164	1353.537	194.494760	207.139146	1602.510	395.351742	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	206.575081	1334.518	194.787677	207.396272	1583.574	395.608868	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	206.854476	1315.382	195.067072	207.641207	1564.513	395.853804	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	207.127463	1296.182	195.340059	207.879936	1545.382	396.092533	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	207.370118	1279.153	195.582714	208.091393	1528.411	396.303989	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	207.401648	1276.965	195.614244	208.118806	1526.231	396.331402	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	207.683276	1257.767	195.895873	208.362969	1507.095	396.575565	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	207.973629	1238.594	196.186225	208.613407	1487.982	396.826004	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	208.273106	1219.448	196.485702	208.870360	1468.893	397.082956	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	208.582130	1200.330	196.794726	209.134074	1449.829	397.346670	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	208.901149	1181.241	197.113745	209.404811	1430.790	397.617407	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	209.230640	1162.182	197.443236	209.682846	1411.777	397.895442	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	209.571108	1143.156	197.783704	209.968465	1392.793	398.181061	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	209.923091	1124.163	198.135687	210.261973	1373.837	398.474569	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	210.287160	1105.206	198.499756	210.563687	1354.911	398.776283	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	210.663923	1086.287	198.876519	210.873941	1336.016	399.086538	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	211.054029	1067.407	199.266625	211.193090	1317.154	399.405686	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	211.458168	1048.568	199.670764	211.521503	1298.326	399.734099	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	211.877076	1029.773	200.089672	211.859572	1279.534	0.072169	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	212.311541	1011.024	200.524137	212.207710	1260.779	0.420306	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	212.762401	992.325	200.974997	212.566350	1242.062	0.778947	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	213.230556	973.677	201.443152	212.935953	1223.387	1.148549	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	213.716965	955.083	201.929562	213.317001	1204.753	1.529597	19.076
RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	214.222659	936.548	202.435255	213.710007	1186.165	1.922603	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	214.748738	918.074	202.961334	214.115510	1167.623	2.328106	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	214.793519	916.538	203.006115	214.149872	1166.080	2.362468	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	215.295176	899.658	203.507772	214.533131	1149.122	2.745727	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	215.855609	881.258	204.068205	214.957500	1130.622	3.170096	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	216.421098	862.819	204.633694	215.381281	1112.067	3.593877	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	216.981895	844.287	205.194491	215.796593	1093.406	4.009189	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	217.527260	825.610	205.739856	216.194889	1074.592	4.407485	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	217.845145	814.207	206.057741	216.423993	1063.103	4.636589	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	218.045351	806.747	206.257947	216.566916	1055.587	4.779512	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	218.527487	787.681	206.740083	216.906027	1036.380	5.118623	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	218.970172	768.428	207.182768	217.209682	1016.990	5.422278	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	219.369967	749.005	207.582563	217.475481	997.438	5.688077	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	219.723063	729.431	207.935659	217.700841	977.747	5.913437	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	220.025231	709.726	208.237827	217.882993	957.941	6.095589	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	220.271770	689.912	208.484366	218.018960	938.045	6.231556	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	220.457446	670.012	208.670042	218.105552	918.087	6.318149	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	220.533005	658.785	208.745601	218.131295	906.839	6.343891	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	220.576624	650.051	208.789220	218.139493	898.094	6.352089	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	220.629445	630.059	208.842041	218.121891	878.096	6.334488	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	220.623982	610.060	208.836578	218.059584	858.115	6.272180	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	220.569936	590.067	208.782532	217.960412	838.159	6.173008	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	220.478386	570.084	208.690983	217.832967	818.228	6.045563	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	220.362014	550.110	208.574610	217.686673	798.314	5.899269	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	220.351402	548.409	208.563999	217.673661	796.618	5.886257	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	220.233176	530.140	208.445772	217.530385	778.408	5.742981	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	220.094251	510.173	208.306847	217.365894	758.507	5.578490	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	219.944009	490.207	208.156605	217.192539	738.611	5.405135	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	219.781010	470.245	207.993606	217.009589	718.721	5.222185	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	219.603560	450.286	207.816156	216.816225	698.837	5.028822	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	219.409651	430.331	207.622247	216.611538	678.960	4.824135	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	219.196887	410.381	207.409483	216.394508	659.091	4.607104	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	218.962381	390.435	207.174977	216.163988	639.229	4.376584	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	218.702629	370.495	206.915225	215.918687	619.377	4.131283	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	218.413334	350.563	206.625930	215.657144	599.534	3.869740	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	218.089164	330.638	206.301760	215.377702	579.702	3.590298	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	217.723431	310.723	205.936027	215.078469	559.882	3.291065	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	217.307620	290.819	205.520217	214.757280	540.075	2.969876	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	216.830738	270.930	205.043334	214.411645	520.284	2.624242	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	216.278328	251.059	204.490924	214.038687	500.508	2.251283	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	215.631014	231.209	203.843610	213.635060	480.752	1.847656	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	214.862215	211.388	203.074811	213.196856	461.016	1.409452	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	213.934495	191.605	202.147091	212.719481	441.304	0.932077	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	212.793447	171.871	201.006043	212.197498	421.619	0.410094	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	211.356998	152.207	199.569595	211.624429	401.965	399.837026	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	209.495625	132.643	197.708221	210.992499	382.348	399.205095	17.581

RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	206.993266	113.232	195.205862	210.292292	362.772	398.504888	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	203.697406	95.124	191.910003	209.558021	344.329	397.770617	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	203.463822	94.067	191.676419	209.512310	343.245	397.724906	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	198.111034	75.361	186.323631	208.627381	323.789	396.839978	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	189.050434	57.696	177.263030	207.566949	304.485	395.779545	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	172.130590	42.621	160.343186	206.234998	285.461	394.447594	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	147.638094	34.805	135.850690	204.832994	269.951	393.045590	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	141.626296	34.105	129.838892	204.514172	266.908	392.726768	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	105.855741	37.211	94.068337	202.282171	249.070	390.494767	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	82.782702	49.822	70.995299	199.443461	232.190	387.656057	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	72.299094	63.991	60.511690	196.493845	218.850	384.706441	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	70.966553	66.724	59.179149	195.903878	216.554	384.116475	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	64.834069	85.355	53.046665	191.586720	202.470	379.799316	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	61.801438	102.199	50.014034	187.169921	191.664	375.382517	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	61.466558	104.718	49.679154	186.464515	190.190	374.677111	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	59.546817	124.419	47.759413	180.544385	179.986	368.756981	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	58.484702	144.292	46.697299	173.877141	172.222	362.089737	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	57.972729	164.253	46.185325	166.606984	167.251	354.819581	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	57.833313	184.248	46.045909	158.981386	165.332	347.193983	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	57.957301	204.243	46.169897	151.319683	166.574	339.532279	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	58.274119	224.214	46.486715	143.948984	170.906	332.161580	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	58.736208	244.140	46.948804	137.136241	178.097	325.348837	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	59.310388	264.007	47.522984	131.048497	187.809	319.261093	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	59.972829	283.802	48.185425	125.751421	199.662	313.964017	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	60.705987	303.514	48.918583	121.233281	213.283	309.445877	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	61.496660	323.130	49.709256	117.435616	228.340	305.648212	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	62.118914	337.722	50.331510	115.020702	240.356	303.233298	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	62.334640	342.644	50.547236	114.278561	244.547	302.491158	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	63.201677	362.059	51.414273	111.664942	261.639	299.877538	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	64.064578	381.414	52.277174	109.480243	279.356	297.692839	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	64.894690	400.753	53.107286	107.622101	297.500	295.834697	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	65.464011	414.827	53.676607	106.426725	310.870	294.639321	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	65.464011	414.827	53.676607	106.426725	310.870	294.639321	8.400

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420921.111	4576195.773	197.618582	2199.224	385.831178	195.824399	1956.400	184.036995	13.580
RECTA	20.000	372.884810	0.000	420912.847	4576213.987	197.839759	2180.728	386.052355	196.056080	1937.698	184.268677	14.160
RECTA	40.000	372.884810	0.000	420904.584	4576232.200	198.064716	2162.258	386.277312	196.292275	1919.021	184.504871	14.740
RECTA	60.000	372.884810	0.000	420896.321	4576250.413	198.293547	2143.816	386.506143	196.533108	1900.371	184.745704	15.314
RECTA	80.000	372.884810	0.000	420888.058	4576268.626	198.526346	2125.402	386.738942	196.778712	1881.749	184.991308	15.720
RECTA	100.000	372.884810	0.000	420879.794	4576286.839	198.763210	2107.017	386.975806	197.029222	1863.156	185.241818	15.890
RECTA	120.000	372.884810	0.000	420871.531	4576305.052	199.004241	2088.662	387.216837	197.284777	1844.592	185.497374	15.823
RECTA	140.000	372.884810	0.000	420863.268	4576323.265	199.249543	2070.337	387.462139	197.545525	1826.059	185.758121	15.520
RECTA	160.000	372.884810	0.000	420855.005	4576341.479	199.499222	2052.044	387.711818	197.811615	1807.556	186.024211	14.980
RECTA	180.000	372.884810	0.000	420846.741	4576359.692	199.753388	2033.783	387.965985	198.083204	1789.086	186.295800	14.231
RECTA	200.000	372.884810	0.000	420838.478	4576377.905	200.012156	2015.554	388.224753	198.360454	1770.649	186.573051	13.451
RECTA	220.000	372.884810	0.000	420830.215	4576396.118	200.275643	1997.360	388.488240	198.643533	1752.247	186.856130	12.671
RECTA	240.000	372.884810	0.000	420821.952	4576414.331	200.543970	1979.200	388.756566	198.932616	1733.880	187.145212	11.891
RECTA	260.000	372.884810	0.000	420813.688	4576432.544	200.817261	1961.076	389.029857	199.227882	1715.549	187.440478	11.111
RECTA	280.000	372.884810	0.000	420805.425	4576450.757	201.095646	1942.989	389.308242	199.529519	1697.256	187.742116	10.384
RECTA	300.000	372.884810	0.000	420797.162	4576468.971	201.379256	1924.940	389.591852	199.837723	1679.002	188.050319	10.006
RECTA	320.000	372.884810	0.000	420788.899	4576487.184	201.668230	1906.930	389.880826	200.152694	1660.788	188.365290	10.021
RECTA	340.000	372.884810	0.000	420780.635	4576505.397	201.962708	1888.960	390.175304	200.474642	1642.616	188.687238	10.430
RECTA	360.000	372.884810	0.000	420772.372	4576523.610	202.262836	1871.031	390.475432	200.803784	1624.486	189.016381	11.219
RECTA	380.000	372.884810	0.000	420764.109	4576541.823	202.568764	1853.144	390.781360	201.140347	1606.402	189.352943	12.119
RECTA	400.000	372.884810	0.000	420755.846	4576560.036	202.880649	1835.301	391.093245	201.484564	1588.363	189.697160	13.019
RECTA	420.000	372.884810	0.000	420747.582	4576578.249	203.198649	1817.503	391.411245	201.836679	1570.371	190.049275	13.910
RECTA	440.000	372.884810	0.000	420739.319	4576596.463	203.522931	1799.751	391.735527	202.196945	1552.429	190.409541	14.556
RECTA	460.000	372.884810	0.000	420731.056	4576614.676	203.853665	1782.047	392.066261	202.565623	1534.537	190.778219	14.855
RECTA	480.000	372.884810	0.000	420722.793	4576632.889	204.191027	1764.392	392.403623	202.942986	1516.698	191.155583	14.807
RECTA	500.000	372.884810	0.000	420714.529	4576651.102	204.535199	1746.788	392.747795	203.329319	1498.914	191.541915	14.411
CLOT.	503.321	372.884810	0.000	420713.157	4576654.126	204.593023	1743.869	392.805619	203.394360	1495.966	191.606956	14.312
CLOT.	520.000	373.067762	0.000	420706.281	4576669.322	204.885853	1729.227	393.098449	203.724305	1481.179	191.936901	13.668

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	540.000	373.769593	0.000	420698.158	4576687.598	205.239195	1711.654	393.451791	204.123542	1463.438	192.336138	12.750
CLOT.	560.000	374.997555	0.000	420690.313	4576705.995	205.589848	1693.990	393.802444	204.520728	1445.615	192.733324	11.941
CLOT.	580.000	376.751650	0.000	420682.901	4576724.570	205.932134	1676.161	394.144730	204.909172	1427.639	193.121768	11.300
CIRC.	586.769	377.464536	0.000	420680.519	4576730.906	206.045034	1670.076	394.257631	205.037418	1421.508	193.250014	11.122
CIRC.	600.000	378.916753	0.000	420676.075	4576743.368	206.260267	1658.102	394.472863	205.282022	1409.448	193.494618	10.829
CIRC.	620.000	381.111994	0.000	420669.899	4576762.389	206.571373	1639.798	394.783969	205.635838	1391.025	193.848435	10.526
CIRC.	640.000	383.307234	0.000	420664.382	4576781.613	206.864606	1621.263	395.077202	205.969566	1372.383	194.182162	10.393
CLOT.	654.275	384.874033	0.000	420660.852	4576795.443	207.062498	1607.900	395.275094	206.194880	1358.953	194.407477	10.401
CLOT.	660.000	385.480916	0.000	420659.532	4576801.014	207.139146	1602.510	395.351742	206.282164	1353.537	194.494760	10.428
CLOT.	680.000	387.262472	0.000	420655.296	4576820.560	207.396272	1583.574	395.608868	206.575081	1334.518	194.787677	10.633
CLOT.	700.000	388.517897	0.000	420651.528	4576840.202	207.641207	1564.513	395.853804	206.854476	1315.382	195.067072	11.006
CLOT.	720.000	389.247189	0.000	420648.067	4576859.900	207.879936	1545.382	396.092533	207.127463	1296.182	195.340059	11.536
RECTA	737.723	389.453760	0.000	420645.126	4576877.377	208.091393	1528.411	396.303989	207.370118	1279.153	195.582714	12.032
RECTA	740.000	389.453760	0.000	420644.750	4576879.623	208.118806	1526.231	396.331402	207.401648	1276.965	195.614244	12.096
RECTA	760.000	389.453760	0.000	420641.452	4576899.349	208.362969	1507.095	396.575565	207.683276	1257.767	195.895873	12.656
RECTA	780.000	389.453760	0.000	420638.154	4576919.075	208.613407	1487.982	396.826004	207.973629	1238.594	196.186225	13.216
RECTA	800.000	389.453760	0.000	420634.856	4576938.801	208.870360	1468.893	397.082956	208.273106	1219.448	196.485702	13.776
RECTA	820.000	389.453760	0.000	420631.558	4576958.528	209.134074	1449.829	397.346670	208.582130	1200.330	196.794726	14.336
RECTA	840.000	389.453760	0.000	420628.260	4576978.254	209.404811	1430.790	397.617407	208.901149	1181.241	197.113745	14.896
RECTA	860.000	389.453760	0.000	420624.962	4576997.980	209.682846	1411.777	397.895442	209.230640	1162.182	197.443236	15.456
RECTA	880.000	389.453760	0.000	420621.664	4577017.706	209.968465	1392.793	398.181061	209.571108	1143.156	197.783704	16.016
RECTA	900.000	389.453760	0.000	420618.366	4577037.432	210.261973	1373.837	398.474569	209.923091	1124.163	198.135687	16.576
RECTA	920.000	389.453760	0.000	420615.068	4577057.159	210.563687	1354.911	398.776283	210.287160	1105.206	198.499756	17.136
RECTA	940.000	389.453760	0.000	420611.769	4577076.885	210.873941	1336.016	399.086538	210.663923	1086.287	198.876519	17.680
RECTA	960.000	389.453760	0.000	420608.471	4577096.611	211.193090	1317.154	399.405686	211.054029	1067.407	199.266625	18.122
RECTA	980.000	389.453760	0.000	420605.173	4577116.337	211.521503	1298.326	399.734099	211.458168	1048.568	199.670764	18.450
RECTA	1000.000	389.453760	0.000	420601.875	4577136.063	211.859572	1279.534	0.072169	211.877076	1029.773	200.089672	18.662
RECTA	1020.000	389.453760	0.000	420598.577	4577155.790	212.207710	1260.779	0.420306	212.311541	1011.024	200.524137	18.776

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1040.000	389.453760	0.000	420595.279	4577175.516	212.566350	1242.062	0.778947	212.762401	992.325	200.974997	18.876
RECTA	1060.000	389.453760	0.000	420591.981	4577195.242	212.935953	1223.387	1.148549	213.230556	973.677	201.443152	18.976
RECTA	1080.000	389.453760	0.000	420588.683	4577214.968	213.317001	1204.753	1.529597	213.716965	955.083	201.929562	19.076

RECTA	1100.000	389.453760	0.000	420585.385	4577234.694	213.710007	1186.165	1.922603	214.222659	936.548	202.435255	19.173
RECTA	1120.000	389.453760	0.000	420582.087	4577254.421	214.115510	1167.623	2.328106	214.748738	918.074	202.961334	19.252
CLOT.	1121.666	389.453760	0.000	420581.812	4577256.064	214.149872	1166.080	2.362468	214.793519	916.538	203.006115	19.257
CLOT.	1140.000	389.647502	0.000	420578.807	4577274.150	214.533131	1149.122	2.745727	215.295176	899.658	203.507772	19.307
CLOT.	1160.000	390.300755	0.000	420575.659	4577293.900	214.957500	1130.622	3.170096	215.855609	881.258	204.068205	19.338
CLOT.	1180.000	391.415118	0.000	420572.784	4577313.692	215.381281	1112.067	3.593877	216.421098	862.819	204.633694	19.347
CLOT.	1200.000	392.990591	0.000	420570.329	4577333.541	215.796593	1093.406	4.009189	216.981895	844.287	205.194491	19.332
CLOT.	1220.000	395.027173	0.000	420568.438	4577353.450	216.194889	1074.592	4.407485	217.527260	825.610	205.739856	19.294
CIRC.	1232.116	396.485225	0.000	420567.628	4577365.539	216.423993	1063.103	4.636589	217.845145	814.207	206.057741	19.259
CIRC.	1240.000	397.489039	0.000	420567.255	4577373.414	216.566916	1055.587	4.779512	218.045351	806.747	206.257947	19.232
CIRC.	1260.000	0.035518	0.000	420566.866	4577393.409	216.906027	1036.380	5.118623	218.527487	787.681	206.740083	19.148
CIRC.	1280.000	2.581997	0.000	420567.277	4577413.403	217.209682	1016.990	5.422278	218.970172	768.428	207.182768	19.040
CIRC.	1300.000	5.128476	0.000	420568.488	4577433.365	217.475481	997.438	5.688077	219.369967	749.005	207.582563	18.909
CIRC.	1320.000	7.674955	0.000	420570.495	4577453.263	217.700841	977.747	5.913437	219.723063	729.431	207.935659	18.754
CIRC.	1340.000	10.221435	0.000	420573.297	4577473.064	217.882993	957.941	6.095589	220.025231	709.726	208.237827	18.577
CIRC.	1360.000	12.767914	0.000	420576.888	4577492.738	218.018960	938.045	6.231556	220.271770	689.912	208.484366	18.376
CIRC.	1380.000	15.314393	0.000	420581.264	4577512.252	218.105552	918.087	6.318149	220.457446	670.012	208.670042	18.157
CLOT.	1391.254	16.747332	0.000	420584.068	4577523.151	218.131295	906.839	6.343891	220.533005	658.785	208.745601	18.033
CLOT.	1400.000	17.816785	0.000	420586.414	4577531.576	218.139493	898.094	6.352089	220.576624	650.051	208.789220	17.937
CLOT.	1420.000	19.931073	0.000	420592.268	4577550.699	218.121891	878.096	6.334488	220.629445	630.059	208.842041	17.717
CLOT.	1440.000	21.584250	0.000	420598.685	4577569.641	218.059584	858.115	6.272180	220.623982	610.060	208.836578	17.497
CLOT.	1460.000	22.776318	0.000	420605.525	4577588.435	217.960412	838.159	6.173008	220.569936	590.067	208.782532	17.277
CLOT.	1480.000	23.507275	0.000	420612.647	4577607.124	217.832967	818.228	6.045563	220.478386	570.084	208.690983	17.057
CLOT.	1500.000	23.777123	0.000	420619.916	4577625.756	217.686673	798.314	5.899269	220.362014	550.110	208.574610	16.837
RECTA	1501.704	23.778797	0.000	420620.538	4577627.343	217.673661	796.618	5.886257	220.351402	548.409	208.563999	16.819

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1520.000	23.778797	0.000	420627.214	4577644.377	217.530385	778.408	5.742981	220.233176	530.140	208.445772	16.650
RECTA	1540.000	23.778797	0.000	420634.512	4577662.998	217.365894	758.507	5.578490	220.094251	510.173	208.306847	16.519
RECTA	1560.000	23.778797	0.000	420641.810	4577681.619	217.192539	738.611	5.405135	219.944009	490.207	208.156605	16.442
RECTA	1580.000	23.778797	0.000	420649.108	4577700.240	217.009589	718.721	5.222185	219.781010	470.245	207.993606	16.420
RECTA	1600.000	23.778797	0.000	420656.405	4577718.861	216.816225	698.837	5.028822	219.603560	450.286	207.816156	16.420
RECTA	1620.000	23.778797	0.000	420663.703	4577737.482	216.611538	678.960	4.824135	219.409651	430.331	207.622247	16.420
RECTA	1640.000	23.778797	0.000	420671.001	4577756.103	216.394508	659.091	4.607104	219.196887	410.381	207.409483	16.420
RECTA	1660.000	23.778797	0.000	420678.299	4577774.724	216.163988	639.229	4.376584	218.962381	390.435	207.174977	16.420
RECTA	1680.000	23.778797	0.000	420685.597	4577793.345	215.918687	619.377	4.131283	218.702629	370.495	206.915225	16.420
RECTA	1700.000	23.778797	0.000	420692.895	4577811.966	215.657144	599.534	3.869740	218.413334	350.563	206.625930	16.420
RECTA	1720.000	23.778797	0.000	420700.192	4577830.587	215.377702	579.702	3.590298	218.089164	330.638	206.301760	16.420
RECTA	1740.000	23.778797	0.000	420707.490	4577849.208	215.078469	559.882	3.291065	217.723431	310.723	205.936027	16.420
RECTA	1760.000	23.778797	0.000	420714.788	4577867.829	214.757280	540.075	2.969876	217.307620	290.819	205.520217	16.420
RECTA	1780.000	23.778797	0.000	420722.086	4577886.450	214.411645	520.284	2.624242	216.830738	270.930	205.043334	16.420
RECTA	1800.000	23.778797	0.000	420729.384	4577905.071	214.038687	500.508	2.251283	216.278328	251.059	204.490924	16.420
RECTA	1820.000	23.778797	0.000	420736.682	4577923.692	213.635060	480.752	1.847656	215.631014	231.209	203.843610	16.422
RECTA	1840.000	23.778797	0.000	420743.979	4577942.313	213.196856	461.016	1.409452	214.862215	211.388	203.074811	16.487
RECTA	1860.000	23.778797	0.000	420751.277	4577960.934	212.719481	441.304	0.932077	213.934495	191.605	202.147091	16.643
RECTA	1880.000	23.778797	0.000	420758.575	4577979.555	212.197498	421.619	0.410094	212.793447	171.871	201.006043	16.888
RECTA	1900.000	23.778797	0.000	420765.873	4577998.176	211.624429	401.965	399.837026	211.356998	152.207	199.569595	17.221
RECTA	1920.000	23.778797	0.000	420773.171	4578016.797	210.992499	382.348	399.205095	209.495625	132.643	197.708221	17.581
RECTA	1940.000	23.778797	0.000	420780.469	4578035.418	210.292292	362.772	398.504888	206.993266	113.232	195.205862	17.941
CLOT.	1958.887	23.778797	0.000	420787.360	4578053.003	209.558021	344.329	397.770617	203.697406	95.124	191.910003	18.281
CLOT.	1960.000	23.780244	0.000	420787.766	4578054.039	209.512310	343.245	397.724906	203.463822	94.067	191.676419	18.301
CLOT.	1980.000	24.299946	0.000	420795.118	4578072.639	208.627381	323.789	396.839978	198.111034	75.361	186.323631	18.661
CLOT.	2000.000	25.754994	0.000	420802.757	4578091.122	207.566949	304.485	395.779545	189.050434	57.696	177.263030	18.996
CLOT.	2020.000	28.145388	0.000	420810.950	4578109.366	206.234998	285.461	394.447594	172.130590	42.621	160.343186	19.225
CIRC.	2036.673	30.853072	0.000	420818.389	4578124.286	204.832994	269.951	393.045590	147.638094	34.805	135.850690	19.332

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 0 : TRONCO B25
EJE : 1 : TRONCO B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 2222.151 Dis=-165.314
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 2044.948 Dis= -33.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2040.000	31.458187	0.000	420819.953	4578127.222	204.514172	266.908	392.726768	141.626296	34.105	129.838892	19.344
CIRC.	2060.000	35.096014	0.000	420829.936	4578144.549	202.282171	249.070	390.494767	105.855741	37.211	94.068337	19.352
CIRC.	2080.000	38.733842	0.000	420840.893	4578161.278	199.443461	232.190	387.656057	82.782702	49.822	70.995299	19.248
CLOT.	2096.943	41.815702	0.000	420850.910	4578174.941	196.493845	218.850	384.706441	72.299094	63.991	60.511690	19.073
CLOT.	2100.000	42.364592	0.000	420852.787	4578177.353	195.903878	216.554	384.116475	70.966553	66.724	59.179149	19.033
CLOT.	2120.000	45.606842	0.000	420865.543	4578192.754	191.586720	202.470	379.799316	64.834069	85.355	53.046665	18.707
CIRC.	2137.422	47.937351	0.000	420877.229	4578205.674	187.169921	191.664	375.382517	61.801438	102.199	50.014034	18.333
CIRC.	2140.000	48.248181	0.000	420878.996	4578207.551	186.464515	190.190	374.677111	61.466558	104.718	49.679154	18.270
CIRC.	2160.000	50.659619	0.000	420893.016	4578221.813	180.544385	179.986	368.756981	59.546817	124.419	47.759413	17.722
CIRC.	2180.000	53.071058	0.000	420907.565	4578235.534	173.877141	172.222	362.089737	58.484702	144.292	46.697299	17.076
CIRC.	2200.000	55.482496	0.000	420922.624	4578248.694	166.606984	167.251	354.819581	57.972729	164.253	46.185325	16.416
CIRC.	2220.000	57.893935	0.000	420938.170	4578261.275	158.981386	165.332	347.193983	57.833313	184.248	46.045909	15.756
CIRC.	2240.000	60.305374	0.000	420954.182	4578273.257	151.319683	166.574	339.532279	57.957301	204.243	46.169897	15.096
CIRC.	2260.000	62.716812	0.000	420970.636	4578284.625	143.948984	170.906	332.161580	58.274119	224.214	46.486715	14.455
CIRC.	2280.000	65.128251	0.000	420987.508	4578295.361	137.136241	178.097	325.348837	58.736208	244.140	46.948804	13.832
CIRC.	2300.000	67.539689	0.000	421004.775	4578305.451	131.048497	187.809	319.261093	59.310388	264.007	47.522984	13.210
CIRC.	2320.000	69.951128	0.000	421022.412	4578314.880	125.751421	199.662	313.964017	59.972829	283.802	48.185425	12.587
CIRC.	2340.000	72.362566	0.000	421040.393	4578323.634	121.233281	213.283	309.445877	60.705987	303.514	48.918583	11.965
CIRC.	2360.000	74.774005	0.000	421058.693	4578331.701	117.435616	228.340	305.648212	61.496660	323.130	49.709256	11.342
CLOT.	2374.945	76.575993	0.000	421072.560	4578337.273	115.020702	240.356	303.233298	62.118914	337.722	50.331510	10.877
CLOT.	2380.000	77.166091	0.000	421077.284	4578339.069	114.278561	244.547	302.491158	62.334640	342.644	50.547236	10.720
CLOT.	2400.000	79.121416	0.000	421096.122	4578345.786	111.664942	261.639	299.877538	63.201677	362.059	51.414273	10.097
CLOT.	2420.000	80.470796	0.000	421115.128	4578352.012	109.480243	279.356	297.692839	64.064578	381.414	52.277174	9.475
CLOT.	2440.000	81.214233	0.000	421134.234	4578357.925	107.622101	297.500	295.834697	64.894690	400.753	53.107286	8.852
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	106.426725	310.870	294.639321	65.464011	414.827	53.676607	8.400
RECTA	2454.538	81.374322	0.000	421148.150	4578362.130	106.426725	310.870	294.639321	65.464011	414.827	53.676607	8.400

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GRUPO 1
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 6 : Glorieta Eliptica Nudo Sant Boi-Cornellá

==========
* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 270.323 Dis= 7.874
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 183.472 Dis= 122.419

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	322.596071	0.000	420614.928	4577288.764	4.015332	168.899	106.134334	52.431892	256.745	354.550894	11.939
CIRC.	20.000	303.157299	0.000	420595.412	4577292.766	396.730449	172.793	98.849452	48.231310	245.682	350.350313	12.034
CIRC.	40.000	283.718528	0.000	420575.595	4577290.716	389.389043	172.912	91.508046	44.649193	230.941	346.768195	12.102
CIRC.	60.000	264.279756	0.000	420557.311	4577282.804	382.097424	169.251	84.216426	42.002985	213.282	344.121988	12.139
CIRC.	80.000	244.840984	0.000	420542.252	4577269.761	374.970802	161.914	77.089804	40.720275	193.786	342.839277	12.148
CLOT.	85.516	239.479480	0.000	420538.861	4577265.412	373.052542	159.268	75.171544	40.678101	188.272	342.797103	12.145
CLOT.	100.000	227.257054	0.000	420531.684	4577252.857	368.121941	151.222	70.240943	41.310122	173.923	343.429124	12.126
CIRC.	100.699	226.760933	0.000	420531.396	4577252.220	367.886239	150.802	70.005241	41.367353	173.242	343.486356	12.125
CIRC.	120.000	213.183787	0.000	420525.451	4577233.896	361.404916	138.350	63.523918	43.974295	155.185	346.093297	12.075
CIRC.	140.000	199.114841	0.000	420523.526	4577214.030	354.758228	123.795	56.877230	49.093694	139.096	351.212696	11.995
CIRC.	160.000	185.045896	0.000	420526.003	4577194.225	348.221733	107.736	50.340735	56.887593	127.574	359.006595	11.895
CIRC.	180.000	170.976951	0.000	420532.761	4577175.444	341.869417	90.372	43.988419	66.730881	122.534	368.849883	11.795
CIRC.	200.000	156.908006	0.000	420543.471	4577158.602	335.856826	71.921	37.975828	76.929177	125.009	379.048179	11.695
CIRC.	220.000	142.839060	0.000	420557.612	4577144.516	330.577381	52.624	32.696384	85.564152	134.473	387.683154	11.595
CLOT.	226.951	137.949553	0.000	420563.208	4577140.397	329.092690	45.770	31.211692	87.977587	139.100	390.096589	11.560
CLOT.	240.000	127.264491	0.000	420574.544	4577133.964	327.595703	32.768	29.714705	91.581810	149.267	393.700812	11.495
CIRC.	242.134	125.231007	0.000	420576.499	4577133.109	327.689104	30.635	29.808106	92.047555	151.095	394.166557	11.484
CIRC.	260.000	107.865970	0.000	420593.712	4577128.531	342.490777	13.458	44.609779	94.586096	167.737	396.705098	11.397
CIRC.	280.000	88.427198	0.000	420613.626	4577129.111	51.511270	12.911	153.630273	94.963948	187.632	397.082950	11.322
CIRC.	300.000	68.988426	0.000	420632.444	4577135.651	68.056149	32.122	170.175151	93.415964	206.969	395.534967	11.277

CIRC.	320.000	49.549655	0.000	420648.426	4577147.545	64.694014	51.927	166.813016	90.525704	224.325	392.644706	11.261
CLOT.	330.361	39.479698	0.000	420655.088	4577155.466	61.371752	61.846	163.490754	88.648418	232.188	390.767420	11.265
CLOT.	340.000	30.932443	0.000	420660.129	4577163.674	57.891257	70.773	160.010259	86.732546	238.714	388.851549	11.276
CIRC.	345.544	26.761151	0.000	420662.552	4577168.659	55.836726	75.786	157.955728	85.582103	242.155	387.701105	11.285
CIRC.	360.000	16.591780	0.000	420667.375	4577182.271	50.520442	88.506	152.639444	82.481445	250.208	384.600448	11.319
CIRC.	380.000	2.522834	0.000	420670.360	4577202.006	43.255281	105.158	145.374283	78.010257	259.082	380.129259	11.393
CIRC.	400.000	388.453889	0.000	420668.947	4577221.915	36.051410	120.529	138.170412	73.394183	265.190	375.513186	11.490
CIRC.	420.000	374.384944	0.000	420663.204	4577241.030	28.884425	134.430	131.003427	68.693845	268.430	370.812847	11.590

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 6 : Glorieta Eliptica Nudo Sant Boi-Cornellá

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 270.323 Dis= 7.874
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 183.472 Dis= 122.419

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	440.000	360.315999	0.000	420653.410	4577258.421	21.741074	146.692	123.860076	63.962562	268.751	366.081564	11.690
CIRC.	460.000	346.247053	0.000	420640.043	4577273.243	14.613473	157.165	116.732475	59.251051	266.147	361.370053	11.790
CLOT.	471.793	337.951428	0.000	420630.743	4577280.481	10.416009	162.449	112.535011	56.503208	263.255	358.622210	11.849
CLOT.	480.000	331.582534	0.000	420623.739	4577284.752	7.492669	165.698	109.611671	54.613728	260.635	356.732730	11.890
CIRC.	486.976	325.232882	0.000	420617.452	4577287.769	4.993302	168.084	107.112305	53.035559	257.932	355.154561	11.925
CIRC.	489.689	322.595523	0.000	420614.928	4577288.764	4.015391	168.899	106.134394	52.431934	256.745	354.550936	11.939

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 6 : Glorieta Eliptica Nudo Sant Boi-Cornellá

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 270.323 Dis= 7.874
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 300.354 Dis= 141.273

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	322.596071	0.000	420614.928	4577288.764	4.015332	168.899	249.784425	381.150324	290.049	26.919418	11.939
CIRC.	20.000	303.157299	0.000	420595.412	4577292.766	396.730449	172.793	242.499543	377.435780	300.082	23.204874	12.034
CIRC.	40.000	283.718528	0.000	420575.595	4577290.716	389.389043	172.912	235.158137	373.413947	305.647	19.183041	12.102
CIRC.	60.000	264.279756	0.000	420557.311	4577282.804	382.097424	169.251	227.866518	369.272899	306.478	15.041993	12.139
CIRC.	80.000	244.840984	0.000	420542.252	4577269.761	374.970802	161.914	220.739896	365.189341	302.537	10.958435	12.148
CLOT.	85.516	239.479480	0.000	420538.861	4577265.412	373.052542	159.268	218.821636	364.097066	300.630	9.866160	12.145
CLOT.	100.000	227.257054	0.000	420531.684	4577252.857	368.121941	151.222	213.891035	361.330862	294.133	7.099955	12.126
CIRC.	100.699	226.760933	0.000	420531.396	4577252.220	367.886239	150.802	213.655333	361.200849	293.774	6.969943	12.125
CIRC.	120.000	213.183787	0.000	420525.451	4577233.896	361.404916	138.350	207.174010	357.737746	282.570	3.506840	12.075
CIRC.	140.000	199.114841	0.000	420523.526	4577214.030	354.758228	123.795	200.527321	354.474067	268.462	0.243161	11.995
CIRC.	160.000	185.045896	0.000	420526.003	4577194.225	348.221733	107.736	193.990827	351.666278	252.130	397.435372	11.895
CIRC.	180.000	170.976951	0.000	420532.761	4577175.444	341.869417	90.372	187.638511	349.482236	233.993	395.251330	11.795
CIRC.	200.000	156.908006	0.000	420543.471	4577158.602	335.856826	71.921	181.625919	348.148729	214.594	393.917823	11.695
CIRC.	220.000	142.839060	0.000	420557.612	4577144.516	330.577381	52.624	176.346475	347.971883	194.642	393.740977	11.595
CLOT.	226.951	137.949553	0.000	420563.208	4577140.397	329.092690	45.770	174.861784	348.251694	187.744	394.020788	11.560
CLOT.	240.000	127.264491	0.000	420574.544	4577133.964	327.595703	32.768	173.364797	349.386360	175.117	395.155454	11.495
CIRC.	242.134	125.231007	0.000	420576.499	4577133.109	327.689104	30.635	173.458198	349.665197	173.125	395.434291	11.484
CIRC.	260.000	107.865970	0.000	420593.712	4577128.531	342.490777	13.458	188.259871	353.235998	157.918	399.005092	11.397
CIRC.	280.000	88.427198	0.000	420613.626	4577129.111	51.511270	12.911	297.280364	359.870986	145.792	5.640080	11.322
CIRC.	300.000	68.988426	0.000	420632.444	4577135.651	68.056149	32.122	313.825242	368.484689	141.274	14.253783	11.277
CIRC.	320.000	49.549655	0.000	420648.426	4577147.545	64.694014	51.927	310.463108	377.137573	145.490	22.906667	11.261
CLOT.	330.361	39.479698	0.000	420655.088	4577155.466	61.371752	61.846	307.140845	380.947073	150.834	26.716167	11.265
CLOT.	340.000	30.932443	0.000	420660.129	4577163.674	57.891257	70.773	303.660351	383.876113	157.357	29.645207	11.276
CIRC.	345.544	26.761151	0.000	420662.552	4577168.659	55.836726	75.786	301.605819	385.292195	161.616	31.061289	11.285
CIRC.	360.000	16.591780	0.000	420667.375	4577182.271	50.520442	88.506	296.289536	388.152171	173.937	33.921264	11.319
CIRC.	380.000	2.522834	0.000	420670.360	4577202.006	43.255281	105.158	289.024375	390.325981	192.891	36.095075	11.393
CIRC.	400.000	388.453889	0.000	420668.947	4577221.915	36.051410	120.529	281.820504	390.809675	212.791	36.578768	11.490
CIRC.	420.000	374.384944	0.000	420663.204	4577241.030	28.884425	134.430	274.653519	390.006632	232.552	35.775726	11.590

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 6 : Glorieta Eliptica Nudo Sant Boi-Cornellá

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 270.323 Dis= 7.874
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 300.354 Dis= 141.273

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	440.000	360.315999	0.000	420653.410	4577258.421	21.741074	146.692	267.510168	388.245103	251.357	34.014196	11.690
CIRC.	460.000	346.247053	0.000	420640.043	4577273.243	14.613473	157.165	260.382567	385.774885	268.583	31.543979	11.790
CLOT.	471.793	337.951428	0.000	420630.743	4577280.481	10.416009	162.449	256.185103	384.063897	277.802	29.832991	11.849
CLOT.	480.000	331.582534	0.000	420623.739	4577284.752	7.492669	165.698	253.261763	382.778747	283.733	28.547841	11.890
CIRC.	486.976	325.232882	0.000	420617.452	4577287.769	4.993302	168.084	250.762396	381.619225	288.368	27.388319	11.925
CIRC.	489.689	322.595523	0.000	420614.928	4577288.764	4.015391	168.899	249.784485	381.150350	290.049	26.919444	11.939

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 6 : Glorieta Eliptica Nudo Sant Boi-Cornellá

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 270.323 Dis= 7.874
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 183.472 Dis= 122.419

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	322.596071	0.000	420614.928	4577288.764	4.015332	168.899	106.134334	52.431892	256.745	354.550894	11.939
CIRC.	20.000	303.157299	0.000	420595.412	4577292.766	396.730449	172.793	98.849452	48.231310	245.682	350.350313	12.034
CIRC.	40.000	283.718528	0.000	420575.595	4577290.716	389.389043	172.912	91.508046	44.649193	230.941	346.768195	12.102
CIRC.	60.000	264.279756	0.000	420557.311	4577282.804	382.097424	169.251	84.216426	42.002985	213.282	344.121988	12.139
CIRC.	80.000	244.840984	0.000	420542.252	4577269.761	374.970802	161.914	77.089804	40.720275	193.786	342.839277	12.148
CLOT.	85.516	239.479480	0.000	420538.861	4577265.412	373.052542	159.268	75.171544	40.678101	188.272	342.797103	12.145
CLOT.	100.000	227.257054	0.000	420531.684	4577252.857	368.121941	151.222	70.240943	41.310122	173.923	343.429124	12.126
CIRC.	100.699	226.760933	0.000	420531.396	4577252.220	367.886239	150.802	70.005241	41.367353	173.242	343.486356	12.125
CIRC.	120.000	213.183787	0.000	420525.451	4577233.896	361.404916	138.350	63.523918	43.974295	155.185	346.093297	12.075
CIRC.	140.000	199.114841	0.000	420523.526	4577214.030	354.758228	123.795	56.877230	49.093694	139.096	351.212696	11.995
CIRC.	160.000	185.045896	0.000	420526.003	4577194.225	348.221733	107.736	50.340735	56.887593	127.574	359.006595	11.895
CIRC.	180.000	170.976951	0.000	420532.761	4577175.444	341.869417	90.372	43.988419	66.730881	122.534	368.849883	11.795
CIRC.	200.000	156.908006	0.000	420543.471	4577158.602	335.856826	71.921	37.975828	76.929177	125.009	379.048179	11.695
CIRC.	220.000	142.839060	0.000	420557.612	4577144.516	330.577381	52.624	32.696384	85.564152	134.473	387.683154	11.595
CLOT.	226.951	137.949553	0.000	420563.208	4577140.397	329.092690	45.770	31.211692	87.977587	139.100	390.096589	11.560
CLOT.	240.000	127.264491	0.000	420574.544	4577133.964	327.595703	32.768	29.714705	91.581810	149.267	393.700812	11.495
CIRC.	242.134	125.231007	0.000	420576.499	4577133.109	327.689104	30.635	29.808106	92.047555	151.095	394.166557	11.484
CIRC.	260.000	107.865970	0.000	420593.712	4577128.531	342.490777	13.458	44.609779	94.586096	167.737	396.705098	11.397
CIRC.	280.000	88.427198	0.000	420613.626	4577129.111	51.511270	12.911	153.630273	94.963948	187.632	397.082950	11.322
CIRC.	300.000	68.988426	0.000	420632.444	4577135.651	68.056149	32.122	170.175151	93.415964	206.969	395.534967	11.277
CIRC.	320.000	49.549655	0.000	420648.426	4577147.545	64.694014	51.927	166.813016	90.525704	224.325	392.644706	11.261
CLOT.	330.361	39.479698	0.000	420655.088	4577155.466	61.371752	61.846	163.490754	88.648418	232.188	390.767420	11.265
CLOT.	340.000	30.932443	0.000	420660.129	4577163.674	57.891257	70.773	160.010259	86.732546	238.714	388.851549	11.276
CIRC.	345.544	26.761151	0.000	420662.552	4577168.659	55.836726	75.786	157.955728	85.582103	242.155	387.701105	11.285
CIRC.	360.000	16.591780	0.000	420667.375	4577182.271	50.520442	88.506	152.639444	82.481445	250.208	384.600448	11.319
CIRC.	380.000	2.522834	0.000	420670.360	4577202.006	43.255281	105.158	145.374283	78.010257	259.082	380.129259	11.393
CIRC.	400.000	388.453889	0.000	420668.947	4577221.915	36.051410	120.529	138.170412	73.394183	265.190	375.513186	11.490
CIRC.	420.000	374.384944	0.000	420663.204	4577241.030	28.884425	134.430	131.003427	68.693845	268.430	370.812847	11.590

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 6 : Glorieta Eliptica Nudo Sant Boi-Cornellá

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 270.323 Dis= 7.874
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 183.472 Dis= 122.419

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	440.000	360.315999	0.000	420653.410	4577258.421	21.741074	146.692	123.860076	63.962562	268.751	366.081564	11.690
CIRC.	460.000	346.247053	0.000	420640.043	4577273.243	14.613473	157.165	116.732475	59.251051	266.147	361.370053	11.790
CLOT.	471.793	337.951428	0.000	420630.743	4577280.481	10.416009	162.449	112.535011	56.503208	263.255	358.622210	11.849
CLOT.	480.000	331.582534	0.000	420623.739	4577284.752	7.492669	165.698	109.611671	54.613728	260.635	356.732730	11.890
CIRC.	486.976	325.232882	0.000	420617.452	4577287.769	4.993302	168.084	107.112305	53.035559	257.932	355.154561	11.925
CIRC.	489.689	322.595523	0.000	420614.928	4577288.764	4.015391	168.899	106.134394	52.431934	256.745	354.550936	11.939

Istram 21.04
PROYECTO : BAIX LLOBREGAT

GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 9 : Ramal-1. Nudo Sant Boi-Cornella

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 70.356 Dis= 86.193
Distancia: 229.295 Azimut: 172.156102
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 0.000 Dis= 201.458

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	377.728438	0.000	420688.145	4576736.248	240.455783	107.827	68.299681	340.989683	201.458	368.833581	10.503
CIRC.	20.000	379.958279	0.000	420681.620	4576755.153	251.220390	97.881	79.064289	344.258044	218.312	372.101942	10.105
CIRC.	40.000	382.188121	0.000	420675.762	4576774.274	263.836238	90.617	91.680136	347.216487	235.313	375.060385	9.881
CIRC.	60.000	384.417963	0.000	420670.577	4576793.589	277.952110	86.719	105.796009	349.925815	252.413	377.769713	9.830
CLOT.	73.031	385.870847	0.000	420667.563	4576806.267	287.547835	86.228	115.391733	351.579637	263.589	379.423536	9.952
CLOT.	80.000	386.615866	0.000	420666.070	4576813.074	292.672166	86.651	120.516065	352.432238	269.574	380.276136	10.062
CLOT.	100.000	388.399318	0.000	420662.184	4576832.692	306.814136	90.481	134.658034	354.759397	286.798	382.603295	10.490
CLOT.	120.000	389.656638	0.000	420658.768	4576852.398	319.400754	97.890	147.244653	356.908491	304.135	384.752389	11.091
CIRC.	123.223	389.810050	0.000	420658.250	4576855.580	321.245738	99.380	149.089636	357.238146	306.944	385.082044	11.201
CIRC.	140.000	390.572929	0.000	420655.675	4576872.157	329.987757	108.262	157.831656	358.881465	321.630	386.725363	11.688
CIRC.	160.000	391.482385	0.000	420652.866	4576891.959	338.636742	120.865	166.480641	360.697198	339.272	388.541097	12.238
CIRC.	180.000	392.391842	0.000	420650.340	4576911.799	345.652615	135.075	173.496513	362.377948	357.036	390.221847	12.782
CIRC.	200.000	393.301299	0.000	420648.097	4576931.672	351.375548	150.434	179.219447	363.942167	374.902	391.786065	13.295
CIRC.	220.000	394.210756	0.000	420646.139	4576951.576	356.099370	166.622	183.943268	365.405225	392.852	393.249123	13.568
CIRC.	240.000	395.120213	0.000	420644.465	4576971.506	360.054647	183.417	187.898546	366.780001	410.872	394.623899	13.555
CIRC.	260.000	396.029669	0.000	420643.076	4576991.457	363.415626	200.663	191.259525	368.077347	428.950	395.921245	13.283
CIRC.	280.000	396.939126	0.000	420641.972	4577011.426	366.312503	218.250	194.156402	369.306456	447.074	397.150355	12.963
CIRC.	300.000	397.848583	0.000	420641.153	4577031.410	368.842685	236.100	196.686584	370.475163	465.237	398.319061	12.643
CIRC.	320.000	398.758040	0.000	420640.620	4577051.402	371.079597	254.153	198.923496	371.590172	483.431	399.434071	12.323
CIRC.	340.000	399.667497	0.000	420640.373	4577071.401	373.079158	272.366	200.923057	372.657256	501.648	0.501155	12.003
CIRC.	360.000	0.576953	0.000	420640.412	4577091.400	374.884447	290.705	202.728346	373.681403	519.883	1.525302	11.683
CIRC.	380.000	1.486410	0.000	420640.736	4577111.398	376.529040	309.145	204.372939	374.666947	538.129	2.510845	11.363
CLOT.	382.268	1.589563	0.000	420640.790	4577113.665	376.706662	311.242	204.550561	374.776465	540.200	2.620363	11.327
CLOT.	400.000	6.399038	0.000	420641.716	4577131.368	378.105987	327.521	205.949885	375.656214	556.227	3.500112	11.191
CLOT.	420.000	21.432064	0.000	420645.783	4577150.903	380.029786	344.698	207.873684	376.885426	572.940	4.729324	11.345
CIRC.	430.483	33.379950	0.000	420650.116	4577160.431	381.305298	352.495	209.149197	377.701012	580.355	5.544910	11.402
CIRC.	432.593	36.066507	0.000	420651.211	4577162.235	381.587681	353.908	209.431579	377.881275	581.676	5.725174	11.408

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 9 : Ramal-1. Nudo Sant Boi-Cornella

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 70.356 Dis= 86.193
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 277.021 Dis= 57.513

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	377.728438	0.000	420688.145	4576736.248	240.455783	107.827	257.792448	202.639969	275.326	19.976634	10.503
CIRC.	20.000	379.958279	0.000	420681.620	4576755.153	251.220390	97.881	268.557056	204.450500	256.811	21.787165	10.105
CIRC.	40.000	382.188121	0.000	420675.762	4576774.274	263.836238	90.617	281.172903	206.369271	238.254	23.705936	9.881
CIRC.	60.000	384.417963	0.000	420670.577	4576793.589	277.952110	86.719	295.288775	208.423975	219.668	25.760640	9.830
CLOT.	73.031	385.870847	0.000	420667.563	4576806.267	287.547835	86.228	304.884500	209.853337	207.551	27.190002	9.952
CLOT.	80.000	386.615866	0.000	420666.070	4576813.074	292.672166	86.651	310.008831	210.652826	201.071	27.989491	10.062
CLOT.	100.000	388.399318	0.000	420662.184	4576832.692	306.814136	90.481	324.150801	213.129661	182.513	30.466327	10.490
CLOT.	120.000	389.656638	0.000	420658.768	4576852.398	319.400754	97.890	336.737420	215.993558	164.090	33.330223	11.091
CIRC.	123.223	389.810050	0.000	420658.250	4576855.580	321.245738	99.380	338.582403	216.504070	161.142	33.840735	11.201
CIRC.	140.000	390.572929	0.000	420655.675	4576872.157	329.987757	108.262	347.324422	219.444601	145.934	36.781266	11.688
CIRC.	160.000	391.482385	0.000	420652.866	4576891.959	338.636742	120.865	355.973408	223.735780	128.185	41.072445	12.238
CIRC.	180.000	392.391842	0.000	420650.340	4576911.799	345.652615	135.075	362.989280	229.234664	111.043	46.571330	12.782
CIRC.	200.000	393.301299	0.000	420648.097	4576931.672	351.375548	150.434	368.712213	236.512893	94.841	53.849558	13.295
CIRC.	220.000	394.210756	0.000	420646.139	4576951.576	356.099370	166.622	373.436035	246.437126	80.157	63.773791	13.568
CIRC.	240.000	395.120213	0.000	420644.465	4576971.506	360.054647	183.417	377.391312	260.149093	67.985	77.485758	13.555
CIRC.	260.000	396.029669	0.000	420643.076	4576991.457	363.415626	200.663	380.752292	278.455453	59.880	95.792118	13.283
CIRC.	280.000	396.939126	0.000	420641.972	4577011.426	366.312503	218.250	383.649168	300.098896	57.587	117.435561	12.963
CIRC.	300.000	397.848583	0.000	420641.153	4577031.410	368.842685	236.100	386.179351	321.073963	61.759	138.410629	12.643
CIRC.	320.000	398.758040	0.000	420640.620	4577051.402	371.079597	254.153	388.416263	338.007892	71.267	155.344558	12.323
CIRC.	340.000	399.667497	0.000	420640.373	4577071.401	373.079158	272.366	390.415823	350.468574	84.324	167.805239	12.003
CIRC.	360.000	0.576953	0.000	420640.412	4577091.400	374.884447	290.705	392.221112	359.493971	99.542	176.830636	11.683
CIRC.	380.000	1.486410	0.000	420640.736	4577111.398	376.529040	309.145	393.865705	366.166327	116.070	183.502992	11.363
CLOT.	382.268	1.589563	0.000	420640.790	4577113.665	376.706662	311.242	394.043327	366.811854	118.004	184.148519	11.327
CLOT.	400.000	6.399038	0.000	420641.716	4577131.368	378.105987	327.521	395.442652	371.411997	133.241	188.748662	11.191
CLOT.	420.000	21.432064	0.000	420645.783	4577150.903	380.029786	344.698	397.366451	376.586490	149.568	193.923155	11.345
CIRC.	430.483	33.379950	0.000	420650.116	4577160.431	381.305298	352.495	398.641964	379.614874	157.078	196.951539	11.402
CIRC.	432.593	36.066507	0.000	420651.211	4577162.235	381.587681	353.908	398.924346	380.260400	158.454	197.597066	11.408

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 9 : Ramal-1. Nudo Sant Boi-Cornella

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 277.021 Dis= 57.513
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 70.356 Dis= 86.193

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	377.728438	0.000	420688.145	4576736.248	202.639969	275.326	19.976634	240.455783	107.827	257.792448	10.503
CIRC.	20.000	379.958279	0.000	420681.620	4576755.153	204.450500	256.811	21.787165	251.220390	97.881	268.557056	10.105
CIRC.	40.000	382.188121	0.000	420675.762	4576774.274	206.369271	238.254	23.705936	263.836238	90.617	281.172903	9.881
CIRC.	60.000	384.417963	0.000	420670.577	4576793.589	208.423975	219.668	25.760640	277.952110	86.719	295.288775	9.830
CLOT.	73.031	385.870847	0.000	420667.563	4576806.267	209.853337	207.551	27.190002	287.547835	86.228	304.884500	9.952
CLOT.	80.000	386.615866	0.000	420666.070	4576813.074	210.652826	201.071	27.989491	292.672166	86.651	310.008831	10.062
CLOT.	100.000	388.399318	0.000	420662.184	4576832.692	213.129661	182.513	30.466327	306.814136	90.481	324.150801	10.490
CLOT.	120.000	389.656638	0.000	420658.768	4576852.398	215.993558	164.090	33.330223	319.400754	97.890	336.737420	11.091
CIRC.	123.223	389.810050	0.000	420658.250	4576855.580	216.504070	161.142	33.840735	321.245738	99.380	338.582403	11.201
CIRC.	140.000	390.572929	0.000	420655.675	4576872.157	219.444601	145.934	36.781266	329.987757	108.262	347.324422	11.688
CIRC.	160.000	391.482385	0.000	420652.866	4576891.959	223.735780	128.185	41.072445	338.636742	120.865	355.973408	12.238
CIRC.	180.000	392.391842	0.000	420650.340	4576911.799	229.234664	111.043	46.571330	345.652615	135.075	362.989280	12.782
CIRC.	200.000	393.301299	0.000	420648.097	4576931.672	236.512893	94.841	53.849558	351.375548	150.434	368.712213	13.295
CIRC.	220.000	394.210756	0.000	420646.139	4576951.576	246.437126	80.157	63.773791	356.099370	166.622	373.436035	13.568
CIRC.	240.000	395.120213	0.000	420644.465	4576971.506	260.149093	67.985	77.485758	360.054647	183.417	377.391312	13.555
CIRC.	260.000	396.029669	0.000	420643.076	4576991.457	278.455453	59.880	95.792118	363.415626	200.663	380.752292	13.283
CIRC.	280.000	396.939126	0.000	420641.972	4577011.426	300.098896	57.587	117.435561	366.312503	218.250	383.649168	12.963
CIRC.	300.000	397.848583	0.000	420641.153	4577031.410	321.073963	61.759	138.410629	368.842685	236.100	386.179351	12.643
CIRC.	320.000	398.758040	0.000	420640.620	4577051.402	338.007892	71.267	155.344558	371.079597	254.153	388.416263	12.323
CIRC.	340.000	399.667497	0.000	420640.373	4577071.401	350.468574	84.324	167.805239	373.079158	272.366	390.415823	12.003
CIRC.	360.000	0.576953	0.000	420640.412	4577091.400	359.493971	99.542	176.830636	374.884447	290.705	392.221112	11.683
CIRC.	380.000	1.486410	0.000	420640.736	4577111.398	366.166327	116.070	183.502992	376.529040	309.145	393.865705	11.363
CLOT.	382.268	1.589563	0.000	420640.790	4577113.665	366.811854	118.004	184.148519	376.706662	311.242	394.043327	11.327
CLOT.	400.000	6.399038	0.000	420641.716	4577131.368	371.411997	133.241	188.748662	378.105987	327.521	395.442652	11.191
CLOT.	420.000	21.432064	0.000	420645.783	4577150.903	376.586490	149.568	193.923155	380.029786	344.698	397.366451	11.345
CIRC.	430.483	33.379950	0.000	420650.116	4577160.431	379.614874	157.078	196.951539	381.305298	352.495	398.641964	11.402
CIRC.	432.593	36.066507	0.000	420651.211	4577162.235	380.260400	158.454	197.597066	381.587681	353.908	398.924346	11.408

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 9 : Ramal-1. Nudo Sant Boi-Cornella

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 277.021 Dis= 57.513
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 387.548 Dis= -36.682

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	377.728438	0.000	420688.145	4576736.248	202.639969	275.326	248.409063	186.309967	393.005	32.079060	10.503
CIRC.	20.000	379.958279	0.000	420681.620	4576755.153	204.450500	256.811	250.219594	186.709225	373.151	32.478318	10.105
CIRC.	40.000	382.188121	0.000	420675.762	4576774.274	206.369271	238.254	252.138365	187.027902	353.234	32.796996	9.881
CIRC.	60.000	384.417963	0.000	420670.577	4576793.589	208.423975	219.668	254.193068	187.251297	333.272	33.020391	9.830
CLOT.	73.031	385.870847	0.000	420667.563	4576806.267	209.853337	207.551	255.622431	187.337011	320.248	33.106105	9.952
CLOT.	80.000	386.615866	0.000	420666.070	4576813.074	210.652826	201.071	256.421920	187.361219	313.281	33.130313	10.062
CLOT.	100.000	388.399318	0.000	420662.184	4576832.692	213.129661	182.513	258.898755	187.348248	293.281	33.117342	10.490
CLOT.	120.000	389.656638	0.000	420658.768	4576852.398	215.993558	164.090	261.762651	187.222130	273.289	32.991224	11.091
CIRC.	123.223	389.810050	0.000	420658.250	4576855.580	216.504070	161.142	262.273164	187.192151	270.069	32.961245	11.201
CIRC.	140.000	390.572929	0.000	420655.675	4576872.157	219.444601	145.934	265.213695	186.993583	253.312	32.762677	11.688
CIRC.	160.000	391.482385	0.000	420652.866	4576891.959	223.735780	128.185	269.504874	186.648071	233.356	32.417164	12.238
CIRC.	180.000	392.391842	0.000	420650.340	4576911.799	229.234664	111.043	275.003758	186.153020	213.431	31.922113	12.782

CIRC.	200.000	393.301299	0.000	420648.097	4576931.672	236.512893	94.841	282.281987	185.462636	193.553	31.231730	13.295
CIRC.	220.000	394.210756	0.000	420646.139	4576951.576	246.437126	80.157	292.206219	184.510630	173.742	30.279724	13.568
CIRC.	240.000	395.120213	0.000	420644.465	4576971.506	260.149093	67.985	305.918187	183.197570	154.029	28.966664	13.555
CIRC.	260.000	396.029669	0.000	420643.076	4576991.457	278.455453	59.880	324.224547	181.367885	134.462	27.136979	13.283
CIRC.	280.000	396.939126	0.000	420641.972	4577011.426	300.098896	57.587	345.867990	178.765556	115.119	24.534650	12.963
CIRC.	300.000	397.848583	0.000	420641.153	4577031.410	321.073963	61.759	366.843057	174.943222	96.143	20.712316	12.643
CIRC.	320.000	398.758040	0.000	420640.620	4577051.402	338.007892	71.267	383.776986	169.064053	77.806	14.833146	12.323
CIRC.	340.000	399.667497	0.000	420640.373	4577071.401	350.468574	84.324	396.237668	159.460678	60.696	5.229772	12.003
CIRC.	360.000	0.576953	0.000	420640.412	4577091.400	359.493971	99.542	5.263064	142.844514	46.204	388.613607	11.683
CIRC.	380.000	1.486410	0.000	420640.736	4577111.398	366.166327	116.070	11.935420	115.085326	37.502	360.854420	11.363
CLOT.	382.268	1.589563	0.000	420640.790	4577113.665	366.811854	118.004	12.580948	111.277177	37.089	357.046271	11.327
CLOT.	400.000	6.399038	0.000	420641.716	4577131.368	371.411997	133.241	17.181091	81.543719	39.065	327.312813	11.191
CLOT.	420.000	21.432064	0.000	420645.783	4577150.903	376.586490	149.568	22.355583	59.451763	51.623	305.220857	11.345
CIRC.	430.483	33.379950	0.000	420650.116	4577160.431	379.614874	157.078	25.383968	54.139693	60.986	299.908787	11.402
CIRC.	432.593	36.066507	0.000	420651.211	4577162.235	380.260400	158.454	26.029494	53.499474	63.001	299.268568	11.408

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 9 : Ramal-1. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 387.548 Dis= -36.682
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 277.021 Dis= 57.513

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	377.728438	0.000	420688.145	4576736.248	186.309967	393.005	32.079060	202.639969	275.326	248.409063	10.503
CIRC.	20.000	379.958279	0.000	420681.620	4576755.153	186.709225	373.151	32.478318	204.450500	256.811	250.219594	10.105
CIRC.	40.000	382.188121	0.000	420675.762	4576774.274	187.027902	353.234	32.796996	206.369271	238.254	252.138365	9.881
CIRC.	60.000	384.417963	0.000	420670.577	4576793.589	187.251297	333.272	33.020391	208.423975	219.668	254.193068	9.830
CLOT.	73.031	385.870847	0.000	420667.563	4576806.267	187.337011	320.248	33.106105	209.853337	207.551	255.622431	9.952
CLOT.	80.000	386.615866	0.000	420666.070	4576813.074	187.361219	313.281	33.130313	210.652826	201.071	256.421920	10.062
CLOT.	100.000	388.399318	0.000	420662.184	4576832.692	187.348248	293.281	33.117342	213.129661	182.513	258.898755	10.490
CLOT.	120.000	389.656638	0.000	420658.768	4576852.398	187.222130	273.289	32.991224	215.993558	164.090	261.762651	11.091
CIRC.	123.223	389.810050	0.000	420658.250	4576855.580	187.192151	270.069	32.961245	216.504070	161.142	262.273164	11.201
CIRC.	140.000	390.572929	0.000	420655.675	4576872.157	186.993583	253.312	32.762677	219.444601	145.934	265.213695	11.688
CIRC.	160.000	391.482385	0.000	420652.866	4576891.959	186.648071	233.356	32.417164	223.735780	128.185	269.504874	12.238
CIRC.	180.000	392.391842	0.000	420650.340	4576911.799	186.153020	213.431	31.922113	229.234664	111.043	275.003758	12.782
CIRC.	200.000	393.301299	0.000	420648.097	4576931.672	185.462636	193.553	31.231730	236.512893	94.841	282.281987	13.295
CIRC.	220.000	394.210756	0.000	420646.139	4576951.576	184.510630	173.742	30.279724	246.437126	80.157	292.206219	13.568
CIRC.	240.000	395.120213	0.000	420644.465	4576971.506	183.197570	154.029	28.966664	260.149093	67.985	305.918187	13.555
CIRC.	260.000	396.029669	0.000	420643.076	4576991.457	181.367885	134.462	27.136979	278.455453	59.880	324.224547	13.283
CIRC.	280.000	396.939126	0.000	420641.972	4577011.426	178.765556	115.119	24.534650	300.098896	57.587	345.867990	12.963
CIRC.	300.000	397.848583	0.000	420641.153	4577031.410	174.943222	96.143	20.712316	321.073963	61.759	366.843057	12.643
CIRC.	320.000	398.758040	0.000	420640.620	4577051.402	169.064053	77.806	14.833146	338.007892	71.267	383.776986	12.323
CIRC.	340.000	399.667497	0.000	420640.373	4577071.401	159.460678	60.696	5.229772	350.468574	84.324	396.237668	12.003
CIRC.	360.000	0.576953	0.000	420640.412	4577091.400	142.844514	46.204	388.613607	359.493971	99.542	5.263064	11.683
CIRC.	380.000	1.486410	0.000	420640.736	4577111.398	115.085326	37.502	360.854420	366.166327	116.070	11.935420	11.363
CLOT.	382.268	1.589563	0.000	420640.790	4577113.665	111.277177	37.089	357.046271	366.811854	118.004	12.580948	11.327
CLOT.	400.000	6.399038	0.000	420641.716	4577131.368	81.543719	39.065	327.312813	371.411997	133.241	17.181091	11.191
CLOT.	420.000	21.432064	0.000	420645.783	4577150.903	59.451763	51.623	305.220857	376.586490	149.568	22.355583	11.345
CIRC.	430.483	33.379950	0.000	420650.116	4577160.431	54.139693	60.986	299.908787	379.614874	157.078	25.383968	11.402
CIRC.	432.593	36.066507	0.000	420651.211	4577162.235	53.499474	63.001	299.268568	380.260400	158.454	26.029494	11.408

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 10 : Ramal-2. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 0.000 Dis=-156.145
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 17.422 Dis=-259.676

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	343.093137	0.000	420634.427	4577273.409	12.367883	156.145	114.486885	58.402935	261.764	360.521937	11.883
CIRC.	20.000	355.825533	0.000	420620.189	4577287.407	6.038088	167.961	108.157090	53.552306	259.722	355.671308	11.896
CLOT.	34.460	365.030859	0.000	420611.776	4577299.152	2.664289	179.108	104.783292	50.056229	261.674	352.175231	11.972
CLOT.	40.000	368.422696	0.000	420609.012	4577303.953	1.638366	183.813	103.757368	48.761850	263.164	350.880852	12.089
CLOT.	60.000	378.416471	0.000	420600.995	4577322.253	398.964344	202.079	101.083346	44.427723	271.425	346.546725	12.916
CLOT.	80.000	384.885707	0.000	420595.401	4577341.446	397.445820	221.423	99.564822	40.687329	283.024	342.806332	14.113
CIRC.	88.647	386.591380	0.000	420593.487	4577349.878	397.010053	229.931	99.129055	39.239488	288.725	341.358490	14.632
CIRC.	100.000	388.398235	0.000	420591.271	4577361.012	396.563797	241.163	98.682799	37.469969	296.644	339.588971	15.313
CIRC.	120.000	391.581334	0.000	420588.140	4577380.764	396.061103	261.062	98.180105	34.696902	311.629	336.815904	16.484
CIRC.	140.000	394.764433	0.000	420585.999	4577400.647	395.855657	281.041	97.974659	32.338586	327.747	334.457588	17.315
CIRC.	160.000	397.947532	0.000	420584.855	4577420.612	395.888893	301.038	98.007896	30.360688	344.801	332.479690	17.725
CIRC.	180.000	1.130631	0.000	420584.711	4577440.609	396.116168	321.005	98.235170	28.726374	362.620	330.845376	17.763
CIRC.	200.000	4.313730	0.000	420585.565	4577460.589	396.502995	340.902	98.621998	27.399203	381.055	329.518205	17.715
CIRC.	220.000	7.496828	0.000	420587.418	4577480.501	397.022397	360.694	99.141400	26.344815	399.979	328.463817	17.628
CIRC.	240.000	10.679927	0.000	420590.263	4577500.295	397.653013	380.353	99.772015	25.531776	419.281	327.650778	17.503
CIRC.	260.000	13.863026	0.000	420594.094	4577519.923	398.377739	399.852	100.496741	24.931892	438.866	327.050894	17.356
CIRC.	280.000	17.046125	0.000	420598.901	4577539.334	399.182737	419.168	101.301739	24.520189	458.652	326.639191	17.305
CLOT.	281.287	17.250986	0.000	420599.244	4577540.575	399.237017	420.404	101.356019	24.499604	459.931	326.618606	17.300
CLOT.	300.000	19.885204	0.000	420604.640	4577558.492	0.052032	438.291	102.171034	24.270255	478.566	326.389257	17.220
CLOT.	320.000	21.939960	0.000	420611.112	4577577.415	0.950900	457.265	103.069902	24.138247	498.539	326.257249	17.112
CLOT.	340.000	23.208766	0.000	420618.075	4577596.163	1.844385	476.162	103.963387	24.080460	518.534	326.199462	16.995
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	2.333545	486.790	104.452547	24.066297	529.787	326.185299	16.883
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	2.333545	486.790	104.452547	24.066297	529.787	326.185299	16.883

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 10 : Ramal-2. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 0.000 Dis=-156.145
Distancia: 461.063 Azimut: 396.017622
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 311.169 Dis= -34.609

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	343.093137	0.000	420634.427	4577273.409	12.367883	156.145	16.350261	187.917361	312.566	391.899739	11.883
CIRC.	20.000	355.825533	0.000	420620.189	4577287.407	6.038088	167.961	10.020466	190.354330	296.350	394.336708	11.896
CLOT.	34.460	365.030859	0.000	420611.776	4577299.152	2.664289	179.108	6.646668	191.823706	283.546	395.806084	11.972
CLOT.	40.000	368.422696	0.000	420609.012	4577303.953	1.638366	183.813	5.620744	192.309778	278.438	396.292156	12.089
CLOT.	60.000	378.416471	0.000	420600.995	4577322.253	398.964344	202.079	2.946722	193.722103	259.369	397.704481	12.916
CLOT.	80.000	384.885707	0.000	420595.401	4577341.446	397.445820	221.423	1.428198	194.698598	239.747	398.680976	14.113
CIRC.	88.647	386.591380	0.000	420593.487	4577349.878	397.010053	229.931	0.992431	195.030586	231.188	399.012965	14.632
CIRC.	100.000	388.398235	0.000	420591.271	4577361.012	396.563797	241.163	0.546175	195.418685	219.919	399.401064	15.313
CIRC.	120.000	391.581334	0.000	420588.140	4577380.764	396.061103	261.062	0.043481	195.960866	200.001	399.943244	16.484
CIRC.	140.000	394.764433	0.000	420585.999	4577400.647	395.855657	281.041	399.838035	196.270470	180.024	0.252848	17.315
CIRC.	160.000	397.947532	0.000	420584.855	4577420.612	395.888893	301.038	399.871272	196.259784	160.026	0.242162	17.725
CIRC.	180.000	1.130631	0.000	420584.711	4577440.609	396.116168	321.005	0.098546	195.791761	140.059	399.774139	17.763
CIRC.	200.000	4.313730	0.000	420585.565	4577460.589	396.502995	340.902	0.485374	194.640934	120.199	398.623312	17.715
CIRC.	220.000	7.496828	0.000	420587.418	4577480.501	397.022397	360.694	1.004776	192.412384	100.575	396.394762	17.628
CIRC.	240.000	10.679927	0.000	420590.263	4577500.295	397.653013	380.353	1.635391	188.360654	81.424	392.343032	17.503
CIRC.	260.000	13.863026	0.000	420594.094	4577519.923	398.377739	399.852	2.360117	180.960166	63.247	384.942544	17.356
CIRC.	280.000	17.046125	0.000	420598.901	4577539.334	399.182737	419.168	3.165115	166.952800	47.252	370.935179	17.305
CLOT.	281.287	17.250986	0.000	420599.244	4577540.575	399.237017	420.404	3.219395	165.698864	46.354	369.681242	17.300
CLOT.	300.000	19.885204	0.000	420604.640	4577558.492	0.052032	438.291	4.034410	140.944985	36.467	344.927363	17.220
CLOT.	320.000	21.939960	0.000	420611.112	4577577.415	0.950900	457.265	4.933278	105.250898	35.774	309.233276	17.112
CLOT.	340.000	23.208766	0.000	420618.075	4577596.163	1.844385	476.162	5.826763	77.396247	45.451	281.378625	16.995
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	2.333545	486.790	6.315923	67.323957	53.565	271.306335	16.883
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	2.333545	486.790	6.315923	67.323957	53.565	271.306335	16.883

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 10 : Ramal-2. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 311.169 Dis= -34.609
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 0.000 Dis=-156.145

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	343.093137	0.000	420634.427	4577273.409	187.917361	312.566	391.899739	12.367883	156.145	16.350261	11.883
CIRC.	20.000	355.825533	0.000	420620.189	4577287.407	190.354330	296.350	394.336708	6.038088	167.961	10.020466	11.896
CLOT.	34.460	365.030859	0.000	420611.776	4577299.152	191.823706	283.546	395.806084	2.664289	179.108	6.646668	11.972
CLOT.	40.000	368.422696	0.000	420609.012	4577303.953	192.309778	278.438	396.292156	1.638366	183.813	5.620744	12.089

CLOT.	60.000	378.416471	0.000	420600.995	4577322.253	193.722103	259.369	397.704481	398.964344	202.079	2.946722	12.916
CLOT.	80.000	384.885707	0.000	420595.401	4577341.446	194.698598	239.747	398.680976	397.445820	221.423	1.428198	14.113
CIRC.	88.647	386.591380	0.000	420593.487	4577349.878	195.030586	231.188	399.012965	397.010053	229.931	0.992431	14.632
CIRC.	100.000	388.398235	0.000	420591.271	4577361.012	195.418685	219.919	399.401064	396.563797	241.163	0.546175	15.313
CIRC.	120.000	391.581334	0.000	420588.140	4577380.764	195.960866	200.001	399.943244	396.061103	261.062	0.043481	16.484
CIRC.	140.000	394.764433	0.000	420585.999	4577400.647	196.270470	180.024	0.252848	395.855657	281.041	399.838035	17.315
CIRC.	160.000	397.947532	0.000	420584.855	4577420.612	196.259784	160.026	0.242162	395.888893	301.038	399.871272	17.725
CIRC.	180.000	1.130631	0.000	420584.711	4577440.609	195.791761	140.059	399.774139	396.116168	321.005	0.098546	17.763
CIRC.	200.000	4.313730	0.000	420585.565	4577460.589	194.640934	120.199	398.623312	396.502995	340.902	0.485374	17.715
CIRC.	220.000	7.496828	0.000	420587.418	4577480.501	192.412384	100.575	396.394762	397.022397	360.694	1.004776	17.628
CIRC.	240.000	10.679927	0.000	420590.263	4577500.295	188.360654	81.424	392.343032	397.653013	380.353	1.635391	17.503
CIRC.	260.000	13.863026	0.000	420594.094	4577519.923	180.960166	63.247	384.942544	398.377739	399.852	2.360117	17.356
CIRC.	280.000	17.046125	0.000	420598.901	4577539.334	166.952800	47.252	370.935179	399.182737	419.168	3.165115	17.305
CLOT.	281.287	17.250986	0.000	420599.244	4577540.575	165.698864	46.354	369.681242	399.237017	420.404	3.219395	17.300
CLOT.	300.000	19.885204	0.000	420604.640	4577558.492	140.944985	36.467	344.927363	0.052032	438.291	4.034410	17.220
CLOT.	320.000	21.939960	0.000	420611.112	4577577.415	105.250898	35.774	309.233276	0.950900	457.265	4.933278	17.112
CLOT.	340.000	23.208766	0.000	420618.075	4577596.163	77.396247	45.451	281.378625	1.844385	476.162	5.826763	16.995
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	67.323957	53.565	271.306335	2.333545	486.790	6.315923	16.883
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	67.323957	53.565	271.306335	2.333545	486.790	6.315923	16.883

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 10 : Ramal-2. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 311.169 Dis= -34.609
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 351.254 Dis=-298.461

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	343.093137	0.000	420634.427	4577273.409	187.917361	312.566	167.322244	204.861582	627.417	384.266466	11.883
CIRC.	20.000	355.825533	0.000	420620.189	4577287.407	190.354330	296.350	169.759214	206.442528	614.735	385.847411	11.896
CLOT.	34.460	365.030859	0.000	420611.776	4577299.152	191.823706	283.546	171.228589	207.449868	603.976	386.854752	11.972
CLOT.	40.000	368.422696	0.000	420609.012	4577303.953	192.309778	278.438	171.714661	207.800837	599.540	387.205720	12.089
CLOT.	60.000	378.416471	0.000	420600.995	4577322.253	193.722103	259.369	173.126986	208.915105	582.446	388.319989	12.916
CLOT.	80.000	384.885707	0.000	420595.401	4577341.446	194.698598	239.747	174.103481	209.842313	564.281	389.247197	14.113
CIRC.	88.647	386.591380	0.000	420593.487	4577349.878	195.030586	231.188	174.435470	210.207326	556.253	389.612209	14.632
CIRC.	100.000	388.398235	0.000	420591.271	4577361.012	195.418685	219.919	174.823569	210.669927	545.630	390.074811	15.313
CIRC.	120.000	391.581334	0.000	420588.140	4577380.764	195.960866	200.001	175.365749	211.441375	526.717	390.846259	16.484
CIRC.	140.000	394.764433	0.000	420585.999	4577400.647	196.270470	180.024	175.675354	212.151321	507.568	391.556204	17.315
CIRC.	160.000	397.947532	0.000	420584.855	4577420.612	196.259784	160.026	175.664667	212.791721	488.207	392.196605	17.725
CIRC.	180.000	1.130631	0.000	420584.711	4577440.609	195.791761	140.059	175.196644	213.353150	468.659	392.758033	17.763
CIRC.	200.000	4.313730	0.000	420585.565	4577460.589	194.640934	120.199	174.045817	213.824497	448.952	393.229381	17.715
CIRC.	220.000	7.496828	0.000	420587.418	4577480.501	192.412384	100.575	171.817268	214.192604	429.116	393.597488	17.628
CIRC.	240.000	10.679927	0.000	420590.263	4577500.295	188.360654	81.424	167.765538	214.441794	409.185	393.846678	17.503
CIRC.	260.000	13.863026	0.000	420594.094	4577519.923	180.960166	63.247	160.365049	214.553288	389.200	393.958172	17.356
CIRC.	280.000	17.046125	0.000	420598.901	4577539.334	166.952800	47.252	146.357684	214.504472	369.204	393.909355	17.305
CLOT.	281.287	17.250986	0.000	420599.244	4577540.575	165.698864	46.354	145.103748	214.495224	367.918	393.900107	17.300
CLOT.	300.000	19.885204	0.000	420604.640	4577558.492	140.944985	36.467	120.349869	214.274096	349.248	393.678980	17.220
CLOT.	320.000	21.939960	0.000	420611.112	4577577.415	105.250898	35.774	84.655781	213.867779	329.366	393.272663	17.112
CLOT.	340.000	23.208766	0.000	420618.075	4577596.163	77.396247	45.451	56.801131	213.302843	309.568	392.707726	16.995
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	67.323957	53.565	46.728840	212.923207	298.461	392.328090	16.883
CIRC.	351.254	23.577160	0.000	420622.121	4577606.664	67.323957	53.565	46.728840	212.923207	298.461	392.328090	16.883

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 11 : Ramal-4. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 54.687 Dis= -35.290
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 0.000 Dis= 132.175

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	341.557457	68.410	43.676459	76.614145	132.175	378.733147	11.826
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	341.557457	68.410	43.676459	76.614145	132.175	378.733147	11.826
CLOT.	5.892	161.943972	0.000	420553.487	4577157.053	339.957158	62.755	42.076160	79.305991	133.919	381.424993	11.784
CLOT.	20.000	174.378921	0.000	420560.160	4577144.648	332.210930	50.443	34.329932	85.770543	136.986	387.889545	11.617
CLOT.	40.000	183.321406	0.000	420566.424	4577125.672	309.137660	38.251	11.256662	94.826949	140.306	396.945951	11.334
RECTA	47.559	184.048825	0.000	420568.326	4577118.357	296.738303	36.003	398.857305	98.171104	141.804	0.290107	11.246
RECTA	60.000	184.048825	0.000	420571.411	4577106.304	274.536527	35.688	376.655530	103.504062	145.050	5.623064	11.132
RECTA	80.000	184.048825	0.000	420576.370	4577086.929	244.436766	43.429	346.555769	111.499538	152.267	13.618540	11.026
RECTA	100.000	184.048825	0.000	420581.329	4577067.553	226.173185	57.434	328.292187	118.670250	161.650	20.789252	11.015
RECTA	120.000	184.048825	0.000	420586.288	4577048.178	215.586013	74.237	317.705015	124.984132	172.848	27.103134	11.098
RECTA	140.000	184.048825	0.000	420591.247	4577028.802	209.018504	92.323	311.137506	130.483111	185.532	32.602114	11.266
RECTA	160.000	184.048825	0.000	420596.206	4577009.427	204.633155	111.068	306.752157	135.247932	199.418	37.366934	11.446
RECTA	180.000	184.048825	0.000	420601.165	4576990.051	201.524461	130.187	303.643463	139.372645	214.274	41.491647	11.626
RECTA	200.000	184.048825	0.000	420606.124	4576970.676	199.215890	149.536	301.334892	142.949689	229.911	45.068691	11.806
RECTA	220.000	184.048825	0.000	420611.083	4576951.300	197.438065	169.037	299.557067	146.062734	246.180	48.181736	11.986
RECTA	240.000	184.048825	0.000	420616.042	4576931.925	196.028859	188.643	298.147861	148.784225	262.964	50.903227	12.158
RECTA	260.000	184.048825	0.000	420621.001	4576912.550	194.885436	208.323	297.004438	151.175371	280.171	53.294373	12.231
RECTA	280.000	184.048825	0.000	420625.960	4576893.174	193.939652	228.060	296.058654	153.287216	297.727	55.406218	12.179
RECTA	300.000	184.048825	0.000	420630.918	4576873.799	193.144670	247.838	295.263672	155.162067	315.574	57.281069	12.002
RECTA	320.000	184.048825	0.000	420635.877	4576854.423	192.467283	267.649	294.586286	156.834932	333.665	58.953934	11.710
RECTA	340.000	184.048825	0.000	420640.836	4576835.048	191.883322	287.487	294.002324	158.334806	351.963	60.453809	11.480
CLOT.	347.881	184.048825	0.000	420642.790	4576827.413	191.674777	295.309	293.793779	158.883714	359.223	61.002716	11.415
CLOT.	360.000	183.956474	0.000	420645.801	4576815.674	191.373579	307.345	293.492581	159.684836	370.440	61.803838	11.348
CLOT.	380.000	183.400163	0.000	420650.860	4576796.324	190.906907	327.209	293.025909	160.891195	389.101	63.010197	11.334
CLOT.	400.000	182.340844	0.000	420656.164	4576777.040	190.447421	347.060	292.566424	161.949377	407.972	64.068379	11.349
CLOT.	420.000	180.778517	0.000	420661.864	4576757.870	189.966757	366.878	292.085759	162.855166	427.070	64.974168	11.493
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	189.609983	380.549	291.728985	163.390488	440.411	65.509490	11.675
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	189.609983	380.549	291.728985	163.390488	440.411	65.509490	11.675

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 11 : Ramal-4. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 54.687 Dis= -35.290
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 183.776 Dis=-100.599

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	341.557457	68.410	187.326551	350.168600	212.159	395.937694	11.826
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	341.557457	68.410	187.326550	350.168600	212.159	395.937694	11.826
CLOT.	5.892	161.943972	0.000	420553.487	4577157.053	339.957158	62.755	185.726251	349.922457	206.326	395.691551	11.784
CLOT.	20.000	174.378921	0.000	420560.160	4577144.648	332.210930	50.443	177.980023	348.578994	192.884	394.348087	11.617
CLOT.	40.000	183.321406	0.000	420566.424	4577125.672	309.137660	38.251	154.906754	345.173170	175.492	390.942264	11.334
RECTA	47.559	184.048825	0.000	420568.326	4577118.357	296.738303	36.003	142.507397	343.552492	169.338	389.321585	11.246
RECTA	60.000	184.048825	0.000	420571.411	4577106.304	274.536527	35.688	120.305621	340.601388	159.501	386.370482	11.132
RECTA	80.000	184.048825	0.000	420576.370	4577086.929	244.436766	43.429	90.205860	335.038131	144.532	380.807225	11.026
RECTA	100.000	184.048825	0.000	420581.329	4577067.553	226.173185	57.434	71.942279	328.255870	130.914	374.024964	11.015
RECTA	120.000	184.048825	0.000	420586.288	4577048.178	215.586013	74.237	61.355107	320.018731	119.112	365.787825	11.098
RECTA	140.000	184.048825	0.000	420591.247	4577028.802	209.018504	92.323	54.787598	310.177904	109.711	355.946998	11.266
RECTA	160.000	184.048825	0.000	420596.206	4577009.427	204.633155	111.068	50.402249	298.823568	103.371	344.592661	11.446
RECTA	180.000	184.048825	0.000	420601.165	4576990.051	201.524461	130.187	47.293554	286.437019	100.670	332.206112	11.626
RECTA	200.000	184.048825	0.000	420606.124	4576970.676	199.215890	149.536	44.984984	273.869259	101.899	319.638353	11.806
RECTA	220.000	184.048825	0.000	420611.083	4576951.300	197.438065	169.037	43.207159	262.045256	106.923	307.814349	11.986
RECTA	240.000	184.048825	0.000	420616.042	4576931.925	196.028859	188.643	41.797953	251.603762	115.245	297.372855	12.158
RECTA	260.000	184.048825	0.000	420621.001	4576912.550	194.885436	208.323	40.654530	242.769613	126.216	288.538707	12.231
RECTA	280.000	184.048825	0.000	420625.960	4576893.174	193.939652	228.060	39.708746	235.463672	139.210	281.232766	12.179
RECTA	300.000	184.048825	0.000	420630.918	4576873.799	193.144670	247.838	38.913764	229.469061	153.715	275.238155	12.002
RECTA	320.000	184.048825	0.000	420635.877	4576854.423	192.467283	267.649	38.236377	224.543532	169.344	270.312626	11.710
RECTA	340.000	184.048825	0.000	420640.836	4576835.048	191.883322	287.487	37.652416	220.470127	185.813	266.239221	11.480
CLOT.	347.881	184.048825	0.000	420642.790	4576827.413	191.674777	295.309	37.443870	219.058889	192.486	264.827983	11.415
CLOT.	360.000	183.956474	0.000	420645.801	4576815.674	191.373579	307.345	37.142673	217.069786	202.914	262.838879	11.348
CLOT.	380.000	183.400163	0.000	420650.860	4576796.324	190.906907	327.209	36.676001	214.179827	220.459	259.948921	11.334
CLOT.	400.000	182.340844	0.000	420656.164	4576777.040	190.447421	347.060	36.216515	211.659035	238.281	257.428129	11.349
CLOT.	420.000	180.778517	0.000	420661.864	4576757.870	189.966757	366.878	35.735851	209.398902	256.254	255.167996	11.493
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	189.609983	380.549	35.379076	207.943926	268.718	253.713020	11.675
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	189.609983	380.549	35.379076	207.943926	268.718	253.713020	11.675

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 11 : Ramal-4. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507   X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 183.776 Dis=-100.599
Distancia: 144.669 Azimut: 354.230906
BO : BR505   X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 54.687 Dis= -35.290

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	350.168600	212.159	395.937694	341.557457	68.410	187.326551	11.826
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	350.168600	212.159	395.937694	341.557457	68.410	187.326550	11.826
CLOT.	5.892	161.943972	0.000	420553.487	4577157.053	349.922457	206.326	395.691551	339.957158	62.755	185.726251	11.784
CLOT.	20.000	174.378921	0.000	420560.160	4577144.648	348.578994	192.884	394.348087	332.210930	50.443	177.980023	11.617
CLOT.	40.000	183.321406	0.000	420566.424	4577125.672	345.173170	175.492	390.942264	309.137660	38.251	154.906754	11.334
RECTA	47.559	184.048825	0.000	420568.326	4577118.357	343.552492	169.338	389.321585	296.738303	36.003	142.507397	11.246
RECTA	60.000	184.048825	0.000	420571.411	4577106.304	340.601388	159.501	386.370482	274.536527	35.688	120.305621	11.132
RECTA	80.000	184.048825	0.000	420576.370	4577086.929	335.038131	144.532	380.807225	244.436766	43.429	90.205860	11.026
RECTA	100.000	184.048825	0.000	420581.329	4577067.553	328.255870	130.914	374.024964	226.173185	57.434	71.942279	11.015
RECTA	120.000	184.048825	0.000	420586.288	4577048.178	320.018731	119.112	365.787825	215.586013	74.237	61.355107	11.098
RECTA	140.000	184.048825	0.000	420591.247	4577028.802	310.177904	109.711	355.946998	209.018504	92.323	54.787598	11.266
RECTA	160.000	184.048825	0.000	420596.206	4577009.427	298.823568	103.371	344.592661	204.633155	111.068	50.402249	11.446
RECTA	180.000	184.048825	0.000	420601.165	4576990.051	286.437019	100.670	332.206112	201.524461	130.187	47.293554	11.626
RECTA	200.000	184.048825	0.000	420606.124	4576970.676	273.869259	101.899	319.638353	199.215890	149.536	44.984984	11.806
RECTA	220.000	184.048825	0.000	420611.083	4576951.300	262.045256	106.923	307.814349	197.438065	169.037	43.207159	11.986
RECTA	240.000	184.048825	0.000	420616.042	4576931.925	251.603762	115.245	297.372855	196.028859	188.643	41.797953	12.158
RECTA	260.000	184.048825	0.000	420621.001	4576912.550	242.769613	126.216	288.538707	194.885436	208.323	40.654530	12.231
RECTA	280.000	184.048825	0.000	420625.960	4576893.174	235.463672	139.210	281.232766	193.939652	228.060	39.708746	12.179
RECTA	300.000	184.048825	0.000	420630.918	4576873.799	229.469061	153.715	275.238155	193.144670	247.838	38.913764	12.002
RECTA	320.000	184.048825	0.000	420635.877	4576854.423	224.543532	169.344	270.312626	192.467283	267.649	38.236377	11.710
RECTA	340.000	184.048825	0.000	420640.836	4576835.048	220.470127	185.813	266.239221	191.883322	287.487	37.652416	11.480
CLOT.	347.881	184.048825	0.000	420642.790	4576827.413	219.058889	192.486	264.827983	191.674777	295.309	37.443870	11.415
CLOT.	360.000	183.956474	0.000	420645.801	4576815.674	217.069786	202.914	262.838879	191.373579	307.345	37.142673	11.348
CLOT.	380.000	183.400163	0.000	420650.860	4576796.324	214.179827	220.459	259.948921	190.906907	327.209	36.676001	11.334
CLOT.	400.000	182.340844	0.000	420656.164	4576777.040	211.659035	238.281	257.428129	190.447421	347.060	36.216515	11.349
CLOT.	420.000	180.778517	0.000	420661.864	4576757.870	209.398902	256.254	255.167996	189.966757	366.878	35.735851	11.493
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	207.943926	268.718	253.713020	189.609983	380.549	35.379076	11.675
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	207.943926	268.718	253.713020	189.609983	380.549	35.379076	11.675

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 11 : Ramal-4. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507   X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 183.776 Dis=-100.599
Distancia: 195.516 Azimut: 182.663335
BO : BR508   X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 380.335 Dis=-104.747

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	350.168600	212.159	167.505265	365.737917	394.493	383.074582	11.826
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	350.168600	212.159	167.505265	365.737917	394.493	383.074582	11.826
CLOT.	5.892	161.943972	0.000	420553.487	4577157.053	349.922457	206.326	167.259122	365.842572	388.639	383.179238	11.784
CLOT.	20.000	174.378921	0.000	420560.160	4577144.648	348.578994	192.884	165.915659	365.739509	374.567	383.076174	11.617
CLOT.	40.000	183.321406	0.000	420566.424	4577125.672	345.173170	175.492	162.509835	364.960161	355.088	382.296826	11.334
RECTA	47.559	184.048825	0.000	420568.326	4577118.357	343.552492	169.338	160.889157	364.556620	347.866	381.893285	11.246
RECTA	60.000	184.048825	0.000	420571.411	4577106.304	340.601388	159.501	157.938053	363.846119	336.024	381.182784	11.132
RECTA	80.000	184.048825	0.000	420576.370	4577086.929	335.038131	144.532	152.374797	362.593037	317.084	379.929702	11.026
RECTA	100.000	184.048825	0.000	420581.329	4577067.553	328.255870	130.914	145.592536	361.181379	298.282	378.518044	11.015
RECTA	120.000	184.048825	0.000	420586.288	4577048.178	320.018731	119.112	137.355396	359.580704	279.647	376.917369	11.098
RECTA	140.000	184.048825	0.000	420591.247	4577028.802	310.177904	109.711	127.514570	357.752821	261.214	375.089486	11.266
RECTA	160.000	184.048825	0.000	420596.206	4577009.427	298.823568	103.371	116.160233	355.649426	243.029	372.986092	11.446
RECTA	180.000	184.048825	0.000	420601.165	4576990.051	286.437019	100.670	103.773684	353.208976	225.151	370.545641	11.626
RECTA	200.000	184.048825	0.000	420606.124	4576970.676	273.869259	101.899	91.205924	350.352629	207.661	367.689295	11.806
RECTA	220.000	184.048825	0.000	420611.083	4576951.300	262.045256	106.923	79.381921	346.979213	190.666	364.315878	11.986
RECTA	240.000	184.048825	0.000	420616.042	4576931.925	251.603762	115.245	68.940427	342.959536	174.309	360.296201	12.158
RECTA	260.000	184.048825	0.000	420621.001	4576912.550	242.769613	126.216	60.106278	338.131480	158.789	355.468145	12.231
RECTA	280.000	184.048825	0.000	420625.960	4576893.174	235.463672	139.210	52.800338	332.299812	144.375	349.636478	12.179
RECTA	300.000	184.048825	0.000	420630.918	4576873.799	229.469061	153.715	46.805727	325.249739	131.431	342.586405	12.002
RECTA	320.000	184.048825	0.000	420635.877	4576854.423	224.543532	169.344	41.880197	316.790618	120.434	334.127283	11.710
RECTA	340.000	184.048825	0.000	420640.836	4576835.048	220.470127	185.813	37.806792	306.848994	111.958	324.185659	11.480
CLOT.	347.881	184.048825	0.000	420642.790	4576827.413	219.058889	192.486	36.395554	302.552560	109.445	319.889225	11.415
CLOT.	360.000	183.956474	0.000	420645.801	4576815.674	217.069786	202.914	34.406451	295.605633	106.600	312.942298	11.348
CLOT.	380.000	183.400163	0.000	420650.860	4576796.324	214.179827	220.459	31.516492	283.590395	104.748	300.927060	11.334
CLOT.	400.000	182.340844	0.000	420656.164	4576777.040	211.659035	238.281	28.995700	271.556572	106.431	288.893237	11.349
CLOT.	420.000	180.778517	0.000	420661.864	4576757.870	209.398902	256.254	26.735567	260.203128	111.339	277.539793	11.493
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	207.943926	268.718	25.280591	252.986298	116.341	270.322963	11.675
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	207.943926	268.718	25.280591	252.986298	116.341	270.322963	11.675

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 11 : Ramal-4. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508   X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 380.335 Dis=-104.747
Distancia: 195.516 Azimut: 382.663335
BO : BR507   X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 183.776 Dis=-100.599

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	365.737917	394.493	383.074582	350.168600	212.159	167.505265	11.826
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	365.737917	394.493	383.074582	350.168600	212.159	167.505265	11.826
CLOT.	5.892	161.943972	0.000	420553.487	4577157.053	365.842572	388.639	383.179238	349.922457	206.326	167.259122	11.784
CLOT.	20.000	174.378921	0.000	420560.160	4577144.648	365.739509	374.567	383.076174	348.578994	192.884	165.915659	11.617
CLOT.	40.000	183.321406	0.000	420566.424	4577125.672	364.960161	355.088	382.296826	345.173170	175.492	162.509835	11.334
RECTA	47.559	184.048825	0.000	420568.326	4577118.357	364.556620	347.866	381.893285	343.552492	169.338	160.889157	11.246
RECTA	60.000	184.048825	0.000	420571.411	4577106.304	363.846119	336.024	381.182784	340.601388	159.501	157.938053	11.132
RECTA	80.000	184.048825	0.000	420576.370	4577086.929	362.593037	317.084	379.929702	335.038131	144.532	152.374797	11.026
RECTA	100.000	184.048825	0.000	420581.329	4577067.553	361.181379	298.282	378.518044	328.255870	130.914	145.592536	11.015
RECTA	120.000	184.048825	0.000	420586.288	4577048.178	359.580704	279.647	376.917369	320.018731	119.112	137.355396	11.098
RECTA	140.000	184.048825	0.000	420591.247	4577028.802	357.752821	261.214	375.089486	310.177904	109.711	127.514570	11.266
RECTA	160.000	184.048825	0.000	420596.206	4577009.427	355.649426	243.029	372.986092	298.823568	103.371	116.160233	11.446
RECTA	180.000	184.048825	0.000	420601.165	4576990.051	353.208976	225.151	370.545641	286.437019	100.670	103.773684	11.626
RECTA	200.000	184.048825	0.000	420606.124	4576970.676	350.352629	207.661	367.689295	273.869259	101.899	91.205924	11.806
RECTA	220.000	184.048825	0.000	420611.083	4576951.300	346.979213	190.666	364.315878	262.045256	106.923	79.381921	11.986
RECTA	240.000	184.048825	0.000	420616.042	4576931.925	342.959536	174.309	360.296201	251.603762	115.245	68.940427	12.158
RECTA	260.000	184.048825	0.000	420621.001	4576912.550	338.131480	158.789	355.468145	242.769613	126.216	60.106278	12.231
RECTA	280.000	184.048825	0.000	420625.960	4576893.174	332.299812	144.375	349.636478	235.463672	139.210	52.800338	12.179
RECTA	300.000	184.048825	0.000	420630.918	4576873.799	325.249739	131.431	342.586405	229.469061	153.715	46.805727	12.002
RECTA	320.000	184.048825	0.000	420635.877	4576854.423	316.790618	120.434	334.127283	224.543532	169.344	41.880197	11.710
RECTA	340.000	184.048825	0.000	420640.836	4576835.048	306.848994	111.958	324.185659	220.470127	185.813	37.806792	11.480
CLOT.	347.881	184.048825	0.000	420642.790	4576827.413	302.552560	109.445	319.889225	219.058889	192.486	36.395554	11.415
CLOT.	360.000	183.956474	0.000	420645.801	4576815.674	295.605633	106.600	312.942298	217.069786	202.914	34.406451	11.348
CLOT.	380.000	183.400163	0.000	420650.860	4576796.324	283.590395	104.748	300.927060	214.179827	220.459	31.516492	11.334
CLOT.	400.000	182.340844	0.000	420656.164	4576777.040	271.556572	106.431	288.893237	211.659035	238.281	28.995700	11.349
CLOT.	420.000	180.778517	0.000	420661.864	4576757.870	260.203128	111.339	277.539793	209.398902	256.254	26.735567	11.493
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	252.986298	116.341	270.322963	207.943926	268.718	25.280591	11.675
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	252.986298	116.341	270.322963	207.943926	268.718	25.280591	11.675

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 11 : Ramal-4. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508   X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 380.335 Dis=-104.747
Distancia: 229.295 Azimut: 172.156102
BO : BR509   X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 433.831 Dis=-224.249

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	365.737917	394.493	193.581815	368.096474	623.051	395.940373	11.826
CIRC.	0.000	155.692512	0.000	420549.938	4577161.753	365.737917	394.493	193.581815	368.096474	623.051	395.940373	11.826
CLOT.	5.892	161.943972	0.000	420553.487	4577157.053	365.842572	388.639	193.686471	368.184693	617.225	396.028592	11.784
CLOT.	20.000	174.378921	0.000	420560.160	4577144.648	365.739509	374.567	193.583407	368.175366	603.139	396.019264	11.617
CLOT.	40.000	183.321406	0.000	420566.424	4577125.672	364.960161	355.088	192.804059	367.782850	583.494	395.626748	11.334
RECTA	47.559	184.048825	0.000	420568.326	4577118.357	364.556620	347.866	192.400518	367.574860	576.176	395.418758	11.246
RECTA	60.000	184.048825	0.000	420571.411	4577106.304	363.846119	336.024	191.690017	367.215596	564.158	395.059494	11.132
RECTA	80.000	184.048825	0.000	420576.370	4577086.929	362.593037	317.084	190.436935	366.604890	544.878	394.448788	11.026
RECTA	100.000	184.048825	0.000	420581.329	4577067.553	361.181379	298.282	189.025278	365.949446	525.652	393.793345	11.015
RECTA	120.000	184.048825	0.000	420586.288	4577048.178	359.580704	279.647	187.424602	365.244317	506.486	393.088216	11.098
RECTA	140.000	184.048825	0.000	420591.247	4577028.802	357.752821	261.214	185.596719	364.483825	487.387	392.327724	11.266

RECTA	160.000	184.048825	0.000	420596.206	4577009.427	355.649426	243.029	183.493325	363.661429	468.363	391.505328	11.446
RECTA	180.000	184.048825	0.000	420601.165	4576990.051	353.208976	225.151	181.052874	362.769561	449.424	390.613460	11.626
RECTA	200.000	184.048825	0.000	420606.124	4576970.676	350.352629	207.661	178.196528	361.799428	430.581	389.643327	11.806
RECTA	220.000	184.048825	0.000	420611.083	4576951.300	346.979213	190.666	174.823112	360.740772	411.847	388.584671	11.986
RECTA	240.000	184.048825	0.000	420616.042	4576931.925	342.959536	174.309	170.803435	359.581572	393.238	387.425471	12.158
RECTA	260.000	184.048825	0.000	420621.001	4576912.550	338.131480	158.789	165.975378	358.307680	374.772	386.151579	12.231
RECTA	280.000	184.048825	0.000	420625.960	4576893.174	332.299812	144.375	160.143711	356.902380	356.471	384.746278	12.179
RECTA	300.000	184.048825	0.000	420630.918	4576873.799	325.249739	131.431	153.093638	355.345838	338.363	383.189736	12.002
RECTA	320.000	184.048825	0.000	420635.877	4576854.423	316.790618	120.434	144.634516	353.614451	320.481	381.458350	11.710
RECTA	340.000	184.048825	0.000	420640.836	4576835.048	306.848994	111.958	134.692892	351.680057	302.863	379.523955	11.480
CLOT.	347.881	184.048825	0.000	420642.790	4576827.413	302.552560	109.445	130.396458	350.854917	296.004	378.698816	11.415
CLOT.	360.000	183.956474	0.000	420645.801	4576815.674	295.605633	106.600	123.449531	349.510130	285.556	377.354029	11.348
CLOT.	380.000	183.400163	0.000	420650.860	4576796.324	283.590395	104.748	111.434293	347.082824	268.570	374.926723	11.334
CLOT.	400.000	182.340844	0.000	420656.164	4576777.040	271.556572	106.431	99.400471	344.384916	251.881	372.228815	11.349
CLOT.	420.000	180.778517	0.000	420661.864	4576757.870	260.203128	111.339	88.047027	341.399733	235.461	369.243632	11.493
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	252.986298	116.341	80.830197	339.156079	224.249	366.999977	11.675
CIRC.	433.831	179.403837	0.000	420666.115	4576744.709	252.986298	116.341	80.830197	339.156079	224.249	366.999977	11.675

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 12 : Ramal-3. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 71.209 Dis= 15.828
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 266.445

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	223.778797	0.000	420616.179	4577640.885	37.702958	72.946	17.107842	215.963465	266.445	395.368349	16.928
RECTA	20.000	223.778797	0.000	420608.881	4577622.264	42.862969	53.599	22.267852	216.508047	286.305	395.912930	17.249
RECTA	40.000	223.778797	0.000	420601.583	4577603.643	53.659487	34.993	33.064370	216.981948	306.183	396.386832	17.571
RECTA	60.000	223.778797	0.000	420594.286	4577585.022	84.551883	19.395	63.956767	217.398047	326.076	396.802931	17.902
RECTA	80.000	223.778797	0.000	420586.988	4577566.401	156.055914	18.106	135.460797	217.766281	345.981	397.171165	18.257
RECTA	100.000	223.778797	0.000	420579.690	4577547.780	191.779248	32.855	171.184131	218.094440	365.897	397.499323	18.657
CLOT.	114.126	223.778797	0.000	420574.535	4577534.628	201.285504	45.743	180.690388	218.305486	379.969	397.710370	18.986
CLOT.	120.000	223.735896	0.000	420572.393	4577529.159	203.807149	51.295	183.212033	218.388495	385.822	397.793379	19.136
CLOT.	140.000	222.946391	0.000	420565.199	4577510.498	209.282458	70.614	188.687341	218.636437	405.762	398.041321	19.524
CLOT.	160.000	221.162167	0.000	420558.384	4577491.695	212.111228	90.296	191.516112	218.800806	425.732	398.205690	19.627
CLOT.	180.000	218.383224	0.000	420552.248	4577472.662	213.513617	110.173	192.918500	218.848129	445.728	398.253012	19.444
CIRC.	187.269	217.126770	0.000	420550.245	4577465.674	213.776643	117.427	193.181527	218.830765	452.996	398.235648	19.307
CIRC.	200.000	214.811094	0.000	420547.085	4577453.342	213.991036	130.150	193.395919	218.752562	465.714	398.157446	18.975
CIRC.	220.000	211.173267	0.000	420543.033	4577433.760	213.858008	150.146	193.262891	218.515686	485.633	397.920569	18.221
CIRC.	240.000	207.535440	0.000	420540.105	4577413.978	213.328981	170.099	192.733864	218.154468	505.431	397.559351	17.284
CIRC.	260.000	203.897613	0.000	420538.312	4577394.061	212.529532	189.968	191.934415	217.683766	525.063	397.088649	16.344
CIRC.	280.000	200.259785	0.000	420537.659	4577374.075	211.537461	209.722	190.942344	217.116353	544.484	396.521236	15.404
CLOT.	284.739	199.397728	0.000	420537.672	4577369.335	211.280073	214.383	190.684956	216.968954	549.051	396.373838	15.181
CLOT.	300.000	196.911528	0.000	420538.125	4577354.082	210.409743	229.339	189.814626	216.465736	563.663	395.870619	14.464
CLOT.	320.000	194.530059	0.000	420539.495	4577334.130	209.233133	248.844	188.638016	215.763498	582.637	395.168381	13.524
CLOT.	340.000	193.143309	0.000	420541.454	4577314.227	208.090542	268.299	187.495425	215.046151	601.491	394.451034	12.632
CLOT.	357.882	192.745701	0.000	420543.450	4577296.457	207.147404	285.704	186.552287	214.417918	618.330	393.822801	12.171
CLOT.	360.000	192.834924	0.000	420543.690	4577294.352	207.042534	287.769	186.447418	214.345447	620.327	393.750331	12.142
CLOT.	380.000	202.477913	0.000	420544.841	4577274.406	206.349687	307.485	185.754570	213.790083	639.537	393.194967	12.125
CIRC.	397.882	224.576690	0.000	420541.380	4577256.953	206.683745	325.199	186.088629	213.754216	657.325	393.159099	12.270
CIRC.	400.000	227.947174	0.000	420540.531	4577255.014	206.808452	327.218	186.213335	213.794123	659.402	393.199006	12.272
CIRC.	401.635	230.549524	0.000	420539.806	4577253.548	206.917756	328.753	186.322639	213.831975	660.989	393.236859	12.273

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 12 : Ramal-3. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 71.209 Dis= 15.828
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 401.635 Dis=-148.117

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	223.778797	0.000	420616.179	4577640.885	37.702958	72.946	241.685337	1.454350	520.820	5.436728	16.928
RECTA	20.000	223.778797	0.000	420608.881	4577622.264	42.862969	53.599	246.845347	0.583166	502.084	4.565544	17.249
RECTA	40.000	223.778797	0.000	420601.583	4577603.643	53.659487	34.993	257.641865	399.644635	483.450	3.627013	17.571
RECTA	60.000	223.778797	0.000	420594.286	4577585.022	84.551883	19.395	288.534261	398.631094	464.929	2.613472	17.902
RECTA	80.000	223.778797	0.000	420586.988	4577566.401	156.055914	18.106	360.038292	397.533756	446.535	1.516134	18.257
RECTA	100.000	223.778797	0.000	420579.690	4577547.780	191.779248	32.855	395.761626	396.342524	428.286	0.324902	18.657
CLOT.	114.126	223.778797	0.000	420574.535	4577534.628	201.285504	45.743	5.267882	395.438316	415.493	399.420694	18.986
CLOT.	120.000	223.735896	0.000	420572.393	4577529.159	203.807149	51.295	7.789527	395.045942	410.199	399.028320	19.136
CLOT.	140.000	222.946391	0.000	420565.199	4577510.498	209.282458	70.614	13.264836	393.646338	392.248	397.628716	19.524
CLOT.	160.000	221.162167	0.000	420558.384	4577491.695	212.111228	90.296	16.093607	392.174287	374.319	396.156665	19.627
CLOT.	180.000	218.383224	0.000	420552.248	4577472.662	213.513617	110.173	17.495995	390.668867	356.281	394.651245	19.444
CIRC.	187.269	217.126770	0.000	420550.245	4577465.674	213.776643	117.427	17.759022	390.122438	349.673	394.104817	19.307
CIRC.	200.000	214.811094	0.000	420547.085	4577453.342	213.991036	130.150	17.973414	389.175491	338.015	393.157869	18.975
CIRC.	220.000	211.173267	0.000	420543.033	4577433.760	213.858008	150.146	17.840386	387.719155	319.485	391.701533	18.221
CIRC.	240.000	207.535440	0.000	420540.105	4577413.978	213.328981	170.099	17.311359	386.307806	300.705	390.290184	17.284
CIRC.	260.000	203.897613	0.000	420538.312	4577394.061	212.529532	189.968	16.511910	384.951136	281.694	388.933514	16.344
CIRC.	280.000	200.259785	0.000	420537.659	4577374.075	211.537461	209.722	15.519839	383.661804	262.470	387.644182	15.404
CLOT.	284.739	199.397728	0.000	420537.672	4577369.335	211.280073	214.383	15.262451	383.367873	257.885	387.350251	15.181
CLOT.	300.000	196.911528	0.000	420538.125	4577354.082	210.409743	229.339	14.392121	382.450775	243.058	386.433153	14.464
CLOT.	320.000	194.530059	0.000	420539.495	4577334.130	209.233133	248.844	13.215511	381.279271	223.525	385.261649	13.524
CLOT.	340.000	193.143309	0.000	420541.454	4577314.227	208.090542	268.299	12.072920	380.063712	203.945	384.046090	12.632
CLOT.	357.882	192.745701	0.000	420543.450	4577296.457	207.147404	285.704	11.129782	378.842944	186.458	382.825322	12.171
CLOT.	360.000	192.834924	0.000	420543.690	4577294.352	207.042534	287.769	11.024912	378.684203	184.391	382.666581	12.142
CLOT.	380.000	202.477913	0.000	420544.841	4577274.406	206.349687	307.485	10.332065	376.577746	165.264	380.560124	12.125
CIRC.	397.882	224.576690	0.000	420541.380	4577256.953	206.683745	325.199	10.666123	372.554324	150.526	376.536702	12.270
CIRC.	400.000	227.947174	0.000	420540.531	4577255.014	206.808452	327.218	10.790830	371.878997	149.126	375.861375	12.272
CIRC.	401.635	230.549524	0.000	420539.806	4577253.548	206.917756	328.753	10.900134	371.328016	148.117	375.310394	12.273

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 12 : Ramal-3. Nudo Sant Boi-Cornella

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 401.635 Dis=-148.117
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 401.635 Dis= 179.484

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	223.778797	0.000	420616.179	4577640.885	1.454350	520.820	103.573352	22.001062	559.693	324.120064	16.928
RECTA	20.000	223.778797	0.000	420608.881	4577622.264	0.583166	502.084	102.702168	21.935192	539.701	324.054194	17.249
RECTA	40.000	223.778797	0.000	420601.583	4577603.643	399.644635	483.450	101.763637	21.864254	519.710	323.983256	17.571
RECTA	60.000	223.778797	0.000	420594.286	4577585.022	398.631094	464.929	100.750096	21.787641	499.719	323.906643	17.902
RECTA	80.000	223.778797	0.000	420586.988	4577566.401	397.533756	446.535	99.652758	21.704643	479.729	323.823645	18.257
RECTA	100.000	223.778797	0.000	420579.690	4577547.780	396.342524	428.286	98.461526	21.614427	459.740	323.733429	18.657
CLOT.	114.126	223.778797	0.000	420574.535	4577534.628	395.438316	415.493	97.557318	21.545831	445.623	323.664833	18.986
CLOT.	120.000	223.735896	0.000	420572.393	4577529.159	395.045942	410.199	97.164944	21.516201	439.753	323.635203	19.136
CLOT.	140.000	222.946391	0.000	420565.199	4577510.498	393.646338	392.248	95.765340	21.425314	419.762	323.544317	19.524
CLOT.	160.000	221.162167	0.000	420558.384	4577491.695	392.174287	374.319	94.293289	21.389702	399.764	323.508705	19.627
CLOT.	180.000	218.383224	0.000	420552.248	4577472.662	390.668867	356.281	92.787869	21.470479	379.772	323.589482	19.444
CIRC.	187.269	217.126770	0.000	420550.245	4577465.674	390.122438	349.673	92.241441	21.542724	372.516	323.661726	19.307
CIRC.	200.000	214.811094	0.000	420547.085	4577453.342	389.175491	338.015	91.294493	21.739664	359.836	323.858666	18.975
CIRC.	220.000	211.173267	0.000	420543.033	4577433.760	387.719155	319.485	89.838157	22.252483	340.038	324.371485	18.221
CIRC.	240.000	207.535440	0.000	420540.105	4577413.978	386.307806	300.705	88.426808	23.051839	320.475	325.170841	17.284
CIRC.	260.000	203.897613	0.000	420538.312	4577394.061	384.951136	281.694	87.070138	24.188419	301.262	326.307422	16.344
CIRC.	280.000	200.259785	0.000	420537.659	4577374.075	383.661804	262.470	85.780806	25.722149	282.541	327.841151	15.404
CLOT.	284.739	199.397728	0.000	420537.672	4577369.335	383.367873	257.885	85.486875	26.151214	278.195	328.270216	15.181
CLOT.	300.000	196.911528	0.000	420538.125	4577354.082	382.450775	243.058	84.569777	27.717685	264.472	329.836687	14.464
CLOT.	320.000	194.530059	0.000	420539.495	4577334.130	381.279271	223.525	83.398273	30.205697	247.148	332.324699	13.524
CLOT.	340.000	193.143309	0.000	420541.454	4577314.227	380.063712	203.945	82.182714	33.198377	230.593	335.317380	12.632
CLOT.	357.882	192.745701	0.000	420543.450	4577296.457	378.842944	186.458	80.961946	36.312611	216.438	338.431614	12.171
CLOT.	360.000	192.834924	0.000	420543.690	4577294.352	378.684203	184.391	80.803205	36.709167	214.800	338.828169	12.142
CLOT.	380.000	202.477913	0.000	420544.841	4577274.406	376.577746	165.264	78.696748	40.498051	199.059	342.617053	12.125
CIRC.	397.882	224.576690	0.000	420541.380	4577256.953	372.554324	150.526	74.673326	43.135348	183.121	345.254350	12.270
CIRC.	400.000	227.947174	0.000	420540.531	4577255.014	371.878997	149.126	73.997999	43.330360	181.078	345.449362	12.272
CIRC.	401.635	230.549524	0.000	420539.806	4577253.548	371.328016	148.117	73.447018	43.457596	179.484	345.576598	12.273

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 1 : NUDO SANT BOI-CORNELLA
EJE : 39 : Conexión glor eliptica - acceso Pacadar

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      98.437 Dis=-102.965
                                                                      Distancia:   144.669  Azimut: 154.230906
 BO : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:       0.000 Dis=-174.709
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	328.793355	0.000	420763.850	4577173.787	79.374405	168.325	325.143498	23.990540	174.709	69.759634	11.120
RECTA	20.000	328.793355	0.000	420745.860	4577182.527	73.599723	154.690	319.368817	16.816186	177.341	62.585279	11.128
CIRC.	30.827	328.793355	0.000	420736.123	4577187.259	70.045423	147.914	315.814517	13.045779	179.681	58.814873	11.225
CIRC.	40.000	323.484242	0.000	420727.714	4577190.919	66.877998	142.255	312.647092	9.900358	181.776	55.669451	11.296
CIRC.	60.000	311.909337	0.000	420708.508	4577196.400	59.810855	129.110	305.579949	3.076150	185.279	48.845244	11.309
RECTA	75.369	303.014490	0.000	420693.257	4577198.196	54.180459	118.320	299.949553	397.853712	186.965	43.622806	11.195
RECTA	80.000	303.014490	0.000	420688.631	4577198.415	52.401523	115.031	298.170617	396.285554	187.397	42.054648	11.181
RECTA	98.437	303.014490	0.000	420670.215	4577199.288	44.241305	102.965	290.010398	390.140210	190.228	35.909303	11.381
RECTA	98.437	303.014490	0.000	420670.215	4577199.288	44.241305	102.965	290.010398	390.140210	190.228	35.909303	11.381

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :   40 : Deflectora 01
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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      45.107 Dis=-153.600
                                                                      Distancia:   144.669  Azimut: 154.230906
 BO : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:      33.835 Dis=-184.654
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	229.757917	0.000	420776.052	4577204.529	70.946671	191.353	316.715765	24.000857	207.784	69.769951	11.086
CLOT.	0.415	229.747368	0.000	420775.865	4577204.158	71.030017	191.023	316.799111	23.989367	207.371	69.758461	11.088
CIRC.	11.665	247.652299	0.000	420769.901	4577194.666	73.100636	181.590	318.869729	23.323888	196.361	69.092982	11.128
CIRC.	20.000	274.183957	0.000	420763.137	4577189.899	73.678232	173.473	319.447325	21.776208	189.543	67.545302	11.124
CLOT.	31.531	310.888424	0.000	420751.843	4577188.569	72.378687	162.630	318.147780	18.262554	184.783	64.031648	11.123
CLOT.	40.000	327.699185	0.000	420743.854	4577191.302	70.005144	156.639	315.774237	15.363821	185.336	61.132915	11.180
RECTA	42.781	328.793355	0.000	420741.346	4577192.503	69.097736	154.965	314.866830	14.431523	185.923	60.200617	11.204
RECTA	45.107	328.793355	0.000	420739.253	4577193.520	68.320391	153.600	314.089485	13.657350	186.457	59.426444	11.224

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :   41 : Deflectora 02
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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      19.117 Dis=-113.771
                                                                      Distancia:   144.669  Azimut: 154.230906
 BO : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:       0.000 Dis=-193.943
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	303.014490	0.000	420693.588	4577205.188	51.577290	123.282	297.346384	398.039742	193.943	43.808836	11.195
CLOT.	6.183	303.014490	0.000	420687.412	4577205.481	49.187636	119.094	294.956730	396.022193	194.523	41.791287	11.183
CIRC.	12.634	316.263601	0.000	420681.017	4577206.230	46.368679	115.279	292.137772	393.961445	195.773	39.730538	11.221
CIRC.	20.000	346.516612	0.000	420674.590	4577209.684	42.396642	113.800	288.165736	392.027679	199.913	37.796773	11.326
CLOT.	27.034	375.407971	0.000	420670.576	4577215.388	38.728696	115.997	284.497789	391.017655	206.099	36.786749	11.435
CIRC.	33.486	388.657082	0.000	420668.998	4577221.631	36.155149	120.317	281.924243	390.812738	212.503	36.581832	11.488
CIRC.	33.486	388.657082	0.000	420668.998	4577221.631	36.155149	120.317	281.924243	390.812738	212.503	36.581832	11.488

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :   42 : Deflectora 03
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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis= -80.238
                                                                      Distancia:   144.669  Azimut: 154.230906
 BO : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:       0.000 Dis= 165.694
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	23.248655	0.000	420664.463	4577173.271	53.992159	80.238	299.761253	386.412753	165.694	32.181847	11.295
CIRC.	11.250	41.153587	0.000	420669.429	4577183.322	51.005448	90.710	296.774541	388.959045	174.604	34.728138	11.316
CIRC.	20.000	69.005702	0.000	420676.036	4577188.951	51.361089	99.374	297.130182	391.617632	179.165	37.386725	11.264
CLOT.	25.059	85.109559	0.000	420680.758	4577190.730	52.573895	104.033	298.342989	393.352306	180.376	39.121400	11.213
RECTA	36.309	103.014490	0.000	420691.957	4577191.250	56.644252	112.848	302.413346	397.311467	180.073	43.080561	11.193
RECTA	37.279	103.014490	0.000	420692.925	4577191.204	57.006191	113.574	302.775285	397.653185	179.989	43.422279	11.197

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :   43 : Deflectora 04
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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis= 142.446
                                                                      Distancia:   144.669  Azimut: 154.230906
 BO : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:      44.795 Dis=-142.144
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	128.793355	0.000	420733.135	4577180.928	71.962373	142.446	317.731467	12.443080	172.883	58.212174	11.225
CLOT.	2.028	128.793355	0.000	420734.959	4577180.042	72.661854	143.727	318.430947	13.167414	172.379	58.936508	11.205
CIRC.	13.278	146.698286	0.000	420744.540	4577174.220	76.595646	150.301	322.364740	17.152924	168.980	62.922017	11.127
CIRC.	20.000	168.095846	0.000	420748.690	4577168.973	79.264793	152.422	325.033886	19.234448	165.115	65.003542	11.100
CLOT.	33.517	211.122284	0.000	420750.845	4577155.888	84.794773	150.845	330.563866	21.705060	153.379	67.474153	11.043
CLOT.	40.000	225.812178	0.000	420748.899	4577149.719	87.181770	147.599	332.950863	21.803925	146.915	67.573019	11.001
RECTA	44.767	229.027215	0.000	420746.872	4577145.405	88.862288	144.801	334.631381	21.597999	142.172	67.367092	10.962
RECTA	44.795	229.027215	0.000	420746.860	4577145.380	88.872042	144.784	334.641135	21.596566	142.144	67.365660	10.962

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :   43 : Deflectora 04
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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:      44.795 Dis=-142.144
                                                                      Distancia:   144.669  Azimut: 354.230906
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis= 142.446
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	128.793355	0.000	420733.135	4577180.928	12.443080	172.883	58.212174	71.962373	142.446	317.731467	11.225
CLOT.	2.028	128.793355	0.000	420734.959	4577180.042	13.167414	172.379	58.936508	72.661854	143.727	318.430947	11.205
CIRC.	13.278	146.698286	0.000	420744.540	4577174.220	17.152924	168.980	62.922017	76.595646	150.301	322.364740	11.127
CIRC.	20.000	168.095846	0.000	420748.690	4577168.973	19.234448	165.115	65.003542	79.264793	152.422	325.033886	11.100
CLOT.	33.517	211.122284	0.000	420750.845	4577155.888	21.705060	153.379	67.474153	84.794773	150.845	330.563866	11.043
CLOT.	40.000	225.812178	0.000	420748.899	4577149.719	21.803925	146.915	67.573019	87.181770	147.599	332.950863	11.001
RECTA	44.767	229.027215	0.000	420746.872	4577145.405	21.597999	142.172	67.367092	88.862288	144.801	334.631381	10.962
RECTA	44.795	229.027215	0.000	420746.860	4577145.380	21.596566	142.144	67.365660	88.872042	144.784	334.641135	10.962

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  119 : Deflectora 05
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                              ==========================================
                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      39.711 Dis=-158.271
                                                                      Distancia:   144.669  Azimut: 154.230906
 BO : BR507                X:  420699.559  Y: 4577011.337  Z:   9.657  PK:      33.237 Dis=-267.587
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	211.952491	0.000	420664.414	4577300.460	20.497730	190.024	266.266824	392.299196	291.252	38.068290	10.783
CIRC.	18.993	227.182730	0.000	420658.681	4577282.401	20.600740	171.079	266.369833	390.471296	274.129	36.240390	11.089
CIRC.	20.000	231.458003	0.000	420658.234	4577281.499	20.549267	170.082	266.318361	390.336855	273.304	36.105949	11.127
CIRC.	40.000	316.340639	0.000	420641.220	4577274.104	14.995760	158.274	260.764854	386.091522	269.166	31.860616	11.755
CIRC.	46.124	342.333088	0.000	420635.773	4577276.809	12.632654	159.742	258.401748	384.988152	273.027	30.757246	11.818

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  119 : Deflectora 05
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                              ==========================================
                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      39.711 Dis=-158.271
                                                                      Distancia:   177.799  Azimut: 297.880998
 BO : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      46.124 Dis=-264.906
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	211.952491	0.000	420664.414	4577300.460	20.497730	190.024	122.616733	57.717838	302.037	359.836840	10.783
CIRC.	18.993	227.182730	0.000	420658.681	4577282.401	20.600740	171.079	122.719742	60.092349	286.590	362.211351	11.089
CIRC.	20.000	231.458003	0.000	420658.234	4577281.499	20.549267	170.082	122.668269	60.196652	285.699	362.315654	11.127
CIRC.	40.000	316.340639	0.000	420641.220	4577274.104	14.995760	158.274	117.114762	59.254029	267.605	361.373031	11.755
CIRC.	46.124	342.333088	0.000	420635.773	4577276.809	12.632654	159.742	114.751656	57.950791	264.906	360.069793	11.818

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  120 : Deflectora 06
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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis=-126.440
                                                                        Distancia:   144.669  Azimut: 154.230906
 BO : BR507                 X:  420699.559  Y: 4577011.337  Z:   9.657  PK:       0.000 Dis=-220.995

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 382.661679     0.000   420667.095  4577229.935  33.097204   126.440 278.866298 390.614284   220.995  36.383378     11.532

CIRC.       0.000 382.661679     0.000   420667.095  4577229.935  33.097204   126.440 278.866298 390.614284   220.995  36.383378     11.532

CIRC.      20.000  14.492667     0.000   420666.653  4577249.722  28.570194   143.757 274.339287 391.267510   240.646  37.036604     11.434

CIRC.      33.258  35.593295     0.000   420671.712  4577261.912  28.273727   156.935 274.042821 392.953933   252.117  38.723026     11.406

CIRC.      40.000  31.327225     0.000   420675.094  4577267.743  28.487121   163.655 274.256215 393.943962   257.570  39.713056     11.509

CIRC.      60.000  18.672177     0.000   420682.735  4577286.190  28.108030   183.595 273.877124 396.107997   275.367  41.877090     12.131

CIRC.      70.618  11.953561     0.000   420685.263  4577296.498  27.412757   194.006 273.181851 396.811106   285.519  42.580200     12.269

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  121 : Deflectora 07


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis=  67.153
                                                                        Distancia:   177.799  Azimut:  97.880998
 BO : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      69.942 Dis= -89.075

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000  54.599002     0.000   420475.003  4577160.813  51.269013    67.153 353.388015 319.377253   135.508  21.496255     12.146

CIRC.      20.000  61.317945     0.000   420490.790  4577173.075  52.802387    87.059 354.921389 327.755851   125.204  29.874853     11.851

CIRC.      37.676  67.256221     0.000   420505.752  4577182.476  54.734285   104.490 356.853287 335.882872   116.560  38.001874     11.791

CIRC.      40.000  74.653032     0.000   420507.837  4577183.499  55.083409   106.739 357.202411 336.974954   115.362  39.093956     11.797

CIRC.      60.000 138.315009     0.000   420526.915  4577181.549  62.401558   120.795 364.520560 342.680707    98.739  44.799709     11.821

CIRC.      69.942 169.962219     0.000   420533.406  4577174.154  67.479513   122.458 369.598515 341.421679    89.075  43.540681     11.787

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  121 : Deflectora 07


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      69.942 Dis= -89.075
                                                                        Distancia:   177.799  Azimut: 297.880998
 BO : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis=  67.153

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ----------

CIRC.       0.000  54.599002     0.000   420475.003  4577160.813 319.377253   135.508  21.496255  51.269013    67.153 353.388015     12.146

CIRC.      20.000  61.317945     0.000   420490.790  4577173.075 327.755851   125.204  29.874853  52.802387    87.059 354.921389     11.851

CIRC.      37.676  67.256221     0.000   420505.752  4577182.476 335.882872   116.560  38.001874  54.734285   104.490 356.853287     11.791

CIRC.      40.000  74.653032     0.000   420507.837  4577183.499 336.974954   115.362  39.093956  55.083409   106.739 357.202411     11.797

CIRC.      60.000 138.315009     0.000   420526.915  4577181.549 342.680707    98.739  44.799709  62.401558   120.795 364.520560     11.821

CIRC.      69.942 169.962219     0.000   420533.406  4577174.154 341.421679    89.075  43.540681  67.479513   122.458 369.598515     11.787

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  122 : Deflectora 08


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      19.862 Dis=-125.445
                                                                        Distancia:   177.799  Azimut: 297.880998
 BO : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      82.766 Dis= -70.276

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ----------

CIRC.       0.000 207.895341     0.000   420524.213  4577226.483 358.896539   133.067  61.015541  45.587412   148.730 347.706414     12.048

CIRC.       0.000 207.895341     0.000   420524.213  4577226.483 358.896539   133.067  61.015541  45.587412   148.730 347.706414     12.048

CIRC.      20.000 250.336658     0.000   420515.544  4577208.869 349.974853   125.445  52.093855  48.050626   129.849 350.169629     12.048

CIRC.      29.699 270.919372     0.000   420507.675  4577203.270 345.212480   127.410  47.331482  47.048267   120.394 349.167269     12.108

CIRC.      40.000 267.751458     0.000   420498.548  4577198.499 340.578260   131.568  42.697263  45.017810   110.776 347.136812     12.185

CIRC.      60.000 261.600542     0.000   420481.555  4577187.966 332.117513   140.193  34.236515  40.807262    91.930 342.926264     12.425

CIRC.      80.000 255.449627     0.000   420465.658  4577175.843 324.299997   149.375  26.418999  36.007191    72.915 338.126193     12.790

CIRC.      82.766 254.599009     0.000   420463.554  4577174.048 323.264861   150.678  25.383863  35.269812    70.276 337.388814     12.845

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  122 : Deflectora 08


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      82.766 Dis= -70.276
                                                                        Distancia:   177.799  Azimut:  97.880998
 BO : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      19.862 Dis=-125.445

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ----------

CIRC.       0.000 207.895341     0.000   420524.213  4577226.483  45.587412   148.730 347.706414 358.896539   133.067  61.015541     12.048

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  122 : Deflectora 08


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      82.766 Dis= -70.276
                                                                        Distancia:   177.799  Azimut:  97.880998
 BO : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      19.862 Dis=-125.445

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ----------

CIRC.       0.000 207.895341     0.000   420524.213  4577226.483  45.587412   148.730 347.706414 358.896539   133.067  61.015541     12.048

CIRC.       0.000 207.895341     0.000   420524.213  4577226.483  45.587412   148.730 347.706414 358.896539   133.067  61.015541     12.048

CIRC.      20.000 250.336658     0.000   420515.544  4577208.869  48.050626   129.849 350.169629 349.974853   125.445  52.093855     12.048

CIRC.      29.699 270.919372     0.000   420507.675  4577203.270  47.048267   120.394 349.167269 345.212480   127.410  47.331482     12.108

CIRC.      40.000 267.751458     0.000   420498.548  4577198.499  45.017810   110.776 347.136812 340.578260   131.568  42.697263     12.185

CIRC.      60.000 261.600542     0.000   420481.555  4577187.966  40.807262    91.930 342.926264 332.117513   140.193  34.236515     12.425

CIRC.      80.000 255.449627     0.000   420465.658  4577175.843  36.007191    72.915 338.126193 324.299997   149.375  26.418999     12.790

CIRC.      82.766 254.599009     0.000   420463.554  4577174.048  35.269812    70.276 337.388814 323.264861   150.678  25.383863     12.845

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  194 : Carril directo Ramal 3 - nudo Sant Boi


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      81.557 Dis=-127.756
                                                                        Distancia:   177.799  Azimut: 297.880998
 BO : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      94.495 Dis=-113.319

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 195.877316     0.000   420537.687  4577283.518 375.351069   176.373  77.470071  36.984090   202.447 339.103092     12.017

CIRC.       0.000 195.877316     0.000   420537.687  4577283.518 375.351069   176.373  77.470071  36.984090   202.447 339.103092     12.017

CIRC.      20.000 227.708305     0.000   420534.041  4577264.064 371.084682   160.095  73.203684  39.619534   184.342 341.738536     12.074

CIRC.      23.152 232.724694     0.000   420532.601  4577261.262 370.069217   158.229  72.188219  39.782436   181.226 341.901438     12.079

CIRC.      40.000 221.253208     0.000   420525.680  4577245.926 364.429686   148.274  66.548688  41.080120   164.773 343.199123     12.030

CIRC.      57.337 209.448620     0.000   420521.546  4577229.114 358.641918   136.775  60.760920  43.989708   149.011 346.108710     11.950

CIRC.      60.000 213.686383     0.000   420521.065  4577226.496 357.714308   134.995  59.833310  44.553006   146.692 346.672008     11.947

CIRC.      80.000 245.517372     0.000   420512.189  4577208.805 348.771081   127.796  50.890083  46.852672   127.527 348.971674     12.066

CIRC.      94.495 268.586844     0.000   420500.932  4577199.801 341.781358   130.451  43.900361  45.560609   113.319 347.679611     12.161

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  194 : Carril directo Ramal 3 - nudo Sant Boi


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR506                 X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      94.495 Dis=-113.319
                                                                        Distancia:   177.799  Azimut:  97.880998
 BO : BR505                 X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      81.557 Dis=-127.756

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ----------

CIRC.       0.000 195.877316     0.000   420537.687  4577283.518  36.984090   202.447 339.103092 375.351069   176.373  77.470071     12.017

CIRC.       0.000 195.877316     0.000   420537.687  4577283.518  36.984090   202.447 339.103092 375.351069   176.373  77.470071     12.017

CIRC.      20.000 227.708305     0.000   420534.041  4577264.064  39.619534   184.342 341.738536 371.084682   160.095  73.203684     12.074

CIRC.      23.152 232.724694     0.000   420532.601  4577261.262  39.782436   181.226 341.901438 370.069217   158.229  72.188219     12.079

CIRC.      40.000 221.253208     0.000   420525.680  4577245.926  41.080120   164.773 343.199123 364.429686   148.274  66.548688     12.030

CIRC.      57.337 209.448620     0.000   420521.546  4577229.114  43.989708   149.011 346.108710 358.641918   136.775  60.760920     11.950

CIRC.      60.000 213.686383     0.000   420521.065  4577226.496  44.553006   146.692 346.672008 357.714308   134.995  59.833310     11.947

CIRC.      80.000 245.517372     0.000   420512.189  4577208.805  46.852672   127.527 348.971674 348.771081   127.796  50.890083     12.066

CIRC.      94.495 268.586844     0.000   420500.932  4577199.801  45.560609   113.319 347.679611 341.781358   130.451  43.900361     12.161

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  196 : Carril directo nudo Sant Boi - Ramal 4


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis=  67.153
                                                                       Distancia:   177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:     129.385 Dis= -38.790
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	54.599007	0.000	420475.003	4577160.813	51.269013	67.153	353.388016	319.377258	135.508	21.496260	12.146
CIRC.	12.052	58.647822	0.000	420484.362	4577168.402	52.083060	79.167	354.202063	324.330486	129.245	26.449488	11.947
CIRC.	20.000	73.104652	0.000	420491.181	4577172.453	53.331736	86.929	355.450738	327.551668	124.588	29.670670	11.857
CIRC.	40.000	109.482924	0.000	420510.725	4577175.142	60.136943	103.846	362.255945	333.804174	108.496	35.923176	11.737
CIRC.	60.000	145.861197	0.000	420528.620	4577166.834	69.723782	114.776	371.842784	335.163359	88.879	37.282361	11.637
CIRC.	68.646	161.588079	0.000	420534.351	4577160.390	74.264417	117.218	376.383420	333.206352	80.656	35.325354	11.594
CIRC.	80.000	154.117292	0.000	420541.327	4577151.440	80.063862	120.611	382.182864	329.323276	70.280	31.442278	11.537
CIRC.	93.885	144.981072	0.000	420551.205	4577141.700	86.214623	127.604	388.333625	324.500861	57.265	26.619863	11.468
CIRC.	100.000	154.713829	0.000	420555.536	4577137.390	88.712645	131.009	390.831647	321.582513	51.688	23.701515	11.437
RECTA	118.432	184.048825	0.000	420563.988	4577121.194	96.801226	137.580	398.920228	301.568499	40.307	3.687501	11.329
RECTA	120.000	184.048825	0.000	420564.376	4577119.675	97.510761	137.901	399.629763	299.160383	39.909	1.279385	11.319
RECTA	131.822	184.048825	0.000	420567.307	4577108.222	102.740556	140.857	4.859558	280.054411	38.867	382.173413	11.226

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  196 : Carril directo nudo Sant Boi - Ramal 4


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:     129.385 Dis= -38.790
                                                                       Distancia:   177.799  Azimut: 297.880998
 BO : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis=  67.153
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	54.599007	0.000	420475.003	4577160.813	319.377258	135.508	21.496260	51.269013	67.153	353.388016	12.146
CIRC.	12.052	58.647822	0.000	420484.362	4577168.402	324.330486	129.245	26.449488	52.083060	79.167	354.202063	11.947
CIRC.	20.000	73.104652	0.000	420491.181	4577172.453	327.551668	124.588	29.670670	53.331736	86.929	355.450738	11.857
CIRC.	40.000	109.482924	0.000	420510.725	4577175.142	333.804174	108.496	35.923176	60.136943	103.846	362.255945	11.737
CIRC.	60.000	145.861197	0.000	420528.620	4577166.834	335.163359	88.879	37.282361	69.723782	114.776	371.842784	11.637
CIRC.	68.646	161.588079	0.000	420534.351	4577160.390	333.206352	80.656	35.325354	74.264417	117.218	376.383420	11.594
CIRC.	80.000	154.117292	0.000	420541.327	4577151.440	329.323276	70.280	31.442278	80.063862	120.611	382.182864	11.537
CIRC.	93.885	144.981072	0.000	420551.205	4577141.700	324.500861	57.265	26.619863	86.214623	127.604	388.333625	11.468
CIRC.	100.000	154.713829	0.000	420555.536	4577137.390	321.582513	51.688	23.701515	88.712645	131.009	390.831647	11.437
RECTA	118.432	184.048825	0.000	420563.988	4577121.194	301.568499	40.307	3.687501	96.801226	137.580	398.920228	11.329
RECTA	120.000	184.048825	0.000	420564.376	4577119.675	299.160383	39.909	1.279385	97.510761	137.901	399.629763	11.319
RECTA	131.822	184.048825	0.000	420567.307	4577108.222	280.054411	38.867	382.173413	102.740556	140.857	4.859558	11.226

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  235 : Ramal directo BV2002 - Ramal 2


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      70.044 Dis=-186.540
                                                                       Distancia:   461.063  Azimut: 396.017622
 BO : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:       0.000 Dis= 241.970
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	177.674487	0.000	420659.054	4577353.290	14.692921	239.438	18.675299	177.543456	241.970	381.525834	10.985
CLOT.	20.000	202.455778	0.000	420662.869	4577333.789	17.043275	221.477	21.025654	178.311773	261.608	382.294151	10.816
CIRC.	22.483	207.507082	0.000	420662.676	4577331.314	17.179566	219.040	21.161945	178.555086	263.878	382.537464	10.765
CIRC.	40.000	244.679020	0.000	420655.795	4577315.475	16.419846	201.954	20.402224	181.253657	276.801	385.236035	10.539
CIRC.	60.000	287.120338	0.000	420638.913	4577305.455	11.765000	188.463	15.747378	185.558490	282.135	389.540869	10.790
CIRC.	80.000	329.561656	0.000	420619.449	4577308.020	5.129942	188.430	9.112320	189.804957	275.872	393.787335	11.490
CLOT.	90.765	352.405029	0.000	420610.886	4577314.446	2.163411	194.358	6.145789	191.568297	268.265	395.550675	11.951
CLOT.	100.000	368.986421	0.000	420605.614	4577321.997	0.420146	201.801	4.402524	192.603211	260.118	396.585589	12.515
CIRC.	116.789	383.677015	0.000	420599.938	4577337.757	398.729132	217.600	2.711510	193.598018	243.836	397.580396	13.585
CIRC.	116.789	383.677015	0.000	420599.938	4577337.757	398.729132	217.600	2.711510	193.598018	243.836	397.580396	13.585

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  235 : Ramal directo BV2002 - Ramal 2


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      70.044 Dis=-186.540
                                                                       Distancia:   461.063  Azimut: 297.880998
 BO : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      88.630 Dis=-272.006
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	177.674487	0.000	420659.054	4577353.290	14.692921	239.438	116.811923	49.117878	333.418	351.236881	10.985

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  235 : Ramal directo BV2002 - Ramal 2


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      70.044 Dis=-186.540
                                                                       Distancia:   461.063  Azimut: 396.017622
 BO : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:       0.000 Dis= 241.970
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	177.674487	0.000	420659.054	4577353.290	14.692921	239.438	18.675299	177.543456	241.970	381.525834	10.985

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    1 : NUDO SANT BOI-CORNELLA
 EJE        :  235 : Ramal directo BV2002 - Ramal 2


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      70.044 Dis=-186.540
                                                                       Distancia:   461.063  Azimut: 396.017622
 BO : BR504                X:  420575.459  Y: 4577580.362  Z:  12.780  PK:       0.000 Dis= 241.970
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	177.674487	0.000	420659.054	4577353.290	14.692921	239.438	18.675299	177.543456	241.970	381.525834	10.985
CLOT.	20.000	202.455778	0.000	420662.869	4577333.789	17.043275	221.477	21.025654	178.311773	261.608	382.294151	10.816
CIRC.	22.483	207.507082	0.000	420662.676	4577331.314	17.179566	219.040	21.161945	178.555086	263.878	382.537464	10.765
CIRC.	40.000	244.679020	0.000	420655.795	4577315.475	16.419846	201.954	20.402224	181.253657	276.801	385.236035	10.539
CIRC.	60.000	287.120338	0.000	420638.913	4577305.455	11.765000	188.463	15.747378	185.558490	282.135	389.540869	10.790
CIRC.	80.000	329.561656	0.000	420619.449	4577308.020	5.129942	188.430	9.112320	189.804957	275.872	393.787335	11.490
CLOT.	90.765	352.405029	0.000	420610.886	4577314.446	2.163411	194.358	6.145789	191.568297	268.265	395.550675	11.951
CLOT.	100.000	368.986421	0.000	420605.614	4577321.997	0.420146	201.801	4.402524	192.603211	260.118	396.585589	12.515
CIRC.	116.789	383.677015	0.000	420599.938	4577337.757	398.729132	217.600	2.711510	193.598018	243.836	397.580396	13.585

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                                          GRUPO 2
                          ==========================================
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :    7 : Ramal Tronco B25 a B20 C32 - Enlace Sant Boi Sur


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:      84.387 Dis= -95.246
                                                                       Distancia:   236.255  Azimut: 284.712386
 BO : BR517                X:  420812.207  Y: 4576086.857  Z:  10.624  PK:      64.247 Dis= 140.407
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420918.379	4576194.534	325.181641	133.622	40.469255	49.551892	151.218	364.839506	13.580
CLOT.	16.974	172.884810	0.000	420925.392	4576179.076	319.126698	121.745	34.414312	56.475503	145.997	371.763117	13.088
CLOT.	20.000	172.903462	0.000	420926.642	4576176.321	317.923999	119.757	33.211613	57.757907	145.255	373.045521	13.000
CLOT.	40.000	173.964904	0.000	420934.786	4576158.054	308.879631	107.945	24.167245	66.500878	141.756	381.788492	12.420
CLOT.	60.000	176.656092	0.000	420942.389	4576139.557	297.763555	99.356	13.051169	75.512045	140.444	390.799659	11.840
CIRC.	75.936	179.967177	0.000	420947.733	4576124.546	287.621633	95.754	2.909247	82.732419	140.669	398.020033	11.378
CIRC.	80.000	180.943388	0.000	420948.961	4576120.672	284.925842	95.383	0.213456	84.567858	140.873	399.855472	11.260
CIRC.	100.000	185.748065	0.000	420954.133	4576101.357	271.707932	96.970	386.995546	93.518264	142.665	8.805878	10.680
CIRC.	120.000	190.552743	0.000	420957.833	4576081.707	259.792274	103.891	375.079888	102.250263	145.717	17.537877	10.140
CIRC.	140.000	195.357421	0.000	420960.041	4576061.834	250.167800	115.156	365.455414	110.674311	149.937	25.961925	9.718
CIRC.	160.000	200.162098	0.000	420960.745	4576041.852	242.948430	129.582	358.236044	118.729198	155.206	34.016812	9.417
CIRC.	180.000	204.966776	0.000	420959.939	4576021.873	237.781514	146.169	353.069128	126.381891	161.393	41.669505	9.235
CIRC.	200.000	209.771453	0.000	420957.630	4576002.011	234.215108	164.183	349.502722	133.623411	168.365	48.911025	9.133
CIRC.	220.000	214.576131	0.000	420953.830	4575982.380	231.855593	183.117	347.143207	140.462899	175.990	55.750513	9.033
CIRC.	240.000	219.380808	0.000	420948.560	4575963.092	230.400680	202.622	345.688294	146.921574	184.147	62.209188	8.933
CIRC.	260.000	224.185486	0.000	420941.851	4575944.256	229.628427	222.451	344.916041	153.027613	192.724	68.315227	8.868
CIRC.	280.000	228.990163	0.000	420933.741	4575925.979	229.377733	242.425	344.665347	158.812290	201.624	74.099904	8.863
CIRC.	300.000	233.794841	0.000	420924.276	4575908.366	229.531229	262.411	344.818843	164.307335	210.757	79.594949	8.918
CIRC.	320.000	238.599518	0.000	420913.509	4575891.517	230.002511	282.305	345.290125	169.543287	220.045	84.830901	9.033
CIRC.	340.000	243.404196	0.000	420901.503	4575875.527	230.727118	302.022	346.014732	174.548577	229.421	89.836191	9.173
CIRC.	360.000	248.208873	0.000	420888.326	4575860.489	231.656270	321.493	346.943884	179.349099	238.824	94.636713	9.313
CLOT.	379.305	252.846547	0.000	420874.566	4575846.955	232.711966	339.998	347.999580	183.810365	247.875	99.097979	9.441
CLOT.	380.000	253.012566	0.000	420874.052	4575846.486	232.752534	340.659	348.040148	183.968104	248.199	99.255718	9.445

CLOT.	400.000	256.945723	0.000	420858.823	4575833.527	233.971070	359.500	349.258684	188.414980	257.584	103.702594	9.553
CLOT.	420.000	259.249133	0.000	420842.976	4575821.327	235.223488	378.138	350.511102	192.655751	267.307	107.943365	9.636
RECTA	438.267	259.928914	0.000	420828.248	4575810.521	236.327527	395.130	351.615141	196.308624	276.801	111.596238	9.690
RECTA	440.000	259.928914	0.000	420826.847	4575809.501	236.428269	396.746	351.715882	196.642721	277.742	111.930335	9.694
RECTA	451.331	259.928914	0.000	420817.688	4575802.831	237.067245	407.334	352.354859	198.771651	284.079	114.059265	9.718

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 7 : Ramal Tronco B25 a B20 C32 - Enlace Sant Boi Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 369.067 Dis= 47.578
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 84.387 Dis= -95.246

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420918.379	4576194.534	14.252760	314.530	373.009270	325.181641	133.622	83.938151	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 7 : Ramal Tronco B25 a B20 C32 - Enlace Sant Boi Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 369.067 Dis= 47.578
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 64.247 Dis= 140.407

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420918.379	4576194.534	14.252760	314.530	25.751707	49.551892	151.218	261.050839	13.580
CLOT.	16.974	172.884810	0.000	420925.392	4576179.076	16.423911	301.190	27.922858	56.475503	145.997	267.974450	13.088
CLOT.	20.000	172.903462	0.000	420926.642	4576176.321	16.831127	298.851	28.330074	57.757907	145.255	269.256854	13.000
CLOT.	40.000	173.964904	0.000	420934.786	4576158.054	19.668030	283.629	31.166977	66.500878	141.756	277.999825	12.420
CLOT.	60.000	176.656092	0.000	420942.389	4576139.557	22.718441	268.627	34.217388	75.512045	140.444	287.010992	11.840
CIRC.	75.936	179.967177	0.000	420947.733	4576124.546	25.262261	256.633	36.761208	82.732419	140.669	294.231366	11.378
CIRC.	80.000	180.943388	0.000	420948.961	4576120.672	25.922542	253.549	37.421489	84.567858	140.873	296.066805	11.260
CIRC.	100.000	185.748065	0.000	420954.133	4576101.357	29.237749	238.184	40.736696	93.518264	142.665	305.017212	10.680
CIRC.	120.000	190.552743	0.000	420957.833	4576081.707	32.680184	222.536	44.179131	102.250263	145.717	313.749210	10.140
CIRC.	140.000	195.357421	0.000	420960.041	4576061.834	36.281414	206.640	47.780361	110.674311	149.937	322.173258	9.718
CIRC.	160.000	200.162098	0.000	420960.745	4576041.852	40.084038	190.534	51.582985	118.729198	155.206	330.228146	9.417
CIRC.	180.000	204.966776	0.000	420959.939	4576021.873	44.146838	174.267	55.645785	126.381891	161.393	337.880838	9.235
CIRC.	200.000	209.771453	0.000	420957.630	4576002.011	48.552989	157.895	60.051936	133.623411	168.365	345.122358	9.133
CIRC.	220.000	214.576131	0.000	420953.830	4575982.380	53.423544	141.490	64.922491	140.462899	175.990	351.961846	9.033
CIRC.	240.000	219.380808	0.000	420948.560	4575963.092	58.940291	125.153	70.439238	146.921574	184.147	358.420521	8.933
CIRC.	260.000	224.185486	0.000	420941.851	4575944.256	65.385513	109.026	76.884460	153.027613	192.724	364.526560	8.868
CIRC.	280.000	228.990163	0.000	420933.741	4575925.979	73.211877	93.335	84.710824	158.812290	201.624	370.311237	8.863
CIRC.	300.000	233.794841	0.000	420924.276	4575908.366	83.160159	78.457	94.659106	164.307335	210.757	375.806282	8.918
CIRC.	320.000	238.599518	0.000	420913.509	4575891.517	96.414227	65.065	107.913174	169.543287	220.045	381.042234	9.033
CIRC.	340.000	243.404196	0.000	420901.503	4575875.527	114.559642	54.371	126.058589	174.548577	229.421	386.047524	9.173
CIRC.	360.000	248.208873	0.000	420888.326	4575860.489	138.362472	48.282	149.861419	179.349099	238.824	390.848046	9.313
CLOT.	379.305	252.846547	0.000	420874.566	4575846.955	163.931010	48.474	175.429957	183.810365	247.875	395.309312	9.441
CLOT.	380.000	253.012566	0.000	420874.052	4575846.486	164.828132	48.598	176.327079	183.968104	248.199	395.467051	9.445
CLOT.	400.000	256.945723	0.000	420858.823	4575833.527	188.100057	55.290	199.599004	188.414980	257.584	399.913927	9.553
CLOT.	420.000	259.249133	0.000	420842.976	4575821.327	205.319658	66.760	216.818605	192.655751	267.307	4.154698	9.636
RECTA	438.267	259.928914	0.000	420828.248	4575810.521	216.342635	79.953	227.841582	196.308624	276.801	7.807571	9.690
RECTA	440.000	259.928914	0.000	420826.847	4575809.501	217.200775	81.303	228.699722	196.642721	277.742	8.141668	9.694
RECTA	451.331	259.928914	0.000	420817.688	4575802.831	222.165442	90.450	233.664389	198.771651	284.079	10.270598	9.718

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 7 : Ramal Tronco B25 a B20 C32 - Enlace Sant Boi Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 369.067 Dis= 47.578
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 451.331 Dis= 117.757

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420918.379	4576194.534	14.252760	314.530	155.172007	30.472676	468.745	371.391924	13.580
CLOT.	16.974	172.884810	0.000	420925.392	4576179.076	16.423911	301.190	157.343159	32.326018	458.449	373.245266	13.088
CLOT.	20.000	172.903462	0.000	420926.642	4576176.321	16.831127	298.851	157.750374	32.665075	456.655	373.584323	13.000
CLOT.	40.000	173.964904	0.000	420934.786	4576158.054	19.668030	283.629	160.587278	34.963322	445.029	375.882570	12.420
CLOT.	60.000	176.656092	0.000	420942.389	4576139.557	22.718441	268.627	163.637688	37.334009	433.521	378.253256	11.840
CIRC.	75.936	179.967177	0.000	420947.733	4576124.546	25.262261	256.633	166.181508	39.249253	424.167	380.168500	11.378
CIRC.	80.000	180.943388	0.000	420948.961	4576120.672	25.922542	253.549	166.841790	39.738598	421.729	380.657846	11.260
CIRC.	100.000	185.748065	0.000	420954.133	4576101.357	29.237749	238.184	170.156996	42.147259	409.372	383.066507	10.680
CIRC.	120.000	190.552743	0.000	420957.833	4576081.707	32.680184	222.536	173.599432	44.556324	396.432	385.475571	10.140
CIRC.	140.000	195.357421	0.000	420960.041	4576061.834	36.281414	206.640	177.200662	46.965853	382.928	387.885100	9.718
CIRC.	160.000	200.162098	0.000	420960.745	4576041.852	40.084038	190.534	181.003285	49.375919	368.878	390.295166	9.417
CIRC.	180.000	204.966776	0.000	420959.939	4576021.873	44.146838	174.267	185.066086	51.786609	354.303	392.705856	9.235
CIRC.	200.000	209.771453	0.000	420957.630	4576002.011	48.552989	157.895	189.472236	54.198029	339.224	395.117277	9.133
CIRC.	220.000	214.576131	0.000	420953.830	4575982.380	53.423544	141.490	194.342791	56.610309	323.661	397.529557	9.033
CIRC.	240.000	219.380808	0.000	420948.560	4575963.092	58.940291	125.153	199.859538	59.023610	307.638	399.942858	8.933
CIRC.	260.000	224.185486	0.000	420941.851	4575944.256	65.385513	109.026	206.304760	61.438134	291.177	2.357381	8.868
CIRC.	280.000	228.990163	0.000	420933.741	4575925.979	73.211877	93.335	214.131125	63.854139	274.301	4.773386	8.863
CIRC.	300.000	233.794841	0.000	420924.276	4575908.366	83.160159	78.457	224.079406	66.271958	257.035	7.191206	8.918
CIRC.	320.000	238.599518	0.000	420913.509	4575891.517	96.414227	65.065	237.333475	68.692035	239.403	9.611283	9.033
CIRC.	340.000	243.404196	0.000	420901.503	4575875.527	114.559642	54.371	255.478889	71.114964	221.430	12.034211	9.173
CIRC.	360.000	248.208873	0.000	420888.326	4575860.489	138.362472	48.282	279.281720	73.541568	203.141	14.460816	9.313
CLOT.	379.305	252.846547	0.000	420874.566	4575846.955	163.931010	48.474	304.850258	75.888407	185.214	16.807655	9.441
CLOT.	380.000	253.012566	0.000	420874.052	4575846.486	164.828132	48.598	305.747379	75.973021	184.564	16.892268	9.445
CLOT.	400.000	256.945723	0.000	420858.823	4575833.527	188.100057	55.290	329.019305	78.445187	165.756	19.364434	9.553
CLOT.	420.000	259.249133	0.000	420842.976	4575821.327	205.319658	66.760	346.238906	81.151857	146.889	22.071105	9.636
RECTA	438.267	259.928914	0.000	420828.248	4575810.521	216.342635	79.953	357.261882	84.115011	129.790	25.034259	9.690
RECTA	440.000	259.928914	0.000	420826.847	4575809.501	217.200775	81.303	358.120023	84.434179	128.182	25.353426	9.694
RECTA	451.331	259.928914	0.000	420817.688	4575802.831	222.165442	90.450	363.084689	86.734803	117.757	27.654051	9.718

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 44 : Ramal Centro Comercial a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 4.120 Dis= 26.312
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-228.388

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	72.051264	0.000	421026.770	4576165.113	362.162601	26.633	77.450215	77.735556	228.388	393.023170	10.638

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 44 : Ramal Centro Comercial a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 4.120 Dis= 26.312
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 218.452 Dis= -50.956

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	72.051264	0.000	421026.770	4576165.113	362.162601	26.633	287.363378	281.813941	237.439	7.014718	10.638
RECTA	20.000	72.051264	0.000	421044.873	4576173.614	6.619747	30.733	331.820524	282.707372	217.695	7.908149	12.373
CLOT.	23.858	72.051264	0.000	421048.365	4576175.253	13.023315	32.892	338.224093	282.898675	213.892	8.099452	12.715
CLOT.	40.000	72.803568	0.000	421063.003	4576182.057	31.842167	44.456	357.042944	283.758651	197.991	8.959429	14.210
CLOT.	60.000	75.822631	0.000	421081.371	4576189.964	44.698517	61.453	369.899295	284.835897	178.247	10.036675	15.032
CLOT.	80.000	81.151423	0.000	421100.215	4576196.650	52.796362	79.368	377.997140	285.660303	158.372	10.861081	14.254
CIRC.	86.858	83.510435	0.000	421106.809	4576198.531	55.078480	85.557	380.279258	285.811935	151.524	11.012713	13.675
CIRC.	100.000	88.291290	0.000	421119.627	4576201.417	59.079333	97.378	384.280111	285.803492	138.385	11.004269	12.628
CIRC.	120.000	95.566945	0.000	421139.456	4576203.945	64.537007	115.187	389.737784	284.771779	118.504	9.972557	11.461
CIRC.	140.000	102.842599	0.000	421159.443	4576204.195	69.510290	132.690	394.711068	281.885267	99.129	7.086045	10.821
CIRC.	160.000	110.118254	0.000	421179.329	4576202.163	74.174946	149.804	399.375723	275.954339	80.964	1.155117	10.707
CLOT.	171.644	114.354126	0.000	421190.757	4576199.939	76.790185	159.561	1.990963	270.349441	71.439	395.550218	10.883
CLOT.	180.000	117.192317	0.000	421198.856	4576197.886	78.628481	166.465	3.829259	265.012984	65.354	390.213761	11.119
CLOT.	200.000	122.348095	0.000	421217.875	4576191.719	82.841839	182.791	8.042617	247.032359	54.517	372.233137	11.994
CLOT.	220.000	125.194142	0.000	421236.473	4576184.367	86.692832	199.125	11.893610	223.123133	50.981	348.323910	12.764
CIRC.	234.644	125.813282	0.000	421249.949	4576178.635	89.225749	211.284	14.426527	205.516106	53.588	330.716884	13.318
CIRC.	234.644	125.813282	0.000	421249.949	4576178.635	89.225749	211.284	14.426527	205.516106	53.588	330.716884	13.318

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 44 : Ramal Centro Comercial a C31C

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR511                  X:  421254.586  Y: 4576232.022  Z:   8.210  PK:     218.452 Dis= -50.956
                                                                          Distancia:   230.747  Azimut: 274.799222
 BO : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:       4.120 Dis=  26.312

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  72.051264     0.000  421026.770  4576165.113 281.813941   237.439   7.014718 362.162601    26.633 287.363378     10.638

RECTA      20.000  72.051264     0.000  421044.873  4576173.614 282.707372   217.695   7.908149   6.619747    30.733 331.820524     12.373

CLOT.      23.858  72.051264     0.000  421048.365  4576175.253 282.898675   213.892   8.099452  13.023315    32.892 338.224093     12.715

CLOT.      40.000  72.803568     0.000  421063.003  4576182.057 283.758651   197.991   8.959429  31.842167    44.456 357.042944     14.210

CLOT.      60.000  75.822631     0.000  421081.371  4576189.964 284.835897   178.247  10.036675  44.698517    61.453 369.899295     15.032

CLOT.      80.000  81.151423     0.000  421100.215  4576196.650 285.660303   158.372  10.861081  52.796362    79.368 377.997140     14.254

CIRC.      86.858  83.510435     0.000  421106.809  4576198.531 285.811935   151.524  11.012713  55.078480    85.557 380.279258     13.675

CIRC.     100.000  88.291290     0.000  421119.627  4576201.417 285.803492   138.385  11.004269  59.079333    97.378 384.280111     12.628

CIRC.     120.000  95.566945     0.000  421139.456  4576203.945 284.771779   118.504   9.972557  64.537007   115.187 389.737784     11.461

CIRC.     140.000 102.842599     0.000  421159.443  4576204.195 281.885267    99.129   7.086045  69.510290   132.690 394.711068     10.821

CIRC.     160.000 110.118254     0.000  421179.329  4576202.163 275.954339    80.964   1.155117  74.174946   149.804 399.375723     10.707

CLOT.     171.644 114.354126     0.000  421190.757  4576199.939 270.349441    71.439 395.550218  76.790185   159.561   1.990963     10.883

CLOT.     180.000 117.192317     0.000  421198.856  4576197.886 265.012984    65.354 390.213761  78.628481   166.465   3.829259     11.119

CLOT.     200.000 122.348095     0.000  421217.875  4576191.719 247.032359    54.517 372.233137  82.841839   182.791   8.042617     11.994

CLOT.     220.000 125.194142     0.000  421236.473  4576184.367 223.123133    50.981 348.323910  86.692832   199.125  11.893610     12.764

CIRC.     234.644 125.813282     0.000  421249.949  4576178.635 205.516106    53.588 330.716884  89.225749   211.284  14.426527     13.318

CIRC.     234.644 125.813282     0.000  421249.949  4576178.635 205.516106    53.588 330.716884  89.225749   211.284  14.426527     13.318

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   45 : Ramal Centro Comercial-Via de Servicio 01


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:      70.252 Dis=  29.815
                                                                          Distancia:   236.255  Azimut: 284.712386
 BO : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:       0.000 Dis=-162.148

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  72.051267     0.000  420965.351  4576140.138 297.575210    76.388  12.862824  78.684882   162.148 393.972496      5.568

RECTA      20.000  72.051267     0.000  420983.454  4576148.639 306.095337    58.497  21.382951  77.957421   182.051 393.245035      6.953

RECTA      40.000  72.051267     0.000  421001.558  4576157.140 321.503143    42.528  36.790757  77.373408   201.974 392.661022      8.545

RECTA      60.000  72.051267     0.000  421019.661  4576165.641 350.816578    31.551  66.104192  76.894296   221.910 392.181910     10.145

CLOT.      66.646  72.051267     0.000  421025.677  4576168.466 364.224912    30.039  79.512526  76.753586   228.538 392.041200     10.676

CLOT.      80.000  69.780822     0.000  421037.695  4576174.285 391.917281    31.492 107.204895  76.452541   241.844 391.740155     11.745

CLOT.     100.000  57.886899     0.000  421054.671  4576184.804  19.197252    43.731 134.484866  75.558807   261.500 390.846421     13.345

CIRC.     106.329  52.001514     0.000  421059.484  4576188.911  23.569100    49.197 138.856714  75.081646   267.508 390.369260     13.851

CIRC.     120.000  38.186739     0.000  421068.360  4576199.273  28.202987    62.234 143.490601  73.672358   279.735 388.959972     14.813

CLOT.     126.446  31.673301     0.000  421071.721  4576204.770  28.833218    68.644 144.120832  72.849700   285.045 388.137314     15.167

CLOT.     140.000  20.315768     0.000  421077.019  4576217.226  28.301525    82.166 143.589139  70.876187   295.164 386.163801     15.703

CLOT.     160.000  12.101718     0.000  421081.795  4576236.633  25.778034   101.820 141.065648  67.716124   308.400 383.003738     15.997

RECTA     166.128  11.623547     0.000  421082.922  4576242.657  24.988878   107.809 140.276492  66.754517   312.347 382.042131     16.034

RECTA     180.000  11.623547     0.000  421085.441  4576256.298  23.472876   121.411 138.760490  64.661824   321.508 379.949438     16.117

RECTA     200.000  11.623547     0.000  421089.072  4576275.966  21.802965   141.114 137.090579  61.850644   335.286 377.138258     16.237

RECTA     203.971  11.623547     0.000  421089.793  4576279.870  21.525474   145.035 136.813088  61.320096   338.095 376.607710     16.261

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   45 : Ramal Centro Comercial-Via de Servicio 01


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:      70.252 Dis=  29.815
                                                                          Distancia:   230.747  Azimut:  74.799222
 BO : BR511                  X:  421254.586  Y: 4576232.022  Z:   8.210  PK:     186.839 Dis= 170.741

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  72.051267     0.000  420965.351  4576140.138 297.575210    76.388 222.775988 280.417850   303.479   5.618628      5.568

RECTA      20.000  72.051267     0.000  420983.454  4576148.639 306.095337    58.497 231.296115 281.006057   283.664   6.206834      6.953

RECTA      40.000  72.051267     0.000  421001.558  4576157.140 321.503143    42.528 246.703920 281.682545   263.876   6.883323      8.545

RECTA      60.000  72.051267     0.000  421019.661  4576165.641 350.816578    31.551 276.017355 282.468609   244.123   7.669387     10.145

CLOT.      66.646  72.051267     0.000  421025.677  4576168.466 364.224912    30.039 289.425690 282.758753   237.568   7.959530     10.676

CLOT.      80.000  69.780822     0.000  421037.695  4576174.285 391.917281    31.492 317.118059 283.437134   224.444   8.637911     11.745

CLOT.     100.000  57.886899     0.000  421054.671  4576184.804  19.197252    43.731 344.398030 285.234382   205.415  10.435160     13.345

CIRC.     106.329  52.001514     0.000  421059.484  4576188.911  23.569100    49.197 348.769877 286.155332   199.809  11.356109     13.851

CIRC.     120.000  38.186739     0.000  421068.360  4576199.273  28.202987    62.234 353.403765 288.917982   189.083  14.118760     14.813

CLOT.     126.446  31.673301     0.000  421071.721  4576204.770  28.833218    68.644 354.033995 290.582019   184.885  15.782796     15.167

CLOT.     140.000  20.315768     0.000  421077.019  4576217.226  28.301525    82.166 353.502302 294.707657   178.182  19.908435     15.703

CLOT.     160.000  12.101718     0.000  421081.795  4576236.633  25.778034   101.820 350.978811 301.698563   172.853  26.899340     15.997

RECTA     166.128  11.623547     0.000  421082.922  4576242.657  24.988878   107.809 350.189655 303.938951   171.993  29.139729     16.034

RECTA     180.000  11.623547     0.000  421085.441  4576256.298  23.472876   121.411 348.673653 309.074944   170.878  34.275722     16.117

RECTA     200.000  11.623547     0.000  421089.072  4576275.966  21.802965   141.114 347.003742 316.521028   171.248  41.721806     16.237

RECTA     203.971  11.623547     0.000  421089.793  4576279.870  21.525474   145.035 346.726252 317.989847   171.599  43.190624     16.261

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   49 : Eje mediana C31C. Calzada Derecha


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR513                  X:  422141.423  Y: 4576218.994  Z:   7.853  PK:      17.395 Dis= 161.265
                                                                          Distancia:   166.314  Azimut: 277.894167
 BO : BR512                  X:  421985.035  Y: 4576162.397  Z:   7.721  PK:     160.700 Dis=  76.859

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 311.780740     0.000  422128.849  4576057.282 204.940091   162.200 327.045924 140.181668   178.134  62.287501      8.130

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   49 : Eje mediana C31C. Calzada Derecha


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR512                  X:  421985.035  Y: 4576162.397  Z:   7.721  PK:     160.700 Dis=  76.859
                                                                          Distancia:   166.314  Azimut:  77.894167
 BO : BR513                  X:  422141.423  Y: 4576218.994  Z:   7.853  PK:      17.395 Dis= 161.265

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 311.780740     0.000  422128.849  4576057.282 140.181668   178.134  62.287501 204.940091   162.200 327.045924      8.130

RECTA      20.000 311.780740     0.000  422109.191  4576060.962 143.609912   160.324  65.715744 212.808877   161.286 334.914710      8.160

RECTA      40.000 311.780740     0.000  422089.532  4576064.642 147.878793   143.094  69.984626 220.646529   162.842 342.752361      8.185

RECTA      60.000 311.780740     0.000  422069.873  4576068.321 153.283863   126.680  75.389696 228.223930   166.798 350.329762      8.205

RECTA      80.000 311.780740     0.000  422050.215  4576072.001 160.229374   111.444  82.335207 235.354851   172.991 357.460684      8.220

RECTA     100.000 311.780740     0.000  422030.556  4576075.681 169.225300    97.938  91.331132 241.917244   181.190 364.023077      8.230

RECTA     120.000 311.780740     0.000  422010.898  4576079.361 180.777701    86.970 102.883534 247.854637   191.139 369.960469      8.235

RECTA     140.000 311.780740     0.000  421991.239  4576083.041 195.032782    79.598 117.138614 253.163601   202.579 375.269433      8.235

RECTA     160.000 311.780740     0.000  421971.581  4576086.721 211.201263    76.863 133.307095 257.876223   215.273 379.982056      8.230

RECTA     180.000 311.780740     0.000  421951.922  4576090.401 227.443233    79.246 149.549065 262.044071   229.012 384.149904      8.220

CLOT.     192.136 311.780740     0.000  421939.993  4576092.634 236.497623    83.040 158.603456 264.332581   237.783 386.438414      8.211

CLOT.     200.000 311.678907     0.000  421932.263  4576094.077 241.870394    86.328 163.976227 265.725556   243.623 387.831389      8.205

CLOT.     220.000 310.502259     0.000  421912.572  4576097.577 253.540854    97.224 175.646686 268.946539   259.065 391.052372      8.185

CIRC.     234.953 308.761931     0.000  421897.793  4576099.845 260.399952   107.350 182.505784 271.043135   271.205 393.148968      8.166

CLOT.     237.059 308.464856     0.000  421895.705  4576100.130 261.246137   108.890 183.351970 271.316570   272.958 393.422402      8.164

CLOT.     240.000 308.055459     0.000  421892.789  4576100.510 262.380629   111.082 184.486462 271.689219   275.422 393.795052      8.160

CLOT.     260.000 305.549280     0.000  421872.903  4576102.630 268.824558   127.065 190.930391 273.967050   292.649 396.072882      8.129

CLOT.     280.000 303.528462     0.000  421852.954  4576104.042 273.515109   144.398 195.620941 275.859142   310.529 397.964974      8.094

CLOT.     300.000 301.993004     0.000  421832.973  4576104.896 276.984959   162.571 199.090792 277.444738   328.876 399.550571      8.054

CLOT.     320.000 300.942907     0.000  421812.978  4576105.345 279.616732   181.269 201.722565 278.792509   347.552   0.898342      8.009

CLOT.     340.000 300.378170     0.000  421792.979  4576105.540 281.676484   200.295 203.782317 279.960668   366.449   2.066501      7.958

RECTA     353.271 300.271321     0.000  421779.708  4576105.604 282.820612   213.036 204.926444 280.660917   379.071   2.766750      7.922

RECTA     360.000 300.271321     0.000  421772.979  4576105.632 283.348874   219.522 205.454706 280.997854   385.489   3.103686      7.903

RECTA     380.000 300.271321     0.000  421752.980  4576105.718 284.749193   238.877 206.855026 281.936064   404.623   4.041897      7.853

RECTA     400.000 300.271321     0.000  421732.980  4576105.803 285.939116   258.331 208.044949 282.789380   423.837   4.895213      7.921

RECTA     420.000 300.271321     0.000  421712.980  4576105.888 286.962074   277.862 209.067907 283.568557   443.121   5.674390      8.135

RECTA     440.000 300.271321     0.000  421692.980  4576105.973 287.850472   297.455 209.956305 284.282648   462.466   6.388481      8.496

RECTA     460.000 300.271321     0.000  421672.980  4576106.059 288.628934   317.100 210.734767 284.939323   481.864   7.045156      9.000

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   49 : Eje mediana C31C. Calzada Derecha


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR512                  X:  421985.035  Y: 4576162.397  Z:   7.721  PK:     160.700 Dis=  76.859
                                                                          Distancia:   166.314  Azimut:  77.894167
 BO : BR513                  X:  422141.423  Y: 4576218.994  Z:   7.853  PK:      17.395 Dis= 161.265
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	289.316483	336.786	211.422315	285.545114	501.310	7.650947	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	289.771189	351.229	211.877021	285.959852	515.581	8.065685	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	289.928091	356.507	212.033923	286.105659	520.797	8.211491	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	290.481644	376.252	212.587477	286.629936	540.314	8.735768	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	291.002067	396.001	213.107899	287.133089	559.836	9.238921	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	291.510672	415.736	213.616504	287.629023	579.337	9.734856	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	292.024895	435.439	214.130727	288.129816	598.793	10.235649	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	292.338203	447.088	214.444036	288.433185	610.288	10.539018	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	292.558926	455.086	214.664759	288.645845	618.175	10.751677	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	293.118471	474.664	215.224303	289.181694	637.464	11.287526	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	293.700893	494.166	215.806725	289.735883	656.654	11.841715	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	294.303506	513.589	216.409338	290.306761	675.740	12.412594	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	294.924026	532.927	217.029859	290.892869	694.719	12.998701	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	295.560502	552.177	217.666335	291.492910	713.585	13.598743	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	296.211253	571.335	218.317085	292.105730	732.335	14.211563	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	296.874826	590.396	218.980658	292.730297	750.964	14.836130	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	297.549958	609.357	219.655791	293.365687	769.468	15.471519	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	297.851483	617.697	219.957316	293.649499	777.599	15.755332	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	298.235361	628.215	220.341193	294.010923	787.845	16.116756	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	298.926708	646.978	221.032540	294.662632	806.105	16.768465	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	299.617539	665.666	221.723372	295.315689	824.273	17.421522	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	300.302064	684.303	222.407897	295.965395	842.374	18.071227	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	300.975129	702.910	223.080961	296.607473	860.437	18.713305	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	301.632113	721.511	223.737945	297.238007	878.489	19.343839	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	302.268845	740.128	224.374678	297.853382	896.555	19.959214	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	302.881536	758.782	224.987368	298.450243	914.664	20.556076	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	303.105319	765.821	225.211152	298.669571	921.499	20.775403	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	303.466114	777.497	225.571946	299.024969	932.842	21.130802	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 17.395 Dis= 161.265

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	304.010771	796.330	226.116604	299.567585	951.160	21.673418	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	304.240985	804.964	226.346818	299.800161	959.572	21.905993	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	304.499313	815.349	226.605146	300.064331	969.702	22.170164	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	304.806225	828.868	226.912058	300.383421	982.913	22.489253	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	304.926177	834.569	227.032010	300.509929	988.491	22.615761	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	305.295825	853.958	227.401658	300.907352	1007.495	23.013184	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	305.614691	873.484	227.720523	301.261345	1026.679	23.367178	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.888993	893.118	227.994825	301.576624	1046.009	23.682456	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.124533	912.837	228.230366	301.857686	1065.458	23.963519	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	306.326711	932.621	228.432543	302.108804	1085.003	24.214637	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	306.500535	952.455	228.606368	302.334018	1104.624	24.439851	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	306.650650	972.325	228.756483	302.537139	1124.305	24.642972	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	306.781357	992.223	228.887189	302.721753	1144.033	24.827586	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	306.896636	1012.141	229.002469	302.891231	1163.796	24.997064	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	307.000175	1032.072	229.106007	303.048737	1183.584	25.154569	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	307.095388	1052.011	229.201221	303.197239	1203.389	25.303071	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	307.149696	1063.943	229.255529	303.282947	1215.244	25.388779	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	307.185412	1071.954	229.291245	303.339497	1223.204	25.445330	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	307.272053	1091.900	229.377885	303.477137	1243.026	25.582969	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	307.355585	1111.848	229.461417	303.610455	1262.853	25.716287	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	307.436172	1131.797	229.542005	303.739651	1282.686	25.845484	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	307.513968	1151.749	229.619800	303.864912	1302.523	25.970745	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	307.589114	1171.702	229.694946	303.986415	1322.366	26.092247	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	307.661743	1191.656	229.767576	304.104324	1342.213	26.210157	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	307.731980	1211.612	229.837813	304.218797	1362.065	26.324630	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	307.799941	1231.570	229.905773	304.329981	1381.921	26.435814	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	307.865734	1251.528	229.971567	304.438015	1401.781	26.543847	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	307.918434	1267.989	230.024266	304.524830	1418.162	26.630663	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	140.181668	178.134	234.131808	112.558732	891.555	6.508872	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	143.609912	160.324	237.560052	112.576585	871.556	6.526725	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	147.878793	143.094	241.828933	112.595276	851.558	6.545416	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	153.283863	126.680	247.234003	112.614866	831.560	6.565006	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	160.229374	111.444	254.179514	112.635421	811.561	6.585561	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	169.225300	97.938	263.175440	112.657015	791.563	6.607156	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	180.777701	86.970	274.727841	112.679729	771.565	6.629869	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	195.032782	79.598	288.982922	112.703651	751.567	6.653791	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	211.201263	76.863	305.151403	112.728881	731.569	6.679022	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	227.443233	79.246	321.393373	112.755530	711.572	6.705670	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	236.497623	83.040	330.447763	112.772443	699.437	6.722583	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	241.870394	86.328	335.820534	112.784105	691.574	6.734245	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	253.540854	97.224	347.490994	112.831264	671.581	6.781404	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	260.399952	107.350	354.350092	112.902685	656.647	6.852825	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	261.246137	108.890	355.196277	112.916480	654.545	6.866620	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	262.380629	111.082	356.330770	112.937478	651.613	6.887618	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	268.824558	127.065	362.774698	113.132677	631.711	7.082818	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	273.515109	144.398	367.465249	113.414013	611.901	7.364153	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	276.984959	162.571	370.935099	113.773467	592.193	7.723607	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	279.616732	181.269	373.566872	114.202006	572.581	8.152146	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	281.676484	200.295	375.626624	114.689455	553.051	8.639595	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	282.820612	213.036	376.770752	115.039836	540.125	8.989976	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	283.348874	219.522	377.299014	115.224422	533.579	9.174562	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	284.749193	238.877	378.699333	115.800760	514.149	9.750900	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	285.939116	258.331	379.889256	116.422314	494.764	10.372454	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	286.962074	277.862	380.912214	117.094487	475.431	11.044627	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	287.850472	297.455	381.800612	117.823555	456.155	11.773695	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	288.628934	317.100	382.579075	118.616843	436.945	12.566983	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	289.316483	336.786	383.266623	119.482945	417.808	13.433085	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	289.771189	351.229	383.721329	120.169389	403.843	14.119529	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	289.928091	356.507	383.878231	120.431946	398.756	14.382086	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	290.481644	376.252	384.431785	121.470130	379.790	15.420270	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	291.002067	396.001	384.952207	122.594025	360.888	16.544165	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	291.510672	415.736	385.460812	123.798286	342.024	17.748426	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	292.024895	435.439	385.975035	125.076482	323.171	19.026622	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	292.338203	447.088	386.288343	125.865596	311.994	19.815737	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	292.558926	455.086	386.509066	126.420968	304.300	20.371108	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	293.118471	474.664	387.068611	127.831858	285.397	21.781998	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	293.700893	494.166	387.651033	129.322548	266.469	23.272688	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	294.303506	513.589	388.253646	130.911451	247.525	24.861591	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	294.924026	532.927	388.874167	132.623053	228.575	26.573193	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	295.560502	552.177	389.510642	134.490608	209.635	28.440748	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	296.211253	571.335	390.161393	136.560381	190.721	30.510521	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	296.874826	590.396	390.824966	138.898566	171.860	32.848706	16.474

CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	297.549958	609.357	391.500098	141.603013	153.084	35.553153	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	297.851483	617.697	391.801623	142.950119	144.834	36.900259	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	298.235361	628.215	392.185501	144.824866	134.449	38.775007	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	298.926708	646.978	392.876848	148.824093	116.053	42.774233	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	299.617539	665.666	393.567679	154.055383	98.076	48.005523	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	300.302064	684.303	394.252205	161.320647	80.847	55.270788	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	300.975129	702.910	394.925269	172.067067	65.018	66.017207	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	301.632113	721.511	395.582253	188.696298	51.946	82.646438	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	302.268845	740.128	396.218985	213.354330	44.223	107.304470	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	302.881536	758.782	396.831676	242.202870	44.775	136.153010	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	303.105319	765.821	397.055459	252.075524	47.221	146.025664	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	303.466114	777.497	397.416254	265.823727	53.409	159.773867	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	304.010771	796.330	397.960911	281.265360	67.189	175.215500	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	304.240985	804.964	398.191125	286.180924	74.478	180.131064	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	304.499313	815.349	398.449453	290.808302	83.736	184.758443	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	304.806225	828.868	398.756365	295.297667	96.321	189.247808	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	304.926177	834.569	398.876317	296.801297	101.751	190.751437	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	305.295825	853.958	399.245965	300.702827	120.563	194.652967	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	305.614691	873.484	399.564831	303.330690	139.832	197.280830	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.888993	893.118	399.839133	305.148333	159.372	199.098473	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.124533	912.837	0.074674	306.430501	179.080	200.380641	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	306.326711	932.621	0.276851	307.348110	198.894	201.298250	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	306.500535	952.455	0.450675	308.012205	218.775	201.962345	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	306.650650	972.325	0.600790	308.497710	238.699	202.447850	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	306.781357	992.223	0.731497	308.856853	258.650	202.806993	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	306.896636	1012.141	0.846776	309.127077	278.617	203.077217	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	307.000175	1032.072	0.950315	309.335894	298.595	203.286034	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	307.095388	1052.011	1.045528	309.503950	318.578	203.454090	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	307.149696	1063.943	1.099836	309.591709	330.536	203.541849	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	307.185412	1071.954	1.135552	309.646941	338.564	203.597081	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	307.272053	1091.900	1.222193	309.773700	358.552	203.723840	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	307.355585	1111.848	1.305725	309.887073	378.542	203.837213	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	307.436172	1131.797	1.386312	309.989072	398.532	203.939212	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	307.513968	1151.749	1.464108	310.081328	418.523	204.031468	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	307.589114	1171.702	1.539254	310.165171	438.515	204.115312	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	307.661743	1191.656	1.611883	310.241703	458.508	204.191844	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	307.731980	1211.612	1.682120	310.311840	478.501	204.261980	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	307.799941	1231.570	1.750081	310.376350	498.495	204.326491	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	307.865734	1251.528	1.815874	310.435886	518.490	204.386026	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	307.918434	1267.989	1.868574	310.481634	534.979	204.431775	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	112.558732	891.555	6.508872	140.181668	178.134	234.131808	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	112.576585	871.556	6.526725	143.609912	160.324	237.560052	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	112.595276	851.558	6.545416	147.878793	143.094	241.828933	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	112.614866	831.560	6.565006	153.283863	126.680	247.234003	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	112.635421	811.561	6.585561	160.229374	111.444	254.179514	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	112.657015	791.563	6.607156	169.225300	97.938	263.175440	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	112.679729	771.565	6.629869	180.777701	86.970	274.727841	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	112.703651	751.567	6.653791	195.032782	79.598	288.982922	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	112.728881	731.569	6.679022	211.201263	76.863	305.151403	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	112.755530	711.572	6.705670	227.443233	79.246	321.393373	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	112.772443	699.437	6.722583	236.497623	83.040	330.447763	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	112.784105	691.574	6.734245	241.870394	86.328	335.820534	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	112.831264	671.581	6.781404	253.540854	97.224	347.490994	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	112.902685	656.647	6.852825	260.399952	107.350	354.350092	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	112.916480	654.545	6.866620	261.246137	108.890	355.196277	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	112.937478	651.613	6.887618	262.380629	111.082	356.330770	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	113.132677	631.711	7.082818	268.824558	127.065	362.774698	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	113.414013	611.901	7.364153	273.515109	144.398	367.465249	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	113.773467	592.193	7.723607	276.984959	162.571	370.935099	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	114.202006	572.581	8.152146	279.616732	181.269	373.566872	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	114.689455	553.051	8.639595	281.676484	200.295	375.626624	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	115.039836	540.125	8.989976	282.820612	213.036	376.770752	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	115.224422	533.579	9.174562	283.348874	219.522	377.299014	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	115.800760	514.149	9.750900	284.749193	238.877	378.699333	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	116.422314	494.764	10.372454	285.939116	258.331	379.889256	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	117.094487	475.431	11.044627	286.962074	277.862	380.912214	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	117.823555	456.155	11.773695	287.850472	297.455	381.800612	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	118.616843	436.945	12.566983	288.628934	317.100	382.579075	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	119.482945	417.808	13.433085	289.316483	336.786	383.266623	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	120.169389	403.843	14.119529	289.771189	351.229	383.721329	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	120.431946	398.756	14.382086	289.928091	356.507	383.878231	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	121.470130	379.790	15.420270	290.481644	376.252	384.431785	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	122.594025	360.888	16.544165	291.002067	396.001	384.952207	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	123.798286	342.024	17.748426	291.510672	415.736	385.460812	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	125.076482	323.171	19.026622	292.024895	435.439	385.975035	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	125.865596	311.994	19.815737	292.338203	447.088	386.288343	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	126.420968	304.300	20.371108	292.558926	455.086	386.509066	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	127.831858	285.397	21.781998	293.118471	474.664	387.068611	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	129.322548	266.469	23.272688	293.700893	494.166	387.651033	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	130.911451	247.525	24.861591	294.303506	513.589	388.253646	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	132.623053	228.575	26.573193	294.924026	532.927	388.874167	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	134.490608	209.635	28.440748	295.560502	552.177	389.510642	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	136.560381	190.721	30.510521	296.211253	571.335	390.161393	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.898566	171.860	32.848706	296.874826	590.396	390.824966	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	141.603013	153.084	35.553153	297.549958	609.357	391.500098	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	142.950119	144.834	36.900259	297.851483	617.697	391.801623	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	144.824866	134.449	38.775007	298.235361	628.215	392.185501	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	148.824093	116.053	42.774233	298.926708	646.978	392.876848	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	154.055383	98.076	48.005523	299.617539	665.666	393.567679	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	161.320647	80.847	55.270788	300.302064	684.303	394.252205	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	172.067067	65.018	66.017207	300.975129	702.910	394.925269	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	188.696298	51.946	82.646438	301.632113	721.511	395.582253	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	213.354330	44.223	107.304470	302.268845	740.128	396.218985	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	242.202870	44.775	136.153010	302.881536	758.782	396.831676	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	252.075524	47.221	146.025664	303.105319	765.821	397.055459	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	265.823727	53.409	159.773867	303.466114	777.497	397.416254	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	281.265360	67.189	175.215500	304.010771	796.330	397.960911	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	286.180924	74.478	180.131064	304.240985	804.964	398.191125	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	290.808302	83.736	184.758443	304.499313	815.349	398.449453	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	295.297667	96.321	189.247808	304.806225	828.868	398.756365	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	296.801297	101.751	190.751437	304.926177	834.569	398.876317	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	300.702827	120.563	194.652967	305.295825	853.958	399.245965	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	303.330690	139.832	197.280830	305.614691	873.484	399.564831	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.148333	159.372	199.098473	305.888993	893.118	399.839133	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.430501	179.080	200.380641	306.124533	912.837	0.074674	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	307.348110	198.894	201.298250	306.326711	932.621	0.276851	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	308.012205	218.775	201.962345	306.500535	952.455	0.450675	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	308.497710	238.699	202.447850	306.650650	972.325	0.600790	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	308.856853	258.650	202.806993	306.781357	992.223	0.731497	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	309.127077	278.617	203.077217	306.896636	1012.141	0.846776	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	309.335894	298.595	203.286034	307.000175	1032.072	0.950315	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	309.503950	318.578	203.454090	307.095388	1052.011	1.045528	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	309.591709	330.536	203.541849	307.149696	1063.943	1.099836	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	309.646941	338.564	203.597081	307.185412	1071.954	1.135552	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	309.773700	358.552	203.723840	307.272053	1091.900	1.222193	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	309.887073	378.542	203.837213	307.355585	1111.848	1.305725	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	309.989072	398.532	203.939212	307.436172	1131.797	1.386312	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	310.081328	418.523	204.031468	307.513968	1151.749	1.464108	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	310.165171	438.515	204.115312	307.589114	1171.702	1.539254	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	310.241703	458.508	204.191844	307.661743	1191.656	1.611883	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	310.311840	478.501	204.261980	307.731980	1211.612	1.682120	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	310.376350	498.495	204.326491	307.799941	1231.570	1.750081	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	310.435886	518.490	204.386026	307.865734	1251.528	1.815874	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	310.481634	534.979	204.431775	307.918434	1267.989	1.868574	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	112.558732	891.555	237.759510	105.011845	1090.544	30.212623	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	112.576585	871.556	237.777362	104.885640	1070.659	30.086418	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	112.595276	851.558	237.796053	104.754658	1050.778	29.955436	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	112.614866	831.560	237.815643	104.618625	1030.902	29.819403	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	112.635421	811.561	237.836199	104.477245	1011.031	29.678022	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	112.657015	791.563	237.857793	104.330196	991.165	29.530973	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	112.679729	771.565	237.880507	104.177132	971.305	29.377910	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	112.703651	751.567	237.904429	104.017680	951.450	29.218458	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	112.728881	731.569	237.929659	103.851432	931.602	29.052210	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	112.755530	711.572	237.956307	103.677947	911.760	28.878725	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	112.772443	699.437	237.973220	103.568946	899.724	28.769724	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	112.784105	691.574	237.984882	103.497042	891.925	28.697820	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	112.831264	671.581	238.032042	103.320809	872.075	28.521586	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	112.902685	656.647	238.103463	103.209835	857.199	28.410612	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	112.916480	654.545	238.117258	103.196538	855.100	28.397315	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	112.937478	651.613	238.138255	103.179087	852.169	28.379864	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	113.132677	631.711	238.333455	103.093033	832.202	28.293810	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	113.414013	611.901	238.614790	103.058430	812.208	28.259208	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	113.773467	592.193	238.974244	103.066967	792.209	28.267744	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	114.202006	572.581	239.402784	103.109423	772.216	28.310200	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	114.689455	553.051	239.890233	103.175591	752.232	28.376369	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	115.039836	540.125	240.240613	103.227090	738.975	28.427868	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	115.224422	533.579	240.425199	103.254243	732.253	28.455020	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	115.800760	514.149	241.001538	103.337970	712.275	28.538747	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	116.422314	494.764	241.623091	103.426529	692.299	28.627306	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	117.094487	475.431	242.295264	103.520350	672.325	28.721128	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	117.823555	456.155	243.024332	103.619917	652.351	28.820694	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	118.616843	436.945	243.817620	103.725772	632.380	28.926550	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	119.482945	417.808	244.683723	103.838532	612.410	29.039310	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	120.169389	403.843	245.370167	103.925913	597.783	29.126690	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	120.431946	398.756	245.632724	103.958855	592.443	29.159633	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	121.470130	379.790	246.670908	104.083515	572.475	29.284293	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	122.594025	360.888	247.794803	104.201184	552.502	29.401961	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	123.798286	342.024	248.999064	104.297965	532.520	29.498743	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	125.076482	323.171	250.277260	104.357782	512.526	29.558560	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	125.865596	311.994	251.066374	104.368284	500.676	29.569061	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	126.420968	304.300	251.621745	104.362092	492.527	29.562870	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	127.831858	285.397	253.032635	104.295435	472.534	29.496213	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	129.322548	266.469	254.523325	104.147930	452.563	29.348708	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	130.911451	247.525	256.112229	103.908527	432.633	29.109304	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	132.623053	228.575	257.823831	103.564185	412.764	28.764963	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	134.490608	209.635	259.691386	103.099442	392.982	28.300219	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	136.560381	190.721	261.761159	102.495867	373.315	27.696644	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.898566	171.860	264.099343	101.731401	353.798	26.932178	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	141.603013	153.084	266.803791	100.779526	334.471	25.980303	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	142.950119	144.834	268.150896	100.291470	326.010	25.492248	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	144.824866	134.449	270.025644	99.608637	315.385	24.809415	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	148.824093	116.053	274.024870	98.187482	296.587	23.388259	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	154.055383	98.076	279.256161	96.484392	278.122	21.685170	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	161.320647	80.847	286.521425	94.460940	260.040	19.661717	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	172.067067	65.018	297.267844	92.070091	242.402	17.270869	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	188.696298	51.946	313.897075	89.254264	225.280	14.455042	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	213.354330	44.223	338.555108	85.943246	208.763	11.144023	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	242.202870	44.775	367.403648	82.052361	192.965	7.253139	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	252.075524	47.221	377.276302	80.416723	187.231	5.617500	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	265.823727	53.409	391.024505	77.483816	178.026	2.684594	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	281.265360	67.189	6.466138	72.154622	164.045	397.355400	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	286.180924	74.478	11.381702	69.456845	158.013	394.657623	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	290.808302	83.736	16.009080	65.991814	151.088	391.192592	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	295.297667	96.321	20.498445	61.092383	142.671	386.293161	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	296.801297	101.751	22.002075	58.885716	139.344	384.086494	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	300.702827	120.563	25.903605	50.711297	129.163	375.912074	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	303.330690	139.832	28.531468	41.407340	120.990	366.608117	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.148333	159.372	30.349111	31.061273	115.304	356.262050	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.430501	179.080	31.631279	19.977731	112.529	345.178508	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	307.348110	198.894	32.548888	8.670396	112.927	333.871174	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	308.012205	218.775	33.212983	397.736476	116.510	322.937254	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	308.497710	238.699	33.698488	387.674889	123.041	312.875666	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	308.856853	258.650	34.057630	378.770172	132.122	303.970950	8.728

CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	309.127077	278.617	34.327855	371.093578	143.303	296.294355		8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	309.335894	298.595	34.536672	364.574100	156.168	289.774878		8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	309.503950	318.578	34.704728	359.074438	170.366	284.275215		8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	309.591709	330.536	34.792486	356.208068	179.380	281.408845		8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	309.646941	338.564	34.847718	354.441956	185.618	279.642734		8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	309.773700	358.552	34.974478	350.529736	201.701	275.730513		8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	309.887073	378.542	35.087851	347.205806	218.432	272.406584		8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	309.989072	398.532	35.189850	344.361361	235.672	269.562138		8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	310.081328	418.523	35.282105	341.908869	253.319	267.109647		8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	310.165171	438.515	35.365949	339.778516	271.293	264.979294		8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	310.241703	458.508	35.442481	337.914697	289.532	263.115475		8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	310.311840	478.501	35.512618	336.273008	307.990	261.473786		8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	310.376350	498.495	35.577128	334.817813	326.630	260.018590		8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	310.435886	518.490	35.636663	333.520333	345.422	258.721111		8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	310.481634	534.979	35.682412	332.552284	361.017	257.753061		8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR516               X:  421041.683  Y: 4576143.047  Z:   9.086  PK:    1087.540 Dis=-112.299
                                                                     Distancia:   230.747  Azimut:  74.799222
 BO : BR511               X:  421254.586  Y: 4576232.022  Z:   8.210  PK:     908.768 Dis=  43.352
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	105.011845	1090.544	30.212623	112.558732	891.555	237.759510	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	104.885640	1070.659	30.086418	112.576585	871.556	237.777362	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	104.754658	1050.778	29.955436	112.595276	851.558	237.796053	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	104.618625	1030.902	29.819403	112.614866	831.560	237.815643	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	104.477245	1011.031	29.678022	112.635421	811.561	237.836199	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	104.330196	991.165	29.530973	112.657015	791.563	237.857793	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	104.177132	971.305	29.377910	112.679729	771.565	237.880507	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	104.017680	951.450	29.218458	112.703651	751.567	237.904429	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	103.851432	931.602	29.052210	112.728881	731.569	237.929659	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	103.677947	911.760	28.878725	112.755530	711.572	237.956307	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	103.568946	899.724	28.769724	112.772443	699.437	237.973220	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	103.497042	891.925	28.697820	112.784105	691.574	237.984882	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	103.320809	872.075	28.521586	112.831264	671.581	238.032042	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	103.209835	857.199	28.410612	112.902685	656.647	238.103463	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	103.196538	855.100	28.397315	112.916480	654.545	238.117258	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	103.179087	852.169	28.379864	112.937478	651.613	238.138255	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	103.093033	832.202	28.293810	113.132677	631.711	238.333455	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	103.058430	812.208	28.259208	113.414013	611.901	238.614790	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	103.066967	792.209	28.267744	113.773467	592.193	238.974244	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	103.109423	772.216	28.310200	114.202006	572.581	239.402784	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	103.175591	752.232	28.376369	114.689455	553.051	239.890233	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	103.227090	738.975	28.427868	115.039836	540.125	240.240613	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	103.254243	732.253	28.455020	115.224422	533.579	240.425199	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	103.337970	712.275	28.538747	115.800760	514.149	241.001538	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	103.426529	692.299	28.627306	116.422314	494.764	241.623091	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	103.520350	672.325	28.721128	117.094487	475.431	242.295264	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	103.619917	652.351	28.820694	117.823555	456.155	243.024332	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	103.725772	632.380	28.926550	118.616843	436.945	243.817620	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR516               X:  421041.683  Y: 4576143.047  Z:   9.086  PK:    1087.540 Dis=-112.299
                                                                     Distancia:   230.747  Azimut:  74.799222
 BO : BR511               X:  421254.586  Y: 4576232.022  Z:   8.210  PK:     908.768 Dis=  43.352
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	103.838532	612.410	29.039310	119.482945	417.808	244.683723	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	103.925913	597.783	29.126690	120.169389	403.843	245.370167	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	103.958855	592.443	29.159633	120.431946	398.756	245.632724	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	104.083515	572.475	29.284293	121.470130	379.790	246.670908	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	104.201184	552.502	29.401961	122.594025	360.888	247.794803	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	104.297965	532.520	29.498743	123.798286	342.024	248.999064	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	104.357782	512.526	29.558560	125.076482	323.171	250.277260	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	104.368284	500.676	29.569061	125.865596	311.994	251.066374	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	104.362092	492.527	29.562870	126.420968	304.300	251.621745	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	104.295435	472.534	29.496213	127.831858	285.397	253.032635	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	104.147930	452.563	29.348708	129.322548	266.469	254.523325	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	103.908527	432.633	29.109304	130.911451	247.525	256.112229	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	103.564185	412.764	28.764963	132.623053	228.575	257.823831	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	103.099442	392.982	28.300219	134.490608	209.635	259.691386	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	102.495867	373.315	27.696644	136.560381	190.721	261.761159	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	101.731401	353.798	26.932178	138.898566	171.860	264.099343	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	100.779526	334.471	25.980303	141.603013	153.084	266.803791	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	100.291470	326.010	25.492248	142.950119	144.834	268.150896	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	99.608637	315.385	24.809415	144.824866	134.449	270.025644	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	98.187482	296.587	23.388259	148.824093	116.053	274.024870	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	96.484392	278.122	21.685170	154.055383	98.076	279.256161	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	94.460940	260.040	19.661717	161.320647	80.847	286.521425	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	92.070091	242.402	17.270869	172.067067	65.018	297.267844	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	89.254264	225.280	14.455042	188.696298	51.946	313.897075	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	85.943246	208.763	11.144023	213.354330	44.223	338.555108	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	82.052361	192.965	7.253139	242.202870	44.775	367.403648	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	80.416723	187.231	5.617500	252.075524	47.221	377.276302	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	77.483816	178.026	2.684594	265.823727	53.409	391.024505	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR516               X:  421041.683  Y: 4576143.047  Z:   9.086  PK:    1087.540 Dis=-112.299
                                                                     Distancia:   230.747  Azimut:  74.799222
 BO : BR511               X:  421254.586  Y: 4576232.022  Z:   8.210  PK:     908.768 Dis=  43.352
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	72.154622	164.045	397.355400	281.265360	67.189	6.466138	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	69.456845	158.013	394.657623	286.180924	74.478	11.381702	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	65.991814	151.088	391.192592	290.808302	83.736	16.009080	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	61.092383	142.671	386.293161	295.297667	96.321	20.498445	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	58.885716	139.344	384.086494	296.801297	101.751	22.002075	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	50.711297	129.163	375.912074	300.702827	120.563	25.903605	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	41.407340	120.990	366.608117	303.330690	139.832	28.531468	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	31.061273	115.304	356.262050	305.148333	159.372	30.349111	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	19.977731	112.529	345.178508	306.430501	179.080	31.631279	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	8.670396	112.927	333.871174	307.348110	198.894	32.548888	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	397.736476	116.510	322.937254	308.012205	218.775	33.212983	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	387.674889	123.041	312.875666	308.497710	238.699	33.698488	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	378.770172	132.122	303.970950	308.856853	258.650	34.057630	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	371.093578	143.303	296.294355	309.127077	278.617	34.327855	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	364.574100	156.168	289.774878	309.335894	298.595	34.536672	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	359.074438	170.366	284.275215	309.503950	318.578	34.704728	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	356.208068	179.380	281.408845	309.591709	330.536	34.792486	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	354.441956	185.618	279.642734	309.646941	338.564	34.847718	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	350.529736	201.701	275.730513	309.773700	358.552	34.974478	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	347.205806	218.432	272.406584	309.887073	378.542	35.087851	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	344.361361	235.672	269.562138	309.989072	398.532	35.189850	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	341.908869	253.319	267.109647	310.081328	418.523	35.282105	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	339.778516	271.293	264.979294	310.165171	438.515	35.365949	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	337.914697	289.532	263.115475	310.241703	458.508	35.442481	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	336.273008	307.990	261.473786	310.311840	478.501	35.512618	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	334.817813	326.630	260.018590	310.376350	498.495	35.577128	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	333.520333	345.422	258.721111	310.435886	518.490	35.636663	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	332.552284	361.017	257.753061	310.481634	534.979	35.682412	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32

EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	105.011845	1090.544	125.474090	119.951160	1247.412	340.413405	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	104.885640	1070.659	125.347885	120.083909	1227.580	340.546154	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	104.754658	1050.778	125.216903	120.221018	1207.752	340.683263	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	104.618625	1030.902	125.080870	120.362702	1187.931	340.824947	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	104.477245	1011.031	124.939490	120.509195	1168.115	340.971440	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	104.330196	991.165	124.792441	120.660742	1148.306	341.122987	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	104.177132	971.305	124.639377	120.817609	1128.504	341.279854	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	104.017680	951.450	124.479925	120.980078	1108.709	341.442323	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	103.851432	931.602	124.313677	121.148454	1088.921	341.610699	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	103.677947	911.760	124.140192	121.323060	1069.141	341.785305	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	103.568946	899.724	124.031191	121.432197	1057.143	341.894442	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	103.497042	891.925	123.959287	121.504500	1049.370	341.966744	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	103.320809	872.075	123.783054	121.703775	1029.637	342.166020	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	103.209835	857.199	123.672080	121.879663	1014.954	342.341908	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	103.196538	855.100	123.658783	121.907057	1012.893	342.369302	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	103.179087	852.169	123.641332	121.946487	1010.020	342.408731	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	103.093033	832.202	123.555278	122.250143	990.598	342.712388	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	103.058430	812.208	123.520675	122.610904	971.387	343.073149	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	103.066967	792.209	123.529212	123.021839	952.376	343.484084	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	103.109423	772.216	123.571668	123.475650	933.540	343.937895	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	103.175591	752.232	123.637836	123.964650	914.842	344.426895	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	103.227090	738.975	123.689335	124.304579	902.490	344.766824	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	103.254243	732.253	123.716488	124.480772	896.238	344.943016	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	103.337970	712.275	123.800215	125.019235	877.698	345.481480	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	103.426529	692.299	123.888774	125.580896	859.224	346.043141	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	103.520350	672.325	123.982595	126.167193	840.819	346.629438	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	103.619917	652.351	124.082162	126.779675	822.489	347.241920	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	103.725772	632.380	124.188017	127.420017	804.239	347.882262	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	103.838532	612.410	124.300777	128.090025	786.073	348.552270	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	103.925913	597.783	124.388158	128.600774	772.824	349.063019	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	103.958855	592.443	124.421100	128.791623	767.999	349.253868	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	104.083515	572.475	124.545760	129.524164	750.007	349.986409	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	104.201184	552.502	124.663428	130.281801	732.056	350.744046	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	104.297965	532.520	124.760210	131.057616	714.101	351.519861	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	104.357782	512.526	124.820027	131.844021	696.098	352.306266	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	104.368284	500.676	124.830529	132.311597	685.388	352.773842	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	104.362092	492.527	124.824337	132.632709	677.999	353.094954	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	104.295435	472.534	124.757680	133.418419	659.783	353.880664	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	104.147930	452.563	124.610175	134.200533	641.450	354.662778	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	103.908527	432.633	124.370772	134.978709	623.004	355.440954	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	103.564185	412.764	124.026430	135.752559	604.447	356.214804	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	103.099442	392.982	123.561687	136.521646	585.784	356.983891	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	102.495867	373.315	122.958112	137.285469	567.019	357.747714	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	101.731401	353.798	122.193646	138.043457	548.153	358.505702	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	100.779526	334.471	121.241771	138.794951	529.191	359.257196	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	100.291470	326.010	120.753715	139.124549	520.788	359.586794	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	99.608637	315.385	120.070882	139.539424	510.137	360.001669	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	98.187482	296.587	118.649727	140.280551	491.005	360.742796	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	96.484392	278.122	116.946637	141.026475	471.817	361.488720	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	94.460940	260.040	114.923185	141.786897	452.594	362.249142	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	92.070091	242.402	112.532336	142.573259	433.356	363.035504	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	89.254264	225.280	109.716509	143.399116	414.126	363.861361	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	85.943246	208.763	106.405491	144.280602	394.926	364.742847	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	82.052361	192.965	102.514606	145.237014	375.782	365.699259	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	80.416723	187.231	100.878968	145.621236	368.593	366.083481	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	77.483816	178.026	97.946061	146.292872	356.726	366.755117	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	72.154622	164.045	92.616867	147.496767	337.834	367.959012	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	69.456845	158.013	89.919090	148.113211	329.319	368.575456	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	65.991814	151.088	86.454059	148.920068	319.231	369.382313	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	61.092383	142.671	81.554628	150.087490	306.363	370.549735	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	58.885716	139.344	79.347961	150.622345	301.030	371.084590	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	50.711297	129.163	71.173542	152.646906	283.318	373.109151	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	41.407340	120.990	61.869585	155.037637	266.182	375.499882	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	31.061273	115.304	51.523518	157.844188	249.726	378.306433	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	19.977731	112.529	40.439976	161.122030	234.071	381.584275	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	8.670396	112.927	29.132641	164.930733	219.365	385.392978	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	397.736476	116.510	18.198721	169.330038	205.782	389.792283	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	387.674889	123.041	8.137134	174.372615	193.523	394.834860	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	378.770172	132.122	399.232417	180.092475	182.819	0.554720	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	371.093578	143.303	391.555823	186.489058	173.915	6.951303	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	364.574100	156.168	385.036345	193.509531	167.057	13.971776	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	359.074438	170.366	379.536683	201.035597	162.459	21.497842	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	356.208068	179.380	376.670313	205.706629	160.854	26.168874	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	354.441956	185.618	374.904201	208.883810	160.271	29.346054	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	350.529736	201.701	370.991981	216.825104	160.565	37.287349	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	347.205806	218.432	367.668051	224.617079	163.327	45.079324	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	344.361361	235.672	364.823606	232.043343	168.434	52.505588	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	341.908869	253.319	362.371114	238.945178	175.682	59.407423	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	339.778516	271.293	360.240761	245.232974	184.821	65.695219	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	337.914697	289.532	358.376942	250.879182	195.584	71.341427	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	336.273008	307.990	356.735253	255.901579	207.720	76.363824	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	334.817813	326.630	355.280058	260.345337	221.002	80.807582	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	333.520333	345.422	353.982578	264.268583	235.237	84.730828	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	332.552284	361.017	353.014529	267.155861	247.576	87.618106	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	119.951160	1247.412	340.413405	105.011845	1090.544	125.474090	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	120.083909	1227.580	340.546154	104.885640	1070.659	125.347885	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	120.221018	1207.752	340.683263	104.754658	1050.778	125.216903	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	120.362702	1187.931	340.824947	104.618625	1030.902	125.080870	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	120.509195	1168.115	340.971440	104.477245	1011.031	124.939490	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	120.660742	1148.306	341.122987	104.330196	991.165	124.792441	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	120.817609	1128.504	341.279854	104.177132	971.305	124.639377	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	120.980078	1108.709	341.442323	104.017680	951.450	124.479925	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	121.148454	1088.921	341.610699	103.851432	931.602	124.313677	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	121.323060	1069.141	341.785305	103.677947	911.760	124.140192	8.220

CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	121.432197	1057.143	341.894442	103.568946	899.724	124.031191		8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	121.504500	1049.370	341.966744	103.497042	891.925	123.959287		8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	121.703775	1029.637	342.166020	103.320809	872.075	123.783054		8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	121.879663	1014.954	342.341908	103.209835	857.199	123.672080		8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	121.907057	1012.893	342.369302	103.196538	855.100	123.658783		8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	121.946487	1010.020	342.408731	103.179087	852.169	123.641332		8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	122.250143	990.598	342.712388	103.093033	832.202	123.555278		8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	122.610904	971.387	343.073149	103.058430	812.208	123.520675		8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	123.021839	952.376	343.484084	103.066967	792.209	123.529212		8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	123.475650	933.540	343.937895	103.109423	772.216	123.571668		8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	123.964650	914.842	344.426895	103.175591	752.232	123.637836		7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	124.304579	902.490	344.766824	103.227090	738.975	123.689335		7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	124.480772	896.238	344.943016	103.254243	732.253	123.716488		7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	125.019235	877.698	345.481480	103.337970	712.275	123.800215		7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	125.580896	859.224	346.043141	103.426529	692.299	123.888774		7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	126.167193	840.819	346.629438	103.520350	672.325	123.982595		8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	126.779675	822.489	347.241920	103.619917	652.351	124.082162		8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	127.420017	804.239	347.882262	103.725772	632.380	124.188017		9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	128.090025	786.073	348.552270	103.838532	612.410	124.300777	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	128.600774	772.824	349.063019	103.925913	597.783	124.388158	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	128.791623	767.999	349.253868	103.958855	592.443	124.421100	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	129.524164	750.007	349.986409	104.083515	572.475	124.545760	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	130.281801	732.056	350.744046	104.201184	552.502	124.663428	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	131.057616	714.101	351.519861	104.297965	532.520	124.760210	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	131.844021	696.098	352.306266	104.357782	512.526	124.820027	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	132.311597	685.388	352.773842	104.368284	500.676	124.830529	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	132.632709	677.999	353.094954	104.362092	492.527	124.824337	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	133.418419	659.783	353.880664	104.295435	472.534	124.757680	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	134.200533	641.450	354.662778	104.147930	452.563	124.610175	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	134.978709	623.004	355.440954	103.908527	432.633	124.370772	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	135.752559	604.447	356.214804	103.564185	412.764	124.026430	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	136.521646	585.784	356.983891	103.099442	392.982	123.561687	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	137.285469	567.019	357.747714	102.495867	373.315	122.958112	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.043457	548.153	358.505702	101.731401	353.798	122.193646	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	138.794951	529.191	359.257196	100.779526	334.471	121.241771	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	139.124549	520.788	359.586794	100.291470	326.010	120.753715	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	139.539424	510.137	360.001669	99.608637	315.385	120.070882	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	140.280551	491.005	360.742796	98.187482	296.587	118.649727	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	141.026475	471.817	361.488720	96.484392	278.122	116.946637	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	141.786897	452.594	362.249142	94.460940	260.040	114.923185	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	142.573259	433.356	363.035504	92.070091	242.402	112.532336	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	143.399116	414.126	363.861361	89.254264	225.280	109.716509	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	144.280602	394.926	364.742847	85.943246	208.763	106.405491	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	145.237014	375.782	365.699259	82.052361	192.965	102.514606	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	145.621236	368.593	366.083481	80.416723	187.231	100.878968	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	146.292872	356.726	366.755117	77.483816	178.026	97.946061	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	147.496767	337.834	367.959012	72.154622	164.045	92.616867	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	148.113211	329.319	368.575456	69.456845	158.013	89.919090	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	148.920068	319.231	369.382313	65.991814	151.088	86.454059	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	150.087490	306.363	370.549735	61.092383	142.671	81.554628	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	150.622345	301.030	371.084590	58.885716	139.344	79.347961	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	152.646906	283.318	373.109151	50.711297	129.163	71.173542	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	155.037637	266.182	375.499882	41.407340	120.990	61.869585	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	157.844188	249.726	378.306433	31.061273	115.304	51.523518	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	161.122030	234.071	381.584275	19.977731	112.529	40.439976	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	164.930733	219.365	385.392978	8.670396	112.927	29.132641	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	169.330038	205.782	389.792283	397.736476	116.510	18.198721	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	174.372615	193.523	394.834860	387.674889	123.041	8.137134	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	180.092475	182.819	0.554720	378.770172	132.122	399.232417	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	186.489058	173.915	6.951303	371.093578	143.303	391.555823	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	193.509531	167.057	13.971776	364.574100	156.168	385.036345	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	201.035597	162.459	21.497842	359.074438	170.366	379.536683	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	205.706629	160.854	26.168874	356.208068	179.380	376.670313	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	208.883810	160.271	29.346054	354.441956	185.618	374.904201	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	216.825104	160.565	37.287349	350.529736	201.701	370.991981	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	224.617079	163.327	45.079324	347.205806	218.432	367.668051	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	232.043343	168.434	52.505588	344.361361	235.672	364.823606	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	238.945178	175.682	59.407423	341.908869	253.319	362.371114	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	245.232974	184.821	65.695219	339.778516	271.293	360.240761	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	250.879182	195.584	71.341427	337.914697	289.532	358.376942	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	255.901579	207.720	76.363824	336.273008	307.990	356.735253	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	260.345337	221.002	80.807582	334.817813	326.630	355.280058	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	264.268583	235.237	84.730828	333.520333	345.422	353.982578	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	267.155861	247.576	87.618106	332.552284	361.017	353.014529	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1309.277 Dis=-212.889

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	119.951160	1247.412	297.605085	101.429781	1316.974	79.083706	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	120.083909	1227.580	297.737834	101.270899	1297.242	78.924824	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	120.221018	1207.752	297.874942	101.107110	1277.518	78.761035	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	120.362702	1187.931	298.016627	100.938185	1257.803	78.592110	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	120.509195	1168.115	298.163119	100.763882	1238.097	78.417806	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	120.660742	1148.306	298.314667	100.583941	1218.401	78.237866	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	120.817609	1128.504	298.471534	100.398089	1198.714	78.052014	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	120.980078	1108.709	298.634003	100.206033	1179.038	77.859957	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	121.148454	1088.921	298.802378	100.007459	1159.374	77.661383	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	121.323060	1069.141	298.976985	99.802035	1139.721	77.455959	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	121.432197	1057.143	299.086122	99.673893	1127.801	77.327818	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	121.504500	1049.370	299.158424	99.589638	1120.079	77.243563	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	121.703775	1029.637	299.357700	99.379785	1100.417	77.033709	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	121.879663	1014.954	299.533588	99.238360	1085.663	76.892285	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	121.907057	1012.893	299.560982	99.220199	1083.579	76.874123	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	121.946487	1010.020	299.600411	99.195686	1080.669	76.849610	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	122.250143	990.598	299.904068	99.053381	1060.814	76.707305	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	122.610904	971.387	300.264829	98.948890	1040.889	76.602814	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	123.021839	952.376	300.675764	98.875053	1020.925	76.528977	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	123.475650	933.540	301.129575	98.824066	1000.942	76.477991	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	123.964650	914.842	301.618575	98.787453	980.950	76.441377	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	124.304579	902.490	301.958504	98.766616	967.683	76.420541	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	124.480772	896.238	302.134696	98.756081	960.956	76.410005	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	125.019235	877.698	302.673160	98.723877	940.962	76.377802	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	125.580896	859.224	303.234821	98.690276	920.968	76.344201	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	126.167193	840.819	303.821117	98.655183	900.974	76.309108	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	126.779675	822.489	304.433600	98.618498	880.981	76.272422	8.496

RECTA	460.000	300.271321	0.000	421672.980	4576106.059	127.420017	804.239	305.073942	98.580108	860.987	76.234033	9.000	

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1309.277 Dis=-212.889

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	128.090025	786.073	305.743949	98.539894	840.995	76.193818	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	128.600774	772.824	306.254698	98.509200	826.350	76.163125	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	128.791623	767.999	306.445547	98.497693	821.002	76.151618	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	129.524164	750.007	307.178088	98.450484	801.011	76.104408	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	130.281801	732.056	307.935726	98.389527	781.026	76.043452	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	131.057616	714.101	308.711540	98.304576	761.052	75.958501	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	131.844021	696.098	309.497945	98.184307	741.103	75.838232	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	132.311597	685.388	309.965522	98.091328	729.301	75.745253	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	132.632709	677.999	310.286634	98.016309	721.197	75.670233	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	133.418419	659.783	311.072344	97.791024	701.357	75.444949	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	134.200533	641.450	311.854458	97.503338	681.603	75.157263	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	134.978709	623.004	312.632634	97.148001	661.958	74.801926	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	135.752559	604.447	313.406484	96.719263	642.447	74.373187	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	136.521646	585.784	314.175571	96.210832	623.096	73.864757	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	137.285469	567.019	314.939394	95.615841	603.936	73.269765	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.043457	548.153	315.697381	94.926807	585.000	72.580731	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	138.794951	529.191	316.448875	94.135613	566.323	71.789537	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	139.124549	520.788	316.778473	93.751459	558.169	71.405383	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	139.539424	510.137	317.193348	93.233701	547.947	70.887625	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	140.280551	491.005	317.934475	92.215621	529.899	69.869545	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	141.026475	471.817	318.680400	91.078825	512.194	68.732750	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	141.786897	452.594	319.440821	89.820720	494.845	67.474644	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	142.573259	433.356	320.227183	88.438535	477.859	66.092460	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	143.399116	414.126	321.053041	86.929298	461.242	64.583223	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	144.280602	394.926	321.934527	85.289794	444.997	62.943719	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	145.237014	375.782	322.890938	83.516536	429.127	61.170460	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	145.621236	368.593	323.275161	82.813290	423.248	60.467215	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	146.292872	356.726	323.946797	81.606640	413.627	59.260565	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 49 : Eje mediana C31C. Calzada Derecha

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1309.277 Dis=-212.889

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	147.496767	337.834	325.150691	79.569711	398.419	57.223636	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	148.113211	329.319	325.767135	78.605344	391.553	56.259269	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	148.920068	319.231	326.573993	77.424418	383.367	55.078342	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	150.087490	306.363	327.741414	75.850963	372.824	53.504887	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	150.622345	301.030	328.276269	75.174229	368.416	52.828154	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	152.646906	283.318	330.300831	72.805160	353.597	50.459084	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	155.037637	266.182	332.691562	70.297140	338.969	47.951064	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	157.844188	249.726	335.498113	67.627310	324.599	45.281235	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	161.122030	234.071	338.775955	64.770345	310.563	42.424270	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	164.930733	219.365	342.584657	61.698655	296.950	39.352580	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	169.330038	205.782	346.983962	58.382923	283.858	36.036848	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	174.372615	193.523	352.026540	54.793163	271.404	32.447087	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	180.092475	182.819	357.746400	50.900505	259.719	28.554430	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	186.489058	173.915	364.142983	46.679962	248.953	24.333887	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	193.509531	167.057	371.163456	42.114312	239.270	19.768237	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	201.035597	162.459	378.689522	37.199091	230.849	14.853016	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	205.706629	160.854	383.360554	34.095889	226.492	11.749814	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	208.883810	160.271	386.537734	31.948250	223.877	9.602175	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	216.825104	160.565	394.479028	26.400503	218.518	4.054428	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	224.617079	163.327	2.271004	20.620182	214.893	398.274107	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	232.043343	168.434	9.697268	14.692239	213.091	392.346164	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	238.945178	175.682	16.599103	8.715940	213.159	386.369865	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	245.232974	184.821	22.886899	2.795469	215.095	380.449393	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	250.879182	195.584	28.533107	397.029340	218.849	374.683264	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	255.901579	207.720	33.555504	391.501185	224.329	369.155109	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	260.345337	221.002	37.999262	386.273902	231.414	363.927827	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	264.268583	235.237	41.922508	381.387843	239.961	359.041767	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	267.155861	247.576	44.809785	377.629489	248.004	355.283413	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 326.719
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	302.737003	0.000	421658.445	4576153.206	298.208949	326.719	392.159089	112.269819	411.478	6.219959	9.102
RECTA	20.000	302.737003	0.000	421638.463	4576154.066	298.469960	346.672	392.420100	112.754732	391.713	6.704872	9.050
CLOT.	23.005	302.737003	0.000	421635.462	4576154.195	298.506597	349.670	392.456737	112.831837	388.746	6.781978	9.027
CLOT.	40.000	304.277114	0.000	421618.489	4576155.062	298.726296	366.620	392.676436	113.267981	371.952	7.218121	8.878
CLOT.	52.854	307.487666	0.000	421605.688	4576156.219	298.963263	379.397	392.913404	113.536876	359.192	7.487016	8.803
CLOT.	60.000	309.490072	0.000	421598.607	4576157.174	299.139569	386.464	393.089709	113.638308	352.069	7.588449	8.786
CLOT.	80.000	312.199369	0.000	421578.917	4576160.674	299.729926	406.122	393.680067	113.785097	332.086	7.735238	8.805
RECTA	82.703	312.238329	0.000	421576.264	4576161.190	299.812026	408.773	393.762167	113.797897	329.384	7.748037	8.806
RECTA	100.000	312.238329	0.000	421559.285	4576164.495	300.313667	425.755	394.263808	113.884323	312.092	7.834463	8.783
CLOT.	101.917	312.238329	0.000	421557.404	4576164.861	300.366803	427.638	394.316944	113.894493	310.176	7.844633	8.778
CLOT.	120.000	311.870637	0.000	421539.647	4576168.282	300.841084	445.427	394.791224	114.004595	292.100	7.954736	8.695
CLOT.	140.000	310.607533	0.000	421519.962	4576171.817	301.289339	465.168	395.239480	114.202281	272.120	8.152421	8.547
CLOT.	160.000	308.444887	0.000	421500.190	4576174.822	301.631105	485.004	395.581245	114.566858	252.177	8.516998	8.387
CIRC.	166.255	307.583933	0.000	421493.986	4576175.608	301.712336	491.227	395.662476	114.733002	245.957	8.683142	8.337
CIRC.	180.000	305.595147	0.000	421480.314	4576177.028	301.844970	504.933	395.795110	115.213470	232.331	9.163610	8.266
CLOT.	183.826	305.041622	0.000	421476.502	4576177.347	301.871076	508.753	395.821216	115.378436	228.552	9.328576	8.273
CLOT.	200.000	302.958434	0.000	421460.360	4576178.352	301.935341	524.918	395.885482	116.242449	212.657	10.192589	8.441
CLOT.	220.000	301.093294	0.000	421440.370	4576178.968	301.936260	544.917	395.886400	117.708551	193.211	11.658691	8.959
CLOT.	240.000	300.014103	0.000	421420.371	4576179.121	301.884998	564.912	395.835138	119.663910	174.020	13.614050	9.818
CLOT.	257.462	299.714535	0.000	421402.909	4576179.070	301.822923	582.365	395.773063	121.829682	157.491	15.779822	10.724
CLOT.	260.000	299.724286	0.000	421400.371	4576179.059	301.813790	584.902	395.763930	122.184260	155.107	16.134400	10.856
CLOT.	280.000	300.483564	0.000	421380.371	4576179.060	301.753927	604.894	395.704067	125.370681	136.480	19.320821	11.893
CLOT.	300.000	302.454009	0.000	421360.376	4576179.490	301.741571	624.893	395.691711	129.341791	118.115	23.291931	12.931
CLOT.	320.000	305.635620	0.000	421340.417	4576180.728	301.809852	644.879	395.759992	134.292666	99.990	28.242807	13.848
CIRC.	327.545	307.150607	0.000	421332.909	4576181.483	301.862647	652.405	395.812787	136.480893	93.214	30.431033	14.079
CIRC.	340.000	309.793558	0.000	421320.566	4576183.135	301.986241	664.793	395.936381	140.595790	82.117	34.545930	14.311
CIRC.	360.000	314.037690	0.000	421300.919	4576186.856	302.275111	684.553	396.225252	149.188383	64.705	43.138524	14.300
CLOT.	368.263	315.791134	0.000	421292.882	4576188.774	302.424897	692.656	396.375037	153.861566	57.766	47.811706	14.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 326.719
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	318.073260	0.000	421281.560	4576191.865	302.665195	704.092	396.615335	162.345064	48.375	56.295204	13.826
CLOT.	400.000	321.001029	0.000	421262.505	4576197.937	303.128870	723.403	397.079010	185.466747	34.993	79.416887	13.204
CLOT.	420.000	322.717631	0.000	421243.684	4576204.699	303.628699	742.557	397.578839	224.169363	29.417	118.119503	12.581
CLOT.	438.346	323.227207	0.000	421226.528	4576211.200	304.090413	760.075	398.040554	259.355957	34.940	153.306097	11.993
CLOT.	440.000	323.226239	0.000	421224.983	4576211.790	304.131341	761.655	398.081481	261.832513	35.856	155.782653	11.952
CLOT.	460.000	323.061373	0.000	421206.293	4576218.909	304.611721	780.790	398.561861	283.120288	50.042	177.070428	11.496
CLOT.	480.000	322.613564	0.000	421187.569	4576225.937	305.061738	799.994	399.011878	294.235623	67.293	188.185763	11.010

CLOT.	500.000	321.882812	0.000	421168.780	4576232.792	305.476764	819.285	399.426904	300.571393	85.809	194.521533	10.348
CLOT.	520.000	320.869119	0.000	421149.900	4576239.389	305.852527	838.677	399.802667	304.472702	104.945	198.422842	9.811
CLOT.	540.000	319.572484	0.000	421130.903	4576245.642	306.185078	858.179	0.135218	306.982469	124.431	200.932609	9.398
CIRC.	541.651	319.452804	0.000	421129.329	4576246.140	306.210484	859.794	0.160624	307.145533	126.050	201.095673	9.368
CIRC.	541.651	319.452804	0.000	421129.329	4576246.140	306.210484	859.794	0.160624	307.145533	126.050	201.095673	9.368

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 326.719

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	302.737003	0.000	421658.445	4576153.206	112.269819	411.478	6.219959	298.208949	326.719	392.159089	9.102

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 326.719

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	302.737003	0.000	421658.445	4576153.206	112.269819	411.478	6.219959	298.208949	326.719	392.159089	9.102
RECTA	20.000	302.737003	0.000	421638.463	4576154.066	112.754732	391.713	6.704872	298.469960	346.672	392.420100	9.050
CLOT.	23.005	302.737003	0.000	421635.462	4576154.195	112.831837	388.746	6.781978	298.506597	349.670	392.456737	9.027
CLOT.	40.000	304.277114	0.000	421618.489	4576155.062	113.267981	371.952	7.218121	298.726296	366.620	392.676436	8.878
CLOT.	52.854	307.487666	0.000	421605.688	4576156.219	113.536876	359.192	7.487016	298.963263	379.397	392.913404	8.803
CLOT.	60.000	309.490072	0.000	421598.607	4576157.174	113.638308	352.069	7.588449	299.139569	386.464	393.089709	8.786
CLOT.	80.000	312.199369	0.000	421578.917	4576160.674	113.785097	332.086	7.735238	299.729926	406.122	393.680067	8.805
RECTA	82.703	312.238329	0.000	421576.264	4576161.190	113.797897	329.384	7.748037	299.812026	408.773	393.762167	8.806
RECTA	100.000	312.238329	0.000	421559.285	4576164.495	113.884323	312.092	7.834463	300.313667	425.755	394.263808	8.783
CLOT.	101.917	312.238329	0.000	421557.404	4576164.861	113.894493	310.176	7.844633	300.366803	427.638	394.316944	8.778
CLOT.	120.000	311.870637	0.000	421539.647	4576168.282	114.004595	292.100	7.954736	300.841084	445.427	394.791224	8.695
CLOT.	140.000	310.607533	0.000	421519.962	4576171.817	114.202281	272.120	8.152421	301.289339	465.168	395.239480	8.547
CLOT.	160.000	308.444887	0.000	421500.190	4576174.822	114.566858	252.177	8.516998	301.631105	485.004	395.581245	8.387
CIRC.	166.255	307.583933	0.000	421493.986	4576175.608	114.733002	245.957	8.683142	301.712336	491.227	395.662476	8.337
CIRC.	180.000	305.595147	0.000	421480.314	4576177.028	115.213470	232.331	9.163610	301.844970	504.933	395.795110	8.266
CLOT.	183.826	305.041622	0.000	421476.502	4576177.347	115.378436	228.552	9.328576	301.871076	508.753	395.821216	8.273
CLOT.	200.000	302.958434	0.000	421460.360	4576178.352	116.242449	212.657	10.192589	301.935341	524.918	395.885482	8.441
CLOT.	220.000	301.093294	0.000	421440.370	4576178.968	117.708551	193.211	11.658691	301.936260	544.917	395.886400	8.959
CLOT.	240.000	300.014103	0.000	421420.371	4576179.121	119.663910	174.020	13.614050	301.884998	564.912	395.835138	9.818
CLOT.	257.462	299.714535	0.000	421402.909	4576179.070	121.829682	157.491	15.779822	301.822923	582.365	395.773063	10.724
CLOT.	260.000	299.724286	0.000	421400.371	4576179.059	122.184260	155.107	16.134400	301.813790	584.902	395.763930	10.856
CLOT.	280.000	300.483564	0.000	421380.371	4576179.060	125.370681	136.480	19.320821	301.753927	604.894	395.704067	11.893
CLOT.	300.000	302.454009	0.000	421360.376	4576179.490	129.341791	118.115	23.291931	301.741571	624.893	395.691711	12.931
CLOT.	320.000	305.635620	0.000	421340.417	4576180.728	134.292666	99.990	28.242807	301.809852	644.879	395.759992	13.848
CIRC.	327.545	307.150607	0.000	421332.909	4576181.483	136.480893	93.214	30.431033	301.862647	652.405	395.812787	14.079
CIRC.	340.000	309.793558	0.000	421320.566	4576183.135	140.595790	82.117	34.545930	301.986241	664.793	395.936381	14.311
CIRC.	360.000	314.037690	0.000	421300.919	4576186.856	149.188383	64.705	43.138524	302.275111	684.553	396.225252	14.300
CLOT.	368.263	315.791134	0.000	421292.882	4576188.774	153.861566	57.766	47.811706	302.424897	692.656	396.375037	14.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 326.719

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	318.073260	0.000	421281.560	4576191.865	162.345064	48.375	56.295204	302.665195	704.092	396.615335	13.826
CLOT.	400.000	321.001029	0.000	421262.505	4576197.937	185.466747	34.993	79.416887	303.128870	723.403	397.079010	13.204
CLOT.	420.000	322.717631	0.000	421243.684	4576204.699	224.169363	29.417	118.119503	303.628699	742.557	397.578839	12.581
CLOT.	438.346	323.227207	0.000	421226.528	4576211.200	259.355957	34.940	153.306097	304.090413	760.075	398.040554	11.993
CLOT.	440.000	323.226239	0.000	421224.983	4576211.790	261.832513	35.856	155.782653	304.131341	761.655	398.081481	11.952
CLOT.	460.000	323.061373	0.000	421206.293	4576218.909	283.120288	50.042	177.070428	304.611721	780.790	398.561861	11.496
CLOT.	480.000	322.613564	0.000	421187.569	4576225.937	294.235623	67.293	188.185763	305.061738	799.994	399.011878	11.010
CLOT.	500.000	321.882812	0.000	421168.780	4576232.792	300.571393	85.809	194.521533	305.476764	819.285	399.426904	10.348
CLOT.	520.000	320.869119	0.000	421149.900	4576239.389	304.472702	104.945	198.422842	305.852527	838.677	399.802667	9.811
CLOT.	540.000	319.572484	0.000	421130.903	4576245.642	306.982469	124.431	200.932609	306.185078	858.179	0.135218	9.398
CIRC.	541.651	319.452804	0.000	421129.329	4576246.140	307.145533	126.050	201.095673	306.210484	859.794	0.160624	9.368
CIRC.	541.651	319.452804	0.000	421129.329	4576246.140	307.145533	126.050	201.095673	306.210484	859.794	0.160624	9.368

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 541.651 Dis=-135.315

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	302.737003	0.000	421658.445	4576153.206	112.269819	411.478	237.470597	98.951448	616.846	24.152226	9.102
RECTA	20.000	302.737003	0.000	421638.463	4576154.066	112.754732	391.713	237.955509	98.824678	596.882	24.025456	9.050
CLOT.	23.005	302.737003	0.000	421635.462	4576154.195	112.831837	388.746	238.032615	98.804898	593.883	24.005675	9.027
CLOT.	40.000	304.277114	0.000	421618.489	4576155.062	113.267981	371.952	238.468759	98.674051	576.931	23.874829	8.878
CLOT.	52.854	307.487666	0.000	421605.688	4576156.219	113.536876	359.192	238.737653	98.513508	564.159	23.714286	8.803
CLOT.	60.000	309.490072	0.000	421598.607	4576157.174	113.638308	352.069	238.839086	98.385503	557.103	23.586281	8.786
CLOT.	80.000	312.199369	0.000	421578.917	4576160.674	113.785097	332.086	238.985875	97.911944	537.523	23.112722	8.805
RECTA	82.703	312.238329	0.000	421576.264	4576161.190	113.797897	329.384	238.998674	97.840218	534.888	23.040995	8.806
RECTA	100.000	312.238329	0.000	421559.285	4576164.495	113.884323	312.092	239.085100	97.363568	518.046	22.564345	8.783
CLOT.	101.917	312.238329	0.000	421557.404	4576164.861	113.894493	310.176	239.095271	97.308834	516.182	22.509612	8.778
CLOT.	120.000	311.870637	0.000	421539.647	4576168.282	114.004595	292.100	239.205373	96.776642	498.603	21.977420	8.695
CLOT.	140.000	310.607533	0.000	421519.962	4576171.817	114.202281	272.120	239.403058	96.175096	479.144	21.375873	8.547
CLOT.	160.000	308.444887	0.000	421500.190	4576174.822	114.566858	252.177	239.767636	95.595196	459.607	20.795973	8.387
CIRC.	166.255	307.583933	0.000	421493.986	4576175.608	114.733002	245.957	239.933779	95.424891	453.473	20.625668	8.337
CIRC.	180.000	305.595147	0.000	421480.314	4576177.028	115.213470	232.331	240.414247	95.077864	439.946	20.278642	8.266
CLOT.	183.826	305.041622	0.000	421476.502	4576177.347	115.378436	228.552	240.579213	94.988430	436.170	20.189208	8.273
CLOT.	200.000	302.958434	0.000	421460.360	4576178.352	116.242449	212.657	241.443226	94.644329	420.162	19.845107	8.441
CLOT.	220.000	301.093294	0.000	421440.370	4576178.968	117.708551	193.211	242.909329	94.279618	400.302	19.480396	8.959
CLOT.	240.000	300.014103	0.000	421420.371	4576179.121	119.663910	174.020	244.864687	93.953716	380.402	19.154493	9.818
CLOT.	257.462	299.714535	0.000	421402.909	4576179.070	121.829682	157.491	247.030460	93.672200	363.017	18.872977	10.724
CLOT.	260.000	299.724286	0.000	421400.371	4576179.059	122.184260	155.107	247.385037	93.629701	360.491	18.830479	10.856
CLOT.	280.000	300.483564	0.000	421380.371	4576179.060	125.370681	136.480	250.571458	93.256084	340.597	18.456861	11.893
CLOT.	300.000	302.454009	0.000	421360.376	4576179.490	129.341791	118.115	254.542569	92.751698	320.770	17.952475	12.931
CLOT.	320.000	305.635620	0.000	421340.417	4576180.728	134.292666	99.990	259.493444	92.012164	301.101	17.212942	13.848
CIRC.	327.545	307.150607	0.000	421332.909	4576181.483	136.480893	93.214	261.681670	91.646271	293.752	16.847048	14.079
CIRC.	340.000	309.793558	0.000	421320.566	4576183.135	140.595790	82.117	265.796568	90.911158	281.749	16.111936	14.311
CIRC.	360.000	314.037690	0.000	421300.919	4576186.856	149.188383	64.705	274.389161	89.342285	262.911	14.543063	14.300
CLOT.	368.263	315.791134	0.000	421292.882	4576188.774	153.861566	57.766	279.062343	88.536797	255.327	13.737575	14.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 50 : Ramal de conexion B20 C32 a C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 419.311 Dis= 29.409
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 541.651 Dis=-135.315

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	318.073260	0.000	421281.560	4576191.865	162.345064	48.375	287.545842	87.218497	244.794	12.419274	13.826
CLOT.	400.000	321.001029	0.000	421262.505	4576197.937	185.466747	34.993	310.667524	84.489931	227.542	9.690709	13.204
CLOT.	420.000	322.717631	0.000	421243.684	4576204.699	224.169363	29.417	349.370141	81.141518	211.200	6.342296	12.581
CLOT.	438.346	323.227207	0.000	421226.528	4576211.200	259.355957	34.940	384.556735	77.512168	197.009	2.712946	11.993
CLOT.	440.000	323.226239	0.000	421224.983	4576211.790	261.832513	35.856	387.033290	77.158330	195.767	2.359108	11.952
CLOT.	460.000	323.061373	0.000	421206.293	4576218.909	283.120288	50.042	8.321066	72.507873	181.250	397.708651	11.496
CLOT.	480.000	322.613564	0.000	421187.569	4576225.937	294.235623	67.293	19.436401	67.105981	167.790	392.306759	11.010
CLOT.	500.000	321.882812	0.000	421168.780	4576232.792	300.571393	85.809	25.772170	60.859506	155.589	386.060284	10.348
CLOT.	520.000	320.869119	0.000	421149.900	4576239.389	304.472702	104.945	29.673480	53.691471	144.888	378.892248	9.811

CLOT.	540.000	319.572484	0.000	421130.903	4576245.642	306.982469	124.431	32.183246	45.567988	135.963	370.768765	9.398
CIRC.	541.651	319.452804	0.000	421129.329	4576246.140	307.145533	126.050	32.346311	44.855371	135.315	370.056149	9.368
CIRC.	541.651	319.452804	0.000	421129.329	4576246.140	307.145533	126.050	32.346311	44.855371	135.315	370.056149	9.368

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 292.828
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	300.494882	292.828	394.445022	109.720944	442.782	3.671084	7.892
CLOT.	16.440	301.152872	0.000	421675.778	4576164.971	300.529860	309.267	394.480000	110.050228	426.496	4.000368	7.991
CLOT.	20.000	301.169829	0.000	421672.219	4576165.036	300.537013	312.827	394.487153	110.124815	422.971	4.074955	8.012
CLOT.	40.000	301.895702	0.000	421652.225	4576165.489	300.591486	332.825	394.541626	110.554137	403.166	4.504277	8.132
CLOT.	60.000	303.692214	0.000	421632.243	4576166.339	300.711254	352.814	394.661394	110.962630	383.327	4.912770	8.252
CLOT.	80.000	306.559364	0.000	421612.307	4576167.919	300.943121	372.768	394.893261	111.288261	363.420	5.238401	8.364
CLOT.	80.723	306.683109	0.000	421611.588	4576167.994	300.954102	373.489	394.904242	111.297560	362.698	5.247700	8.367
CLOT.	100.000	309.502550	0.000	421592.472	4576170.463	301.307856	392.646	395.257996	111.472696	343.448	5.422836	8.449
CLOT.	120.000	311.376498	0.000	421572.745	4576173.755	301.753413	412.446	395.703553	111.531059	323.451	5.481199	8.508
CLOT.	140.000	312.179806	0.000	421553.092	4576177.462	302.219464	432.206	396.169604	111.508893	303.451	5.459033	8.548
RECTA	145.006	312.213346	0.000	421548.177	4576178.416	302.333316	437.151	396.283456	111.497264	298.445	5.447405	8.558
CLOT.	148.906	312.213346	0.000	421544.349	4576179.159	302.420339	441.005	396.370479	111.487783	294.546	5.437923	8.566
CLOT.	160.000	311.941530	0.000	421533.456	4576181.259	302.657567	451.973	396.607708	111.462932	283.452	5.413073	8.588
CLOT.	180.000	310.078046	0.000	421513.763	4576184.746	303.016785	471.802	396.966925	111.486154	263.453	5.436294	8.628
CLOT.	184.937	309.346063	0.000	421508.883	4576185.497	303.086094	476.712	397.036235	111.519862	258.518	5.470002	8.638
CLOT.	200.000	307.449866	0.000	421493.949	4576187.459	303.246064	491.725	397.196204	111.718073	243.476	5.668213	8.668
CLOT.	220.000	306.480853	0.000	421474.064	4576189.597	303.385606	511.695	397.335746	112.156033	223.541	6.106173	8.707
RECTA	220.969	306.478780	0.000	421473.100	4576189.695	303.391450	512.662	397.341590	112.180710	222.576	6.130850	8.709
RECTA	240.000	306.478780	0.000	421454.167	4576191.628	303.501918	531.672	397.452058	112.712909	203.628	6.663049	8.726
CLOT.	252.740	306.478780	0.000	421441.493	4576192.923	303.571559	544.399	397.521699	113.128188	190.953	7.078328	8.724
CLOT.	260.000	306.544988	0.000	421434.271	4576193.663	303.610094	551.651	397.560234	113.389574	183.734	7.339714	8.719
CLOT.	280.000	307.412293	0.000	421414.388	4576195.825	303.724971	571.625	397.675111	114.180970	163.851	8.131110	8.685
CLOT.	298.809	309.144993	0.000	421395.736	4576198.242	303.867565	590.388	397.817705	114.954354	145.136	8.904494	8.648
CLOT.	300.000	309.281044	0.000	421394.557	4576198.414	303.878312	591.575	397.828453	115.001781	143.950	8.951921	8.645
CLOT.	320.000	311.033683	0.000	421374.816	4576201.617	304.086072	611.478	398.036212	115.768815	124.015	9.718955	8.605
CLOT.	340.000	311.781313	0.000	421355.141	4576205.208	304.320126	631.347	398.270266	116.590277	104.069	10.540417	8.565
RECTA	344.878	311.811207	0.000	421350.347	4576206.107	304.377357	636.191	398.327497	116.825539	99.206	10.775679	8.556
RECTA	360.000	311.811207	0.000	421335.484	4576208.896	304.549588	651.213	398.499728	117.725841	84.139	11.675981	8.525

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 292.828
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	311.811207	0.000	421315.828	4576212.586	304.765533	671.087	398.715673	119.564524	64.252	13.514664	8.485
RECTA	400.000	311.811207	0.000	421296.171	4576216.275	304.969053	690.968	398.919193	123.044901	44.467	16.995041	8.445
RECTA	420.000	311.811207	0.000	421276.514	4576219.964	305.161188	710.856	399.111328	132.006053	25.025	25.956193	8.405
CLOT.	434.347	311.811207	0.000	421262.413	4576222.611	305.292525	725.126	399.242665	155.833887	12.241	49.784027	8.383
CLOT.	440.000	311.951984	0.000	421256.858	4576223.658	305.343224	730.749	399.293364	183.114230	8.667	77.064370	8.382
CLOT.	460.000	314.710418	0.000	421237.278	4576227.725	305.547724	750.606	399.497864	284.507019	17.834	178.457159	8.423
CLOT.	480.000	320.993392	0.000	421218.041	4576233.169	305.857609	770.252	399.807749	301.997048	36.563	195.947188	8.530
CIRC.	489.924	325.419425	0.000	421208.767	4576236.696	306.074743	779.815	0.024883	306.471168	46.057	200.421308	8.607
CIRC.	500.000	330.353630	0.000	421199.645	4576240.968	306.347694	789.311	0.297835	310.276158	55.665	204.226298	8.688
CIRC.	520.000	340.147781	0.000	421182.650	4576251.475	307.038709	807.314	0.988849	316.813395	74.520	210.763535	8.848
CIRC.	540.000	349.941931	0.000	421167.466	4576264.462	307.906620	823.915	1.856760	322.692498	92.964	216.642638	9.008
CLOT.	542.854	351.339326	0.000	421165.469	4576266.500	308.043383	826.151	1.993523	323.500566	95.554	217.450706	9.030
CLOT.	560.000	358.440807	0.000	421154.361	4576279.550	308.919631	838.895	2.869771	328.189682	110.923	222.139822	9.168
CLOT.	580.000	363.451018	0.000	421142.925	4576295.952	310.013094	852.635	3.963235	333.102903	128.667	227.053043	9.328
RECTA	598.430	364.947544	0.000	421133.160	4576311.582	311.036897	864.840	4.987037	336.925857	145.169	230.875997	9.475
RECTA	600.000	364.947544	0.000	421132.339	4576312.919	311.123351	865.880	5.073491	337.216292	146.591	231.166432	9.488
RECTA	620.000	364.947544	0.000	421121.875	4576329.964	312.206957	879.275	6.157097	340.474984	164.939	234.425124	9.648
RECTA	640.000	364.947544	0.000	421111.411	4576347.008	313.257750	892.917	7.207890	343.075927	183.633	237.026068	9.808
CLOT.	655.740	364.947544	0.000	421103.175	4576360.422	314.062265	903.820	8.012405	344.776343	198.524	238.726483	9.933
CLOT.	660.000	364.787106	0.000	421100.943	4576364.050	314.276473	906.798	8.226614	345.192368	202.577	239.142508	9.968
CLOT.	680.000	359.743765	0.000	421089.928	4576380.737	315.231359	921.352	9.181499	346.763880	221.875	240.714020	10.128
CIRC.	698.093	349.087121	0.000	421078.169	4576394.460	315.948578	936.087	9.898718	347.375214	239.810	241.325354	10.246
CLOT.	698.791	348.564776	0.000	421077.667	4576394.944	315.971984	936.694	9.922124	347.379420	240.508	241.329560	10.249
CLOT.	700.000	347.671949	0.000	421076.787	4576395.773	316.011698	937.752	9.961838	347.383106	241.717	241.333246	10.255
CLOT.	720.000	336.657156	0.000	421060.922	4576407.910	316.531495	956.170	10.481635	346.940240	261.615	240.890380	10.299
CLOT.	740.000	332.715916	0.000	421043.726	4576418.116	316.887046	975.426	10.837186	346.033200	281.235	239.983340	10.260
CIRC.	741.144	332.704352	0.000	421042.730	4576418.678	316.905383	976.534	10.855523	345.979624	282.353	239.929764	10.255
CIRC.	760.000	362.715254	0.000	421029.053	4576431.405	317.462531	993.110	11.412671	346.086988	301.029	240.037129	10.171

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 292.828
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	765.100	370.832847	0.000	421026.512	4576435.823	317.690219	996.759	11.640359	346.425689	305.864	240.375829	10.148
CIRC.	780.000	332.891414	0.000	421016.440	4576446.502	318.163672	1009.402	12.113812	346.674401	320.493	240.624541	10.081
CIRC.	800.000	281.961832	0.000	420997.101	4576448.769	317.961387	1028.602	11.911527	344.544583	336.567	238.494723	9.992
CIRC.	818.610	234.571920	0.000	420982.687	4576437.684	317.063560	1039.464	11.013700	341.226185	340.920	235.176325	10.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 292.828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	109.720944	442.782	3.671084	300.494882	292.828	394.445022	7.892
CLOT.	16.440	301.152872	0.000	421675.778	4576164.971	110.050228	426.496	4.000368	300.529860	309.267	394.480000	7.991
CLOT.	20.000	301.169829	0.000	421672.219	4576165.036	110.124815	422.971	4.074955	300.537013	312.827	394.487153	8.012
CLOT.	40.000	301.895702	0.000	421652.225	4576165.489	110.554137	403.166	4.504277	300.591486	332.825	394.541626	8.132
CLOT.	60.000	303.692214	0.000	421632.243	4576166.339	110.962630	383.327	4.912770	300.711254	352.814	394.661394	8.252
CLOT.	80.000	306.559364	0.000	421612.307	4576167.919	111.288261	363.420	5.238401	300.943121	372.768	394.893261	8.364
CLOT.	80.723	306.683109	0.000	421611.588	4576167.994	111.297560	362.698	5.247700	300.954102	373.489	394.904242	8.367
CLOT.	100.000	309.502550	0.000	421592.472	4576170.463	111.472696	343.448	5.422836	301.307856	392.646	395.257996	8.449
CLOT.	120.000	311.376498	0.000	421572.745	4576173.755	111.531059	323.451	5.481199	301.753413	412.446	395.703553	8.508
CLOT.	140.000	312.179806	0.000	421553.092	4576177.462	111.508893	303.451	5.459033	302.219464	432.206	396.169604	8.548
RECTA	145.006	312.213346	0.000	421548.177	4576178.416	111.497264	298.445	5.447405	302.333316	437.151	396.283456	8.558
CLOT.	148.906	312.213346	0.000	421544.349	4576179.159	111.487783	294.546	5.437923	302.420339	441.005	396.370479	8.566
CLOT.	160.000	311.941530	0.000	421533.456	4576181.259	111.462932	283.452	5.413073	302.657567	451.973	396.607708	8.588
CLOT.	180.000	310.078046	0.000	421513.763	4576184.746	111.486154	263.453	5.436294	303.016785	471.802	396.966925	8.628
CLOT.	184.937	309.346063	0.000	421508.883	4576185.497	111.519862	258.518	5.470002	303.086094	476.712	397.036235	8.638
CLOT.	200.000	307.449866	0.000	421493.949	4576187.459	111.718073	243.476	5.668213	303.246064	491.725	397.196204	8.668
CLOT.	220.000	306.480853	0.000	421474.064	4576189.597	112.156033	223.541	6.106173	303.385606	511.695	397.335746	8.707
RECTA	220.969	306.478780	0.000	421473.100	4576189.695	112.180710	222.576	6.130850	303.391450	512.662	397.341590	8.709
RECTA	240.000	306.478780	0.000	421454.167	4576191.628	112.712909	203.628	6.663049	303.501918	531.672	397.452058	8.726
CLOT.	252.740	306.478780	0.000	421441.493	4576192.923	113.128188	190.953	7.078328	303.571559	544.399	397.521699	8.724
CLOT.	260.000	306.544988	0.000	421434.271	4576193.663	113.389574	183.734	7.339714	303.610094	551.651	397.560234	8.719
CLOT.	280.000	307.412293	0.000	421414.388	4576195.825	114.180970	163.851	8.131110	303.724971	571.625	397.675111	8.685
CLOT.	298.809	309.144993	0.000	421395.736	4576198.242	114.954354	145.136	8.904494	303.867565	590.388	397.817705	8.648
CLOT.	300.000	309.281044	0.000	421394.557	4576198.414	115.001781	143.950	8.951921	303.878312	591.575	397.828453	8.645
CLOT.	320.000	311.033683	0.000	421374.816	4576201.617	115.768815	124.015	9.718955	304.086072	611.478	398.036212	8.605
CLOT.	340.000	311.781313	0.000	421355.141	4576205.208	116.590277	104.069	10.540417	304.320126	631.347	398.270266	8.565
RECTA	344.878	311.811207	0.000	421350.347	4576206.107	116.825539	99.206	10.775679	304.377357	636.191	398.327497	8.556
RECTA	360.000	311.811207	0.000	421335.484	4576208.896	117.725841	84.139	11.675981	304.549588	651.213	398.499728	8.525

Istram 21.04

PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 292.828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	311.811207	0.000	421315.828	4576212.586	119.564524	64.252	13.514664	304.765533	671.087	398.715673	8.485
RECTA	400.000	311.811207	0.000	421296.171	4576216.275	123.044901	44.467	16.995041	304.969053	690.968	398.919193	8.445
RECTA	420.000	311.811207	0.000	421276.514	4576219.964	132.006053	25.025	25.956193	305.161188	710.856	399.111328	8.405
CLOT.	434.347	311.811207	0.000	421262.413	4576222.611	155.833887	12.241	49.784027	305.292525	725.126	399.242665	8.383
CLOT.	440.000	311.951984	0.000	421256.858	4576223.658	183.114230	8.667	77.064370	305.343224	730.749	399.293364	8.382
CLOT.	460.000	314.710418	0.000	421237.278	4576227.725	284.507019	17.834	178.457159	305.547724	750.606	399.497864	8.423
CLOT.	480.000	320.993392	0.000	421218.041	4576233.169	301.997048	36.563	195.947188	305.857609	770.252	399.807749	8.530
CIRC.	489.924	325.419425	0.000	421208.767	4576236.696	306.471168	46.057	200.421308	306.074743	779.815	0.024883	8.607
CIRC.	500.000	330.353630	0.000	421199.645	4576240.968	310.276158	55.665	204.226298	306.347694	789.311	0.297835	8.688
CIRC.	520.000	340.147781	0.000	421182.650	4576251.475	316.813395	74.520	210.763535	307.038709	807.314	0.988849	8.848
CIRC.	540.000	349.941931	0.000	421167.466	4576264.462	322.692498	92.964	216.642638	307.906620	823.915	1.856760	9.008
CLOT.	542.854	351.339326	0.000	421165.469	4576266.500	323.500566	95.554	217.450706	308.043383	826.151	1.993523	9.030
CLOT.	560.000	358.440807	0.000	421154.361	4576279.550	328.189682	110.923	222.139822	308.919631	838.895	2.869771	9.168
CLOT.	580.000	363.451018	0.000	421142.925	4576295.952	333.102903	128.667	227.053043	310.013094	852.635	3.963235	9.328
RECTA	598.430	364.947544	0.000	421133.160	4576311.582	336.925857	145.169	230.875997	311.036897	864.840	4.987037	9.475
RECTA	600.000	364.947544	0.000	421132.339	4576312.919	337.216292	146.591	231.166432	311.123351	865.880	5.073491	9.488
RECTA	620.000	364.947544	0.000	421121.875	4576329.964	340.474984	164.939	234.425124	312.206957	879.275	6.157097	9.648
RECTA	640.000	364.947544	0.000	421111.411	4576347.008	343.075927	183.633	237.026068	313.257750	892.917	7.207890	9.808
CLOT.	655.740	364.947544	0.000	421103.175	4576360.422	344.776343	198.524	238.726483	314.062265	903.820	8.012405	9.933
CLOT.	660.000	364.787106	0.000	421100.943	4576364.050	345.192368	202.577	239.142508	314.276473	906.798	8.226614	9.968
CLOT.	680.000	359.743765	0.000	421089.928	4576380.737	346.763880	221.875	240.714020	315.231359	921.352	9.181499	10.128
CIRC.	698.093	349.087121	0.000	421078.169	4576394.460	347.375214	239.810	241.325354	315.948578	936.087	9.898718	10.246
CLOT.	698.791	348.564776	0.000	421077.667	4576394.944	347.379420	240.508	241.329560	315.971984	936.694	9.922124	10.249
CLOT.	700.000	347.671949	0.000	421076.787	4576395.773	347.383106	241.717	241.333246	316.011698	937.752	9.961838	10.255
CLOT.	720.000	336.657156	0.000	421060.922	4576407.910	346.940240	261.615	240.890380	316.531495	956.170	10.481635	10.299
CLOT.	740.000	332.715916	0.000	421043.726	4576418.116	346.033200	281.235	239.983340	316.887046	975.426	10.837186	10.260
CIRC.	741.144	332.704352	0.000	421042.730	4576418.678	345.979624	282.353	239.929764	316.905383	976.534	10.855523	10.255
CIRC.	760.000	362.715254	0.000	421029.053	4576431.405	346.086988	301.029	240.037129	317.462531	993.110	11.412671	10.171

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 292.828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	765.100	370.832847	0.000	421026.512	4576435.823	346.425689	305.864	240.375829	317.690219	996.759	11.640359	10.148
CIRC.	780.000	332.891414	0.000	421016.440	4576446.502	346.674401	320.493	240.624541	318.163672	1009.402	12.113812	10.081
CIRC.	800.000	281.961832	0.000	420997.101	4576448.769	344.544583	336.567	238.494723	317.961387	1028.602	11.911527	9.992
CIRC.	818.610	234.571920	0.000	420982.687	4576437.684	341.226185	340.920	235.176325	317.063560	1039.464	11.013700	10.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 541.385 Dis=-174.810

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	109.720944	442.782	234.921721	97.884402	650.892	23.085179	7.892

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 541.385 Dis=-174.810

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	109.720944	442.782	234.921721	97.884402	650.892	23.085179	7.892
CLOT.	16.440	301.152872	0.000	421675.778	4576164.971	110.050228	426.496	235.251005	97.799747	634.474	23.000525	7.991
CLOT.	20.000	301.169829	0.000	421672.219	4576165.036	110.124815	422.971	235.325592	97.780806	630.920	22.981583	8.012
CLOT.	40.000	301.895702	0.000	421652.225	4576165.489	110.554137	403.166	235.754914	97.660970	610.954	22.861748	8.132
CLOT.	60.000	303.692214	0.000	421632.243	4576166.339	110.962630	383.327	236.163408	97.490474	591.019	22.691252	8.252
CLOT.	80.000	306.559364	0.000	421612.307	4576167.919	111.288261	363.420	236.489039	97.226879	571.166	22.427657	8.364
CLOT.	80.723	306.683109	0.000	421611.588	4576167.994	111.297560	362.698	236.498337	97.215012	570.451	22.415789	8.367
CLOT.	100.000	309.502550	0.000	421592.472	4576170.463	111.472696	343.448	236.673473	96.833798	551.471	22.034575	8.449
CLOT.	120.000	311.376498	0.000	421572.745	4576173.755	111.531059	323.451	236.731836	96.322876	531.949	21.523654	8.508
CLOT.	140.000	312.179806	0.000	421553.092	4576177.462	111.508893	303.451	236.709671	95.722344	512.566	20.923121	8.548
RECTA	145.006	312.213346	0.000	421548.177	4576178.416	111.497264	298.445	236.698042	95.561663	507.728	20.762440	8.558
CLOT.	148.906	312.213346	0.000	421544.349	4576179.159	111.487783	294.546	236.688561	95.434265	503.962	20.635043	8.566
CLOT.	160.000	311.941530	0.000	421533.456	4576181.259	111.462932	283.452	236.663710	95.063205	493.255	20.263982	8.588
CLOT.	180.000	310.078046	0.000	421513.763	4576184.746	111.486154	263.453	236.686932	94.391246	473.918	19.592023	8.628
CLOT.	184.937	309.346063	0.000	421508.883	4576185.497	111.519862	258.518	236.720640	94.231457	469.124	19.432234	8.638
CLOT.	200.000	307.449866	0.000	421493.949	4576187.459	111.718073	243.476	236.918850	93.768485	454.441	18.969263	8.668
CLOT.	220.000	306.480853	0.000	421474.064	4576189.597	112.156033	223.541	237.356811	93.172527	434.879	18.373305	8.707
RECTA	220.969	306.478780	0.000	421473.100	4576189.695	112.180710	222.576	237.381487	93.143033	433.932	18.343810	8.709
RECTA	240.000	306.478780	0.000	421454.167	4576191.628	112.712909	203.628	237.913686	92.536423	415.335	17.737200	8.726
CLOT.	252.740	306.478780	0.000	421441.493	4576192.923	113.128188	190.953	238.328965	92.099065	402.909	17.299842	8.724
CLOT.	260.000	306.544988	0.000	421434.271	4576193.663	113.389574	183.734	238.590351	91.837183	395.838	17.037960	8.719
CLOT.	280.000	307.412293	0.000	421414.388	4576195.825	114.180970	163.851	239.381747	91.044567	376.424	16.245345	8.685
CLOT.	298.809	309.144993	0.000	421395.736	4576198.242	114.954354	145.136	240.155132	90.154681	358.329	15.355459	8.648
CLOT.	300.000	309.281044	0.000	421394.557	4576198.414	115.001781	143.950	240.202559	90.092089	357.192	15.292867	8.645
CLOT.	320.000	311.033683	0.000	421374.816	4576201.617	115.768815	124.015	240.969592	88.920458	338.243	14.121235	8.605
CLOT.	340.000	311.781313	0.000	421355.141	4576205.208	116.590277	104.069	241.791054	87.537159	319.562	12.737936	8.565
RECTA	344.878	311.811207	0.000	421350.347	4576206.107	116.825539	99.206	242.026316	87.170482	315.039	12.371259	8.556
RECTA	360.000	311.811207	0.000	421335.484	4576208.896	117.725841	84.139	242.926619	85.963526	301.090	11.164304	8.525

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 541.385 Dis=-174.810

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	311.811207	0.000	421315.828	4576212.586	119.564524	64.252	244.765301	84.185290	282.827	9.386067	8.485
RECTA	400.000	311.811207	0.000	421296.171	4576216.275	123.044901	44.467	248.245678	82.163379	264.814	7.364156	8.445
RECTA	420.000	311.811207	0.000	421276.514	4576219.964	132.006053	25.025	257.206830	79.849078	247.107	5.049856	8.405
CLOT.	434.347	311.811207	0.000	421262.413	4576222.611	155.833887	12.241	281.034665	77.975468	234.632	3.176246	8.383
CLOT.	440.000	311.951984	0.000	421256.858	4576223.658	183.114230	8.667	308.315008	77.180706	229.779	2.381484	8.382
CLOT.	460.000	314.710418	0.000	421237.278	4576227.725	284.507019	17.834	9.707797	73.990062	213.137	399.190840	8.423
CLOT.	480.000	320.993392	0.000	421218.041	4576233.169	301.997048	36.563	27.197825	69.924757	198.051	395.125535	8.530
CIRC.	489.924	325.419425	0.000	421208.767	4576236.696	306.471168	46.057	31.671946	67.477681	191.539	392.678459	8.607
CIRC.	500.000	330.353630	0.000	421199.645	4576240.968	310.276158	55.665	35.476936	64.672258	185.851	389.873036	8.688
CIRC.	520.000	340.147781	0.000	421182.650	4576251.475	316.813395	74.520	42.014173	58.259466	177.844	383.460244	8.848
CIRC.	540.000	349.941931	0.000	421167.466	4576264.462	322.692498	92.964	47.893275	51.124872	174.823	376.325650	9.008
CLOT.	542.854	351.339326	0.000	421165.469	4576266.500	323.500566	95.554	48.701343	50.085769	174.824	375.286546	9.030
CLOT.	560.000	358.440807	0.000	421154.361	4576279.550	328.189682	110.923	53.390459	43.931462	177.001	369.132239	9.168
CLOT.	580.000	363.451018	0.000	421142.925	4576295.952	333.102903	128.667	58.303681	37.232862	183.384	362.433639	9.328
RECTA	598.430	364.947544	0.000	421133.160	4576311.582	336.925857	145.169	62.126635	31.657862	191.760	356.858640	9.475
RECTA	600.000	364.947544	0.000	421132.339	4576312.919	337.216292	146.591	62.417069	31.208269	192.549	356.409047	9.488
RECTA	620.000	364.947544	0.000	421121.875	4576329.964	340.474984	164.939	65.675761	25.800507	203.392	351.001284	9.648
RECTA	640.000	364.947544	0.000	421111.411	4576347.008	343.075927	183.633	68.276705	20.970984	215.550	346.171762	9.808
CLOT.	655.740	364.947544	0.000	421103.175	4576360.422	344.776343	198.524	69.977121	17.550496	225.905	342.751273	9.933
CLOT.	660.000	364.787106	0.000	421100.943	4576364.050	345.192368	202.577	70.393145	16.678190	228.810	341.878967	9.968
CLOT.	680.000	359.743765	0.000	421089.928	4576380.737	346.763880	221.875	71.964657	12.748566	242.537	337.949344	10.128
CIRC.	698.093	349.087121	0.000	421078.169	4576394.460	347.375214	239.810	72.575991	9.174848	254.047	334.375625	10.246
CLOT.	698.791	348.564776	0.000	421077.667	4576394.944	347.379420	240.508	72.580198	9.033124	254.454	334.233901	10.249

CLOT.	700.000	347.671949	0.000	421076.787	4576395.773	347.383106	241.717	72.583884	8.786484	255.153	333.987262	10.255
CLOT.	720.000	336.657156	0.000	421060.922	4576407.910	346.940240	261.615	72.141018	4.616191	265.561	329.816969	10.299
CLOT.	740.000	332.715916	0.000	421043.726	4576418.116	346.033200	281.235	71.233978	0.472783	275.076	325.673561	10.260
CIRC.	741.144	332.704352	0.000	421042.730	4576418.678	345.979624	282.353	71.180402	0.241794	275.633	325.442572	10.255
CIRC.	760.000	362.715254	0.000	421029.053	4576431.405	346.086988	301.029	71.287766	397.213382	288.634	322.414159	10.171

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 541.385 Dis=-174.810

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	765.100	370.832847	0.000	421026.512	4576435.823	346.425689	305.864	71.626466	396.704099	293.169	321.904876	10.148
CIRC.	780.000	332.891414	0.000	421016.440	4576446.502	346.674401	320.493	71.875178	394.716337	304.504	319.917115	10.081
CIRC.	800.000	281.961832	0.000	420997.101	4576448.769	344.544583	336.567	69.745361	390.781437	308.955	315.982214	9.992
CIRC.	818.610	234.571920	0.000	420982.687	4576437.684	341.226185	340.920	66.426963	387.419128	300.486	312.619905	10.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786
Distancia: 376.316 Azimut: 337.652946
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 818.610 Dis= 40.706

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	109.720944	442.782	172.067997	122.535256	799.597	384.882309	7.892

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 818.610 Dis= 40.706
Distancia: 376.316 Azimut: 137.652946
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	122.535256	799.597	384.882309	109.720944	442.782	172.067997	7.892
CLOT.	16.440	301.152872	0.000	421675.778	4576164.971	122.975209	784.094	385.322263	110.050228	426.496	172.397281	7.991
CLOT.	20.000	301.169829	0.000	421672.219	4576165.036	123.072742	780.743	385.419796	110.124815	422.971	172.471868	8.012
CLOT.	40.000	301.895702	0.000	421652.225	4576165.489	123.629645	761.915	385.976698	110.554137	403.166	172.901190	8.132
CLOT.	60.000	303.692214	0.000	421632.243	4576166.339	124.182790	743.015	386.529843	110.962630	383.327	173.309684	8.252
CLOT.	80.000	306.559364	0.000	421612.307	4576167.919	124.703760	723.938	387.050814	111.288261	363.420	173.635315	8.364
CLOT.	80.723	306.683109	0.000	421611.588	4576167.994	124.721601	723.244	387.068655	111.297560	362.698	173.644613	8.367
CLOT.	100.000	309.502550	0.000	421592.472	4576170.463	125.169137	704.633	387.516190	111.472696	343.448	173.819749	8.449
CLOT.	120.000	311.376498	0.000	421572.745	4576173.755	125.592715	685.176	387.939768	111.531059	323.451	173.878112	8.508
CLOT.	140.000	312.179806	0.000	421553.092	4576177.462	126.001915	665.653	388.348968	111.508893	303.451	173.855947	8.548
RECTA	145.006	312.213346	0.000	421548.177	4576178.416	126.105649	660.765	388.452703	111.497264	298.445	173.844318	8.558
CLOT.	148.906	312.213346	0.000	421544.349	4576179.159	126.187467	656.958	388.534520	111.487783	294.546	173.834837	8.566
CLOT.	160.000	311.941530	0.000	421533.456	4576181.259	126.426992	646.138	388.774045	111.462932	283.452	173.809986	8.588
CLOT.	180.000	310.078046	0.000	421513.763	4576184.746	126.909610	626.729	389.256664	111.486154	263.453	173.833208	8.628
CLOT.	184.937	309.346063	0.000	421508.883	4576185.497	127.044408	621.972	389.391462	111.519862	258.518	173.866916	8.638
CLOT.	200.000	307.449866	0.000	421493.949	4576187.459	127.502065	607.573	389.849119	111.718073	243.476	174.065126	8.668
CLOT.	220.000	306.480853	0.000	421474.064	4576189.597	128.192526	588.654	390.539580	112.156033	223.541	174.503087	8.707
RECTA	220.969	306.478780	0.000	421473.100	4576189.695	128.227628	587.741	390.574682	112.180710	222.576	174.527763	8.709
RECTA	240.000	306.478780	0.000	421454.167	4576191.628	128.939944	569.846	391.286998	112.712909	203.628	175.059962	8.726
CLOT.	252.740	306.478780	0.000	421441.493	4576192.923	129.442296	557.907	391.789350	113.128188	190.953	175.475241	8.724
CLOT.	260.000	306.544988	0.000	421434.271	4576193.663	129.737996	551.120	392.085049	113.389574	183.734	175.736627	8.719
CLOT.	280.000	307.412293	0.000	421414.388	4576195.825	130.577773	532.440	392.924826	114.180970	163.851	176.528023	8.685
CLOT.	298.809	309.144993	0.000	421395.736	4576198.242	131.378460	514.822	393.725513	114.954354	145.136	177.301408	8.648
CLOT.	300.000	309.281044	0.000	421394.557	4576198.414	131.428808	513.703	393.775861	115.001781	143.950	177.348835	8.645
CLOT.	320.000	311.033683	0.000	421374.816	4576201.617	132.269422	494.844	394.616476	115.768815	124.015	178.115868	8.605
CLOT.	340.000	311.781313	0.000	421355.141	4576205.208	133.127161	475.943	395.474214	116.590277	104.069	178.937330	8.565
RECTA	344.878	311.811207	0.000	421350.347	4576206.107	133.343767	471.339	395.690820	116.825539	99.206	179.172592	8.556
RECTA	360.000	311.811207	0.000	421335.484	4576208.896	134.042621	457.101	396.389674	117.725841	84.139	180.072895	8.525

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 818.610 Dis= 40.706
Distancia: 376.316 Azimut: 137.652946
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	311.811207	0.000	421315.828	4576212.586	135.036466	438.362	397.383520	119.564524	64.252	181.911577	8.485
RECTA	400.000	311.811207	0.000	421296.171	4576216.275	136.118786	419.739	398.465840	123.044901	44.467	185.391954	8.445
RECTA	420.000	311.811207	0.000	421276.514	4576219.964	137.301227	401.248	399.648280	132.006053	25.025	194.353107	8.405
CLOT.	434.347	311.811207	0.000	421262.413	4576222.611	138.218652	388.076	0.565705	155.833887	12.241	218.180941	8.383
CLOT.	440.000	311.951984	0.000	421256.858	4576223.658	138.596780	382.908	0.943834	183.114230	8.667	245.461284	8.382
CLOT.	460.000	314.710418	0.000	421237.278	4576227.725	139.961520	364.583	2.308573	284.507019	17.834	346.854073	8.423
CLOT.	480.000	320.993392	0.000	421218.041	4576233.169	141.229935	345.885	3.576989	301.997048	36.563	364.344101	8.530
CIRC.	489.924	325.419425	0.000	421208.767	4576236.696	141.756566	336.373	4.103619	306.471168	46.057	368.818222	8.607
CIRC.	500.000	330.353630	0.000	421199.645	4576240.968	142.181057	326.545	4.528110	310.276158	55.665	372.623212	8.688
CIRC.	520.000	340.147781	0.000	421182.650	4576251.475	142.631668	306.691	4.978721	316.813395	74.520	379.160449	8.848
CIRC.	540.000	349.941931	0.000	421167.466	4576264.462	142.463546	286.726	4.810600	322.692498	92.964	385.039551	9.008
CLOT.	542.854	351.339326	0.000	421165.469	4576266.500	142.381583	283.896	4.728637	323.500566	95.554	385.847619	9.030
CLOT.	560.000	358.440807	0.000	421154.361	4576279.550	141.570633	267.121	3.917686	328.189682	110.923	390.536735	9.168
CLOT.	580.000	363.451018	0.000	421142.925	4576295.952	140.010716	248.148	2.357769	333.102903	128.667	395.449957	9.328
RECTA	598.430	364.947544	0.000	421133.160	4576311.582	138.109551	231.162	0.456604	336.925857	145.169	399.272911	9.475
RECTA	600.000	364.947544	0.000	421132.339	4576312.919	137.931573	229.731	0.278627	337.216292	146.591	399.563345	9.488
RECTA	620.000	364.947544	0.000	421121.875	4576329.964	135.454170	211.665	397.801223	340.474984	164.939	2.822037	9.648
RECTA	640.000	364.947544	0.000	421111.411	4576347.008	132.519867	193.979	394.866921	343.075927	183.633	5.422981	9.808
CLOT.	655.740	364.947544	0.000	421103.175	4576360.422	129.810448	180.401	392.157502	344.776343	198.524	7.123397	9.933
CLOT.	660.000	364.787106	0.000	421100.943	4576364.050	129.007219	176.786	391.354272	345.192368	202.577	7.539421	9.968
CLOT.	680.000	359.743765	0.000	421089.928	4576380.737	124.967959	159.873	387.315013	346.763880	221.875	9.110933	10.128
CIRC.	698.093	349.087121	0.000	421078.169	4576394.460	121.346486	143.994	383.693540	347.375214	239.810	9.722267	10.246
CLOT.	698.791	348.564776	0.000	421077.667	4576394.944	121.216917	143.361	383.563971	347.379420	240.508	9.726474	10.249
CLOT.	700.000	347.671949	0.000	421076.787	4576395.773	120.994991	142.259	383.342045	347.383106	241.717	9.730160	10.255
CLOT.	720.000	336.657156	0.000	421060.922	4576407.910	117.722167	123.482	380.069221	346.940240	261.615	9.287294	10.299
CLOT.	740.000	332.715916	0.000	421043.726	4576418.116	114.615039	104.267	376.962093	346.033200	281.235	8.380254	10.260
CIRC.	741.144	332.704352	0.000	421042.730	4576418.678	114.417174	103.170	376.764227	345.979624	282.353	8.326678	10.255
CIRC.	760.000	362.715254	0.000	421029.053	4576431.405	107.614218	87.484	369.961272	346.086988	301.029	8.434042	10.171

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 818.610 Dis= 40.706
Distancia: 376.316 Azimut: 137.652946
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 443.824 Dis= 7.786

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	765.100	370.832847	0.000	421026.512	4576435.823	104.537600	84.533	366.884654	346.425689	305.864	8.772742	10.148
CIRC.	780.000	332.891414	0.000	421016.440	4576446.502	96.010007	74.392	358.357061	346.674401	320.493	9.021454	10.081
CIRC.	800.000	281.961832	0.000	420997.101	4576448.769	92.012182	55.342	354.359236	344.544583	336.567	6.891637	9.992
CIRC.	818.610	234.571920	0.000	420982.687	4576437.684	106.515277	40.706	368.862331	341.226185	340.920	3.573239	10.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR510                 X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     818.610 Dis=  40.706
                                                                        Distancia:   314.924  Azimut: 179.537755
 BO : BR516                 X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     541.385 Dis=-174.810
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	122.535256	799.597	342.997501	97.884402	650.892	118.346647	7.892
CLOT.	16.440	301.152872	0.000	421675.778	4576164.971	122.975209	784.094	343.437454	97.799747	634.474	118.261992	7.991
CLOT.	20.000	301.169829	0.000	421672.219	4576165.036	123.072742	780.743	343.534987	97.780806	630.920	118.243051	8.012
CLOT.	40.000	301.895702	0.000	421652.225	4576165.489	123.629645	761.915	344.091890	97.660970	610.954	118.123215	8.132
CLOT.	60.000	303.692214	0.000	421632.243	4576166.339	124.182790	743.015	344.645035	97.490474	591.019	117.952719	8.252
CLOT.	80.000	306.559364	0.000	421612.307	4576167.919	124.703760	723.938	345.166005	97.226879	571.166	117.689124	8.364
CLOT.	80.723	306.683109	0.000	421611.588	4576167.994	124.721601	723.244	345.183846	97.215012	570.451	117.677257	8.367
CLOT.	100.000	309.502550	0.000	421592.472	4576170.463	125.169137	704.633	345.631382	96.833798	551.471	117.296043	8.449
CLOT.	120.000	311.376498	0.000	421572.745	4576173.755	125.592715	685.176	346.054960	96.322876	531.949	116.785121	8.508
CLOT.	140.000	312.179806	0.000	421553.092	4576177.462	126.001915	665.653	346.464160	95.722344	512.566	116.184589	8.548
RECTA	145.006	312.213346	0.000	421548.177	4576178.416	126.105649	660.765	346.567894	95.561663	507.728	116.023907	8.558
CLOT.	148.906	312.213346	0.000	421544.349	4576179.159	126.187467	656.958	346.649712	95.434265	503.962	115.896510	8.566
CLOT.	160.000	311.941530	0.000	421533.456	4576181.259	126.426992	646.138	346.889237	95.063205	493.255	115.525450	8.588
CLOT.	180.000	310.078046	0.000	421513.763	4576184.746	126.909610	626.729	347.371855	94.391246	473.918	114.853491	8.628
CLOT.	184.937	309.346063	0.000	421508.883	4576185.497	127.044408	621.972	347.506653	94.231457	469.124	114.693702	8.638
CLOT.	200.000	307.449866	0.000	421493.949	4576187.459	127.502065	607.573	347.964310	93.768485	454.441	114.230730	8.668
CLOT.	220.000	306.480853	0.000	421474.064	4576189.597	128.192526	588.654	348.654771	93.172527	434.879	113.634772	8.707
RECTA	220.969	306.478780	0.000	421473.100	4576189.695	128.227628	587.741	348.689873	93.143033	433.932	113.605278	8.709
RECTA	240.000	306.478780	0.000	421454.167	4576191.628	128.939944	569.846	349.402189	92.536423	415.335	112.998668	8.726
CLOT.	252.740	306.478780	0.000	421441.493	4576192.923	129.442296	557.907	349.904541	92.099065	402.909	112.561310	8.724
CLOT.	260.000	306.544988	0.000	421434.271	4576193.663	129.737996	551.120	350.200241	91.837183	395.838	112.299428	8.719
CLOT.	280.000	307.412293	0.000	421414.388	4576195.825	130.577773	532.440	351.040018	91.044567	376.424	111.506812	8.685
CLOT.	298.809	309.144993	0.000	421395.736	4576198.242	131.378460	514.822	351.840705	90.154681	358.329	110.616926	8.648
CLOT.	300.000	309.281044	0.000	421394.557	4576198.414	131.428808	513.703	351.891053	90.092089	357.192	110.554334	8.645
CLOT.	320.000	311.033683	0.000	421374.816	4576201.617	132.269422	494.844	352.731667	88.920458	338.243	109.382703	8.605
CLOT.	340.000	311.781313	0.000	421355.141	4576205.208	133.127161	475.943	353.589405	87.537159	319.562	107.999404	8.565
RECTA	344.878	311.811207	0.000	421350.347	4576206.107	133.343767	471.339	353.806012	87.170482	315.039	107.632727	8.556
RECTA	360.000	311.811207	0.000	421335.484	4576208.896	134.042621	457.101	354.504866	85.963526	301.090	106.425771	8.525

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   51 : Via de Servicio B20 - C31C_ 01

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR510                 X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     818.610 Dis=  40.706
                                                                        Distancia:   314.924  Azimut: 179.537755
 BO : BR516                 X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     541.385 Dis=-174.810
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	311.811207	0.000	421315.828	4576212.586	135.036466	438.362	355.498711	84.185290	282.827	104.647535	8.485
RECTA	400.000	311.811207	0.000	421296.171	4576216.275	136.118786	419.739	356.581031	82.163379	264.814	102.625624	8.445
RECTA	420.000	311.811207	0.000	421276.514	4576219.964	137.301227	401.248	357.763472	79.849078	247.107	100.311323	8.405
CLOT.	434.347	311.811207	0.000	421262.413	4576222.611	138.218652	388.076	358.680896	77.975468	234.632	98.437713	8.383
CLOT.	440.000	311.951984	0.000	421256.858	4576223.658	138.596780	382.908	359.059025	77.180706	229.779	97.642951	8.382
CLOT.	460.000	314.710418	0.000	421237.278	4576227.725	139.961520	364.583	360.423765	73.990062	213.137	94.452307	8.423
CLOT.	480.000	320.993392	0.000	421218.041	4576233.169	141.229935	345.885	361.692180	69.924757	198.051	90.387002	8.530
CIRC.	489.924	325.419425	0.000	421208.767	4576236.696	141.756566	336.373	362.218811	67.477681	191.539	87.939926	8.607
CIRC.	500.000	330.353630	0.000	421199.645	4576240.968	142.181057	326.545	362.643302	64.672258	185.851	85.134503	8.688
CIRC.	520.000	340.147781	0.000	421182.650	4576251.475	142.631668	306.691	363.093913	58.259466	177.844	78.721711	8.848
CIRC.	540.000	349.941931	0.000	421167.466	4576264.462	142.463546	286.726	362.925791	51.124872	174.823	71.587117	9.008
CLOT.	542.854	351.339326	0.000	421165.469	4576266.500	142.381583	283.896	362.843828	50.085769	174.824	70.548014	9.030
CLOT.	560.000	358.440807	0.000	421154.361	4576279.550	141.570633	267.121	362.032878	43.931462	177.001	64.393707	9.168
CLOT.	580.000	363.451018	0.000	421142.925	4576295.952	140.010716	248.148	360.472961	37.232862	183.384	57.695107	9.328
RECTA	598.430	364.947544	0.000	421133.160	4576311.582	138.109551	231.162	358.571796	31.657862	191.760	52.120107	9.475
RECTA	600.000	364.947544	0.000	421132.339	4576312.919	137.931573	229.731	358.393818	31.208269	192.549	51.670514	9.488
RECTA	620.000	364.947544	0.000	421121.875	4576329.964	135.454170	211.665	355.916415	25.800507	203.392	46.262752	9.648
RECTA	640.000	364.947544	0.000	421111.411	4576347.008	132.519867	193.979	352.982112	20.970984	215.550	41.433229	9.808
CLOT.	655.740	364.947544	0.000	421103.175	4576360.422	129.810448	180.401	350.272693	17.550496	225.905	38.012741	9.933
CLOT.	660.000	364.787106	0.000	421100.943	4576364.050	129.007219	176.786	349.469464	16.678190	228.810	37.140435	9.968
CLOT.	680.000	359.743765	0.000	421089.928	4576380.737	124.967959	159.873	345.430204	12.748566	242.537	33.210811	10.128
CIRC.	698.093	349.087121	0.000	421078.169	4576394.460	121.346486	143.994	341.808731	9.174848	254.047	29.637093	10.246
CLOT.	698.791	348.564776	0.000	421077.667	4576394.944	121.216917	143.361	341.679162	9.033124	254.454	29.495369	10.249
CLOT.	700.000	347.671949	0.000	421076.787	4576395.773	120.994991	142.259	341.457236	8.786484	255.153	29.248729	10.255
CLOT.	720.000	336.657156	0.000	421060.922	4576407.910	117.722167	123.482	338.184412	4.616191	265.561	25.078436	10.299
CLOT.	740.000	332.715916	0.000	421043.726	4576418.116	114.615039	104.267	335.077284	0.472783	275.076	20.935028	10.260
CIRC.	741.144	332.704352	0.000	421042.730	4576418.678	114.417174	103.170	334.879419	0.241794	275.633	20.704039	10.255
CIRC.	760.000	362.715254	0.000	421029.053	4576431.405	107.614218	87.484	328.076463	397.213382	288.634	17.675627	10.171

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   51 : Via de Servicio B20 - C31C_ 01

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR510                 X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     818.610 Dis=  40.706
                                                                        Distancia:   314.924  Azimut: 179.537755
 BO : BR516                 X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     541.385 Dis=-174.810
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	765.100	370.832847	0.000	421026.512	4576435.823	104.537600	84.533	324.999845	396.704099	293.169	17.166344	10.148
CIRC.	780.000	332.891414	0.000	421016.440	4576446.502	96.010007	74.392	316.472252	394.716337	304.504	15.178582	10.081
CIRC.	800.000	281.961832	0.000	420997.101	4576448.769	92.012182	55.342	312.474427	390.781437	308.955	11.243682	9.992
CIRC.	818.610	234.571920	0.000	420982.687	4576437.684	106.515277	40.706	326.977522	387.419128	300.486	7.881373	10.000

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   51 : Via de Servicio B20 - C31C_ 01

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR510                 X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     818.610 Dis=  40.706
                                                                        Distancia:   196.794  Azimut: 368.691718
 BO : BR509                 X:  420849.267  Y: 4576615.315  Z:   8.609  PK:     809.974 Dis= 220.518
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	301.152872	0.000	421692.216	4576164.673	122.535256	799.597	153.843538	131.254469	955.846	362.562751	7.892
CLOT.	16.440	301.152872	0.000	421675.778	4576164.971	122.975209	784.094	154.283491	131.760878	941.239	363.069160	7.991
CLOT.	20.000	301.169829	0.000	421672.219	4576165.036	123.072742	780.743	154.381024	131.872580	938.084	363.180862	8.012
CLOT.	40.000	301.895702	0.000	421652.225	4576165.489	123.629645	761.915	154.937926	132.508929	920.372	363.817210	8.132
CLOT.	60.000	303.692214	0.000	421632.243	4576166.339	124.182790	743.015	155.491071	133.145486	902.569	364.453768	8.252
CLOT.	80.000	306.559364	0.000	421612.307	4576167.919	124.703760	723.938	156.012042	133.760560	884.530	365.068842	8.364
CLOT.	80.723	306.683109	0.000	421611.588	4576167.994	124.721601	723.244	156.029883	133.782101	883.872	365.090383	8.367
CLOT.	100.000	309.502550	0.000	421592.472	4576170.463	125.169137	704.633	156.477419	134.336696	866.168	365.644978	8.449
CLOT.	120.000	311.376498	0.000	421572.745	4576173.755	125.592715	685.176	156.900996	134.885464	847.582	366.193746	8.508
CLOT.	140.000	312.179806	0.000	421553.092	4576177.462	126.001915	665.653	157.310197	135.428830	828.906	366.737112	8.548
RECTA	145.006	312.213346	0.000	421548.177	4576178.416	126.105649	660.765	157.413931	135.566793	824.231	366.875075	8.558
CLOT.	148.906	312.213346	0.000	421544.349	4576179.159	126.187467	656.958	157.495749	135.675312	820.592	366.983593	8.566
CLOT.	160.000	311.941530	0.000	421533.456	4576181.259	126.426992	646.138	157.735274	135.990483	810.258	367.298764	8.588
CLOT.	180.000	310.078046	0.000	421513.763	4576184.746	126.909610	626.729	158.217892	136.601950	791.798	367.910232	8.628
CLOT.	184.937	309.346063	0.000	421508.883	4576185.497	127.044408	621.972	158.352690	136.765566	787.297	368.073848	8.638
CLOT.	200.000	307.449866	0.000	421493.949	4576187.459	127.502065	607.573	158.810347	137.301160	773.742	368.609442	8.668
CLOT.	220.000	306.480853	0.000	421474.064	4576189.597	128.192526	588.654	159.500808	138.077088	756.047	369.385370	8.707
RECTA	220.969	306.478780	0.000	421473.100	4576189.695	128.227628	587.741	159.535910	138.115980	755.195	369.424262	8.709
RECTA	240.000	306.478780	0.000	421454.167	4576191.628	128.939944	569.846	160.248226	138.898122	738.522	370.206404	8.726
CLOT.	252.740	306.478780	0.000	421441.493	4576192.923	129.442296	557.907	160.750578	139.441707	727.425	370.749989	8.724
CLOT.	260.000	306.544988	0.000	421434.271	4576193.663	129.737996	551.120	161.046278	139.758727	721.124	371.067009	8.719
CLOT.	280.000	307.412293	0.000	421414.388	4576195.825	130.577773	532.440	161.886054	140.651717	703.800	371.959999	8.685
CLOT.	298.809	309.144993	0.000	421395.736	4576198.242	131.378460	514.822	162.686742	141.501565	687.443	372.809847	8.648
CLOT.	300.000	309.281044	0.000	421394.557	4576198.414	131.428808	513.703	162.737090	141.555209	686.402	372.863491	8.645
CLOT.	320.000	311.033683	0.000	421374.816	4576201.617	132.269422	494.844	163.577704	142.454275	668.841	373.762557	8.605
CLOT.	340.000	311.781313	0.000	421355.141	4576205.208	133.127161	475.943	164.435442	143.368165	651.227	374.676446	8.565
RECTA	344.878	311.811207	0.000	421350.347	4576206.107	133.343767	471.339	164.652048	143.596552	646.941	374.904834	8.556
RECTA	360.000	311.811207	0.000	421335.484	4576208.896	134.042621	457.101	165.350903	144.323929	633.706	375.632211	8.525

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   51 : Via de Servicio B20 - C31C_ 01

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR510                 X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     818.610 Dis=  40.706
                                                                        Distancia:   196.794  Azimut: 368.691718
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BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 809.974 Dis= 220.518

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	311.811207	0.000	421315.828	4576212.586	136.036466	438.362	166.344748	145.333735	616.336	376.642017	8.485
RECTA	400.000	311.811207	0.000	421296.171	4576216.275	136.118786	419.739	167.427068	146.401825	599.129	377.710107	8.445
RECTA	420.000	311.811207	0.000	421276.514	4576219.964	137.301227	401.248	168.609508	147.532737	582.102	378.841019	8.405
CLOT.	434.347	311.811207	0.000	421262.413	4576222.611	138.218652	388.076	169.526933	148.385443	570.005	379.693725	8.383
CLOT.	440.000	311.951984	0.000	421256.858	4576223.658	138.596780	382.908	169.905062	148.731008	565.266	380.039290	8.382
CLOT.	460.000	314.710418	0.000	421237.278	4576227.725	139.961520	364.583	171.269802	149.965509	548.433	381.273790	8.423
CLOT.	480.000	320.993392	0.000	421218.041	4576233.169	141.229935	345.885	172.538217	151.133532	531.065	382.441813	8.530
CIRC.	489.924	325.419425	0.000	421208.767	4576236.696	141.756566	336.373	173.064848	151.648655	522.104	382.956937	8.607
CIRC.	500.000	330.353630	0.000	421199.645	4576240.968	142.181057	326.545	173.489338	152.104727	512.738	383.413009	8.688
CIRC.	520.000	340.147781	0.000	421182.650	4576251.475	142.631668	306.691	173.939949	152.779189	493.481	384.087471	8.848
CIRC.	540.000	349.941931	0.000	421167.466	4576264.462	142.463546	286.726	173.771828	153.104648	473.655	384.412930	9.008
CLOT.	542.854	351.339326	0.000	421165.469	4576266.500	142.381583	283.896	173.689865	153.119578	470.803	384.427860	9.030
CLOT.	560.000	358.440807	0.000	421154.361	4576279.550	141.570633	267.121	172.878915	153.044554	453.674	384.352836	9.168
CLOT.	580.000	363.451018	0.000	421142.925	4576295.952	140.010716	248.148	171.318998	152.667909	433.853	383.976191	9.328
RECTA	598.430	364.947544	0.000	421133.160	4576311.582	138.109551	231.162	169.417832	152.148643	415.751	383.456925	9.475
RECTA	600.000	364.947544	0.000	421132.339	4576312.919	137.931573	229.731	169.239855	152.100471	414.213	383.408753	9.488
RECTA	620.000	364.947544	0.000	421121.875	4576329.964	135.454170	211.665	166.762452	151.453791	394.639	382.762073	9.648
RECTA	640.000	364.947544	0.000	421111.411	4576347.008	132.519867	193.979	163.828149	150.739697	375.111	382.047979	9.808
CLOT.	655.740	364.947544	0.000	421103.175	4576360.422	129.810448	180.401	161.118730	150.123240	359.778	381.431522	9.933
CLOT.	660.000	364.787106	0.000	421100.943	4576364.050	129.007219	176.786	160.315501	149.947901	355.633	381.256183	9.968
CLOT.	680.000	359.743765	0.000	421089.928	4576380.737	124.967959	159.873	156.276241	149.185229	336.072	380.493510	10.128
CIRC.	698.093	349.087121	0.000	421078.169	4576394.460	121.346486	143.994	152.654768	148.861078	318.077	380.169360	10.246
CLOT.	698.791	348.564776	0.000	421077.667	4576394.944	121.216917	143.361	152.525199	148.861155	317.380	380.169437	10.249
CLOT.	700.000	347.671949	0.000	421076.787	4576395.773	120.994991	142.259	152.303273	148.864005	316.171	380.172287	10.255
CLOT.	720.000	336.657156	0.000	421060.922	4576407.910	117.722167	123.482	149.030449	149.354276	296.335	380.662558	10.299
CLOT.	740.000	332.715916	0.000	421043.726	4576418.116	114.615039	104.267	145.923321	150.445430	276.951	381.753712	10.260
CIRC.	741.144	332.704352	0.000	421042.730	4576418.678	114.417174	103.170	145.725455	150.518015	275.852	381.826297	10.255
CIRC.	760.000	362.715254	0.000	421029.053	4576431.405	107.614218	87.484	138.922500	150.721939	257.189	382.030221	10.171

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 51 : Via de Servicio B20 - C31C_ 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 818.610 Dis= 40.706
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 809.974 Dis= 220.518

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	765.100	370.832847	0.000	421026.512	4576435.823	104.537600	84.533	135.845882	150.401022	252.256	381.709304	10.148
CIRC.	780.000	332.891414	0.000	421016.440	4576446.502	96.010007	74.392	127.318289	150.310748	237.580	381.619030	10.081
CIRC.	800.000	281.961832	0.000	420997.101	4576448.769	92.012182	55.342	123.320464	153.784781	222.694	385.093063	9.992
CIRC.	818.610	234.571920	0.000	420982.687	4576437.684	106.515277	40.706	137.823559	158.988327	222.156	390.296609	10.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 219.807 Dis=-189.942

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	46.750152	350.641915	227.475	371.104160	15.716
CLOT.	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	46.750152	350.641915	227.475	371.104160	15.716
CLOT.	20.000	380.842557	0.000	420874.972	4576324.038	233.011365	135.635	53.473610	352.613099	246.070	373.075344	15.442
CIRC.	36.281	399.072243	0.000	420872.201	4576340.025	238.339866	123.555	58.802111	354.767860	259.855	375.230105	15.059
CIRC.	40.000	4.440667	0.000	420872.304	4576343.742	239.407935	120.451	59.870180	355.374287	262.617	375.836532	14.972
CIRC.	60.000	33.312312	0.000	420878.098	4576362.706	243.339184	101.838	63.801429	359.248895	273.880	379.711139	14.502
CIRC.	80.000	62.183957	0.000	420891.614	4576377.214	242.274714	82.068	62.736959	363.717474	278.127	384.179719	14.016
CIRC.	100.000	91.055602	0.000	420910.121	4576384.334	232.387052	65.848	52.849297	368.220556	274.823	388.682801	13.418
CIRC.	120.000	119.927247	0.000	420929.876	4576382.625	213.055857	60.485	33.518102	372.202710	264.383	392.664955	12.690
CIRC.	140.000	148.798892	0.000	420946.886	4576372.434	195.702783	69.567	16.165028	375.051797	248.203	395.514042	11.847
CIRC.	160.000	177.670537	0.000	420957.712	4576355.821	188.638085	87.410	9.100330	376.070349	228.744	396.532594	10.987
CIRC.	180.000	206.542182	0.000	420960.164	4576336.144	189.279221	107.215	9.741466	374.569124	209.599	395.031368	10.127
CIRC.	200.000	235.413827	0.000	420953.748	4576317.382	194.107230	124.996	14.569475	370.259329	195.257	390.721573	9.267
CIRC.	220.000	264.285472	0.000	420939.759	4576303.328	201.118809	138.537	21.581054	363.941612	189.943	384.403857	8.613
CLOT.	234.327	284.967487	0.000	420926.614	4576297.792	206.858971	144.891	27.321216	359.294700	192.839	379.756945	8.437
CLOT.	240.000	292.516828	0.000	420921.030	4576296.804	209.224194	146.575	29.686439	357.643146	195.444	378.105391	8.435
CLOT.	260.000	308.916192	0.000	420901.097	4576297.444	217.651994	150.133	38.114239	352.978460	208.813	373.440705	8.478
RECTA	270.608	311.154920	0.000	420890.631	4576299.171	222.078156	151.704	42.540401	351.050995	217.236	371.513240	8.479
RECTA	280.000	311.154920	0.000	420881.383	4576300.808	225.916297	153.587	46.378542	349.491763	224.910	369.954008	8.480
RECTA	286.445	311.154920	0.000	420875.036	4576301.932	228.490146	155.195	48.952391	348.482273	230.251	368.944518	8.483

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 286.445 Dis=-224.064

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	3.941832	19.792337	229.663	397.446262	15.716

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 219.807 Dis=-189.942

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	46.750152	350.641915	227.475	371.104160	15.716

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 219.807 Dis=-189.942

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	46.750152	350.641915	227.475	371.104160	15.716

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 95.639 Dis=-238.608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	257.596189	193.204289	311.579	24.512571	15.716
CLOT.	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	257.596189	193.204289	311.579	24.512571	15.716
CLOT.	20.000	380.842557	0.000	420874.972	4576324.038	233.011365	135.635	264.319647	194.396474	292.409	25.704756	15.442
CIRC.	36.281	399.072243	0.000	420872.201	4576340.025	238.339866	123.555	269.648148	194.708538	276.243	26.016820	15.059
CIRC.	40.000	4.440667	0.000	420872.304	4576343.742	239.407935	120.451	270.716217	194.612597	272.549	25.920879	14.972
CIRC.	60.000	33.312312	0.000	420878.098	4576362.706	243.339184	101.838	274.647466	192.765468	254.249	24.073749	14.502
CIRC.	80.000	62.183957	0.000	420891.614	4576377.214	242.274714	82.068	273.582995	188.794612	241.838	20.102894	14.016
CIRC.	100.000	91.055602	0.000	420910.121	4576384.334	232.387052	65.848	263.695334	183.600349	238.863	14.908631	13.418
CIRC.	120.000	119.927247	0.000	420929.876	4576382.625	213.055857	60.485	244.364139	178.769628	246.257	10.077909	12.690
CIRC.	140.000	148.798892	0.000	420946.886	4576372.434	195.702783	69.567	227.011065	175.670765	261.764	6.979047	11.847
CIRC.	160.000	177.670537	0.000	420957.712	4576355.821	188.638085	87.410	219.946367	174.799498	281.243	6.107780	10.987
CIRC.	180.000	206.542182	0.000	420960.164	4576336.144	189.279221	107.215	220.587503	175.927978	300.391	7.236260	10.127
CIRC.	200.000	235.413827	0.000	420953.748	4576317.382	194.107230	124.996	225.415512	178.527789	315.722	9.836071	9.267
CIRC.	220.000	264.285472	0.000	420939.759	4576303.328	201.118809	138.537	232.427091	182.027898	324.846	13.336180	8.613
CLOT.	234.327	284.967487	0.000	420926.614	4576297.792	206.858971	144.891	238.167253	184.788614	326.808	16.096896	8.437
CLOT.	240.000	292.516828	0.000	420921.030	4576296.804	209.224194	146.575	240.532476	185.891953	326.496	17.200234	8.435
CLOT.	260.000	308.916192	0.000	420901.097	4576297.444	217.651994	150.133	248.960276	189.710257	322.069	21.018539	8.478

RECTA	270.608	311.154920	0.000	420890.631	4576299.171	222.078156	151.704	253.386438	191.717602	318.839	23.025883	8.479
RECTA	280.000	311.154920	0.000	420881.383	4576300.808	225.916297	153.587	257.224579	193.521641	316.142	24.829923	8.480
RECTA	286.445	311.154920	0.000	420875.036	4576301.932	228.490146	155.195	259.798427	194.776903	314.441	26.085184	8.483

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 219.807 Dis=-189.942

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	46.750152	350.641915	227.475	371.104160	15.716
CLOT.	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	46.750152	350.641915	227.475	371.104160	15.716
CLOT.	20.000	380.842557	0.000	420874.972	4576324.038	233.011365	135.635	53.473610	352.613099	246.070	373.075344	15.442
CIRC.	36.281	399.072243	0.000	420872.201	4576340.025	238.339866	123.555	58.802111	354.767860	259.855	375.230105	15.059
CIRC.	40.000	4.440667	0.000	420872.304	4576343.742	239.407935	120.451	59.870180	355.374287	262.617	375.836532	14.972
CIRC.	60.000	33.312312	0.000	420878.098	4576362.706	243.339184	101.838	63.801429	359.248895	273.880	379.711139	14.502
CIRC.	80.000	62.183957	0.000	420891.614	4576377.214	242.274714	82.068	62.736959	363.717474	278.127	384.179719	14.016
CIRC.	100.000	91.055602	0.000	420910.121	4576384.334	232.387052	65.848	52.849297	368.220556	274.823	388.682801	13.418
CIRC.	120.000	119.927247	0.000	420929.876	4576382.625	213.055857	60.485	33.518102	372.202710	264.383	392.664955	12.690
CIRC.	140.000	148.798892	0.000	420946.886	4576372.434	195.702783	69.567	16.165028	375.051797	248.203	395.514042	11.847
CIRC.	160.000	177.670537	0.000	420957.712	4576355.821	188.638085	87.410	9.100330	376.070349	228.744	396.532594	10.987
CIRC.	180.000	206.542182	0.000	420960.164	4576336.144	189.279221	107.215	9.741466	374.569124	209.599	395.031368	10.127
CIRC.	200.000	235.413827	0.000	420953.748	4576317.382	194.107230	124.996	14.569475	370.259329	195.257	390.721573	9.267
CIRC.	220.000	264.285472	0.000	420939.759	4576303.328	201.118809	138.537	21.581054	363.941612	189.943	384.403857	8.613
CLOT.	234.327	284.967487	0.000	420926.614	4576297.792	206.858971	144.891	27.321216	359.294700	192.839	379.756945	8.437
CLOT.	240.000	292.516828	0.000	420921.030	4576296.804	209.224194	146.575	29.686439	357.643146	195.444	378.105391	8.435
CLOT.	260.000	308.916192	0.000	420901.097	4576297.444	217.651994	150.133	38.114239	352.978460	208.813	373.440705	8.478
RECTA	270.608	311.154920	0.000	420890.631	4576299.171	222.078156	151.704	42.540401	351.050995	217.236	371.513240	8.479
RECTA	280.000	311.154920	0.000	420881.383	4576300.808	225.916297	153.587	46.378542	349.491763	224.910	369.954008	8.480
RECTA	286.445	311.154920	0.000	420875.036	4576301.932	228.490146	155.195	48.952391	348.482273	230.251	368.944518	8.483

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 53 : Lazo B25 a C31C (Sant Boi)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 117.247 Dis= -60.337
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 286.445 Dis=-224.064

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	3.941832	19.792337	229.663	397.446262	15.716
CLOT.	0.000	372.884810	0.000	420882.464	4576305.510	226.287907	148.844	3.941832	19.792337	229.663	397.446262	15.716
CLOT.	20.000	380.842557	0.000	420874.972	4576324.038	233.011365	135.635	10.665290	16.469166	245.346	394.123091	15.442
CIRC.	36.281	399.072243	0.000	420872.201	4576340.025	238.339866	123.555	15.993791	14.812992	260.180	392.466917	15.059
CIRC.	40.000	4.440667	0.000	420872.304	4576343.742	239.407935	120.451	17.061859	14.630288	263.821	392.284213	14.972
CIRC.	60.000	33.312312	0.000	420878.098	4576362.706	243.339184	101.838	20.993109	14.926950	283.609	392.580875	14.502
CIRC.	80.000	62.183957	0.000	420891.614	4576377.214	242.274714	82.068	19.928638	16.994832	301.019	394.648757	14.016
CIRC.	100.000	91.055602	0.000	420910.121	4576384.334	232.387052	65.848	10.040977	20.243224	313.176	397.897149	13.418
CIRC.	120.000	119.927247	0.000	420929.876	4576382.625	213.055857	60.485	390.709782	24.105334	318.316	1.759259	12.690
CIRC.	140.000	148.798892	0.000	420946.886	4576372.434	195.702783	69.567	373.356708	28.054143	315.742	5.708067	11.847
CIRC.	160.000	177.670537	0.000	420957.712	4576355.821	188.638085	87.410	366.292010	31.569541	305.799	9.223466	10.987
CIRC.	180.000	206.542182	0.000	420960.164	4576336.144	189.279221	107.215	366.933146	34.099994	289.889	11.753919	10.127
CIRC.	200.000	235.413827	0.000	420953.748	4576317.382	194.107230	124.996	371.761155	35.055109	270.510	12.709033	9.267
CIRC.	220.000	264.285472	0.000	420939.759	4576303.328	201.118809	138.537	378.772734	33.897942	251.255	11.551867	8.613
CLOT.	234.327	284.967487	0.000	420926.614	4576297.792	206.858971	144.891	384.512896	31.638277	239.963	9.292201	8.437
CLOT.	240.000	292.516828	0.000	420921.030	4576296.804	209.224194	146.575	386.878119	30.443819	236.475	8.097744	8.435
CLOT.	260.000	308.916192	0.000	420901.097	4576297.444	217.651994	150.133	395.305919	25.427611	228.579	3.081536	8.478
RECTA	270.608	311.154920	0.000	420890.631	4576299.171	222.078156	151.704	399.732081	22.525652	226.335	0.179576	8.479
RECTA	280.000	311.154920	0.000	420881.383	4576300.808	225.916297	153.587	3.570222	19.908139	224.856	397.562063	8.480
RECTA	286.445	311.154920	0.000	420875.036	4576301.932	228.490146	155.195	6.144070	18.093913	224.064	395.747838	8.483

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 0.000 Dis= 120.222
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	319.893681	0.000	421134.996	4576244.331	306.529679	120.222	31.730457	47.393599	137.716	372.594377	9.474

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 0.000 Dis= 120.222

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	319.893681	0.000	421134.996	4576244.331	47.393599	137.716	372.594377	306.529679	120.222	31.730457	9.474
CLOT.	20.000	318.532093	0.000	421115.898	4576250.269	38.543906	130.401	363.744683	308.328005	139.883	33.528783	9.166
CLOT.	40.000	317.453448	0.000	421096.690	4576255.839	28.886186	125.490	354.086964	309.530995	159.683	34.731773	8.991
CLOT.	60.000	316.657745	0.000	421077.401	4576261.126	18.700213	123.363	343.900990	310.364575	179.559	35.565352	8.951
CLOT.	80.000	316.144984	0.000	421058.059	4576266.215	8.415140	124.252	333.615918	310.966578	199.479	36.167355	8.967
CLOT.	100.000	315.915165	0.000	421038.688	4576271.191	398.512492	128.179	323.713270	311.425483	219.422	36.626260	8.987
CLOT.	106.245	315.901372	0.000	421032.637	4576272.735	395.566748	130.003	320.767525	311.549379	225.652	36.750156	8.994
CLOT.	120.000	318.875432	0.000	421019.365	4576276.342	389.438777	135.150	314.639554	311.856049	239.360	37.056827	9.016
CLOT.	140.000	333.811666	0.000	421000.966	4576284.063	382.104805	146.777	307.305583	312.884124	258.904	38.084902	9.110
CIRC.	143.063	337.209719	0.000	420998.367	4576285.683	381.230287	149.068	306.431065	313.143044	261.778	38.343822	9.131
CIRC.	160.000	356.813988	0.000	420985.891	4576297.039	377.871522	163.788	303.072299	315.114042	276.449	40.314820	9.254
CLOT.	163.180	360.494262	0.000	420983.968	4576299.571	377.510843	166.826	302.711620	315.572515	278.921	40.773292	9.287
CLOT.	180.000	375.516447	0.000	420976.057	4576314.370	376.711750	183.462	301.912528	318.300658	290.447	43.501435	9.559
CLOT.	199.998	381.802610	0.000	420969.793	4576333.353	377.005993	203.432	302.206770	321.761982	302.283	46.962759	10.106
CLOT.	200.000	381.802610	0.000	420969.792	4576333.355	377.006047	203.434	302.206824	321.762372	302.284	46.963149	10.106
CLOT.	220.000	375.513568	0.000	420963.527	4576352.339	377.247593	223.409	302.448370	324.954507	314.947	50.155284	10.885
CLOT.	240.000	356.649320	0.000	420953.690	4576369.668	376.421829	243.105	301.622607	327.313205	330.885	52.513982	11.725
CIRC.	240.498	356.019509	0.000	420953.375	4576370.053	376.381463	243.578	301.582241	327.355305	331.332	52.556083	11.746
CLOT.	254.317	338.424154	0.000	420943.218	4576379.360	374.866560	256.006	300.067338	328.136963	344.468	53.337741	12.327
CLOT.	260.000	331.696079	0.000	420938.374	4576382.326	374.052916	260.628	299.253693	328.247699	350.116	53.448476	12.565
CLOT.	280.000	316.092092	0.000	420919.695	4576389.332	370.722500	274.840	295.923277	327.956751	369.998	53.157529	13.291
CLOT.	294.817	312.641053	0.000	420905.226	4576392.516	368.135429	284.351	293.336206	327.415378	384.461	52.616155	13.522
CLOT.	300.000	312.843436	0.000	420900.146	4576393.544	367.258390	287.718	292.459167	327.221419	389.508	52.422197	13.537
CLOT.	320.000	317.418941	0.000	420880.676	4576398.098	364.152196	301.620	289.352973	326.609980	409.133	51.810757	13.277
CIRC.	339.291	327.542541	0.000	420862.547	4576404.630	361.773342	317.042	286.974119	326.403368	428.355	51.604145	12.649
CIRC.	340.000	328.017825	0.000	420861.904	4576404.930	361.700999	317.652	286.901776	326.405643	429.064	51.606421	12.625
CIRC.	360.000	341.420347	0.000	420844.837	4576415.285	360.145073	335.949	285.345851	326.774332	448.865	51.975110	11.945
CIRC.	380.000	354.822868	0.000	420830.310	4576428.979	359.474036	355.577	284.674814	327.668440	467.762	52.869217	11.266

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 0.000 Dis= 120.222

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	384.716	357.983322	0.000	420827.328	4576432.631	359.433857	360.288	284.634635	327.945872	472.010	53.146649	11.106
CLOT.	400.000	366.465499	0.000	420818.846	4576445.332	359.559225	375.543	284.760003	328.981528	485.150	54.182306	10.580
CLOT.	420.000	372.248536	0.000	420809.730	4576463.126	360.077924	395.288	285.278702	330.502221	501.304	55.702998	10.018
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	360.362343	404.303	285.563120	331.209721	508.582	56.410499	9.879
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	360.362343	404.303	285.563120	331.209721	508.582	56.410499	9.879

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	319.893681	0.000	421134.996	4576244.331	47.393599	137.716	67.855844	150.768165	276.013	371.230410	9.474
CLOT.	20.000	318.532093	0.000	421115.898	4576250.269	38.543906	130.401	59.006151	153.112016	258.600	373.574261	9.166
CLOT.	40.000	317.453448	0.000	421096.690	4576255.839	28.886186	125.490	49.348431	155.874245	241.798	376.336490	8.991
CLOT.	60.000	316.657745	0.000	421077.401	4576261.126	18.700213	123.363	39.162458	159.107971	225.698	379.570216	8.951
CLOT.	80.000	316.144984	0.000	421058.059	4576266.215	8.415140	124.252	28.877385	162.873697	210.404	383.335942	8.967
CLOT.	100.000	315.915165	0.000	421038.688	4576271.191	398.512492	128.179	18.974737	167.238068	196.044	387.700313	8.987
CLOT.	106.245	315.901372	0.000	421032.637	4576272.735	395.566748	130.003	16.028993	168.734450	191.775	389.196695	8.994
CLOT.	120.000	318.875432	0.000	421019.365	4576276.342	389.438777	135.150	9.901022	172.223349	182.609	392.685594	9.016
CLOT.	140.000	333.811666	0.000	421000.966	4576284.063	382.104805	146.777	2.567050	177.300079	168.371	397.762324	9.110
CIRC.	143.063	337.209719	0.000	420998.367	4576285.683	381.230287	149.068	1.692532	178.017485	165.956	398.479730	9.131
CIRC.	160.000	356.813988	0.000	420985.891	4576297.039	377.871522	163.788	398.333767	181.342103	151.253	1.804348	9.254
CLOT.	163.180	360.494262	0.000	420983.968	4576299.571	377.510843	166.826	397.973088	181.818307	148.278	2.280552	9.287
CLOT.	180.000	375.516447	0.000	420976.057	4576314.370	376.711750	183.462	397.173995	183.469900	131.894	3.932145	9.559
CLOT.	199.998	381.802610	0.000	420969.793	4576333.353	377.005993	203.432	397.468238	184.141354	111.946	4.603599	10.106
CLOT.	200.000	381.802610	0.000	420969.792	4576333.355	377.006047	203.434	397.468292	184.141402	111.944	4.603647	10.106
CLOT.	220.000	375.513568	0.000	420963.527	4576352.339	377.247593	223.409	397.709838	185.104299	92.011	5.566544	10.885
CLOT.	240.000	356.649320	0.000	420953.690	4576369.668	376.421829	243.105	396.884074	189.944509	73.085	10.406754	11.725
CIRC.	240.498	356.019509	0.000	420953.375	4576370.053	376.381463	243.578	396.843708	190.164196	72.655	10.626441	11.746
CLOT.	254.317	338.424154	0.000	420943.218	4576379.360	374.866560	256.006	395.328805	198.956454	62.492	19.418699	12.327
CLOT.	260.000	331.696079	0.000	420938.374	4576382.326	374.052916	260.628	394.515161	204.080481	59.640	24.542726	12.565
CLOT.	280.000	316.092092	0.000	420919.695	4576389.332	370.722500	274.840	391.184745	225.770017	57.128	46.232262	13.291
CLOT.	294.817	312.641053	0.000	420905.226	4576392.516	368.135429	284.351	388.597674	240.943856	61.642	61.406101	13.522
CLOT.	300.000	312.843436	0.000	420900.146	4576393.544	367.258390	287.718	387.720635	245.602028	64.037	66.064273	13.537
CLOT.	320.000	317.418941	0.000	420880.676	4576398.098	364.152196	301.620	384.614441	260.648614	75.485	81.110859	13.277
CIRC.	339.291	327.542541	0.000	420862.547	4576404.630	361.773342	317.042	382.235587	272.174307	87.912	92.636552	12.649
CIRC.	340.000	328.017825	0.000	420861.904	4576404.930	361.700999	317.652	382.163244	272.565977	88.369	93.028222	12.625
CIRC.	360.000	341.420347	0.000	420844.837	4576415.285	360.145073	335.949	380.607318	283.046259	100.915	103.508504	11.945
CIRC.	380.000	354.822868	0.000	420830.310	4576428.979	359.474036	355.577	379.936281	292.712100	112.621	113.174345	11.266

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	384.716	357.983322	0.000	420827.328	4576432.631	359.433857	360.288	379.896102	294.905386	115.235	115.367631	11.106
CLOT.	400.000	366.465499	0.000	420818.846	4576445.332	359.559225	375.543	380.021470	301.800244	123.397	122.262489	10.580
CLOT.	420.000	372.248536	0.000	420809.730	4576463.126	360.077924	395.288	380.540169	310.141809	134.163	130.604054	10.018
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	360.362343	404.303	380.824588	313.632407	139.474	134.094652	9.879
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	360.362343	404.303	380.824588	313.632407	139.474	134.094652	9.879

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	319.893681	0.000	421134.996	4576244.331	150.768165	276.013	371.230410	47.393599	137.716	67.855844	9.474
CLOT.	20.000	318.532093	0.000	421115.898	4576250.269	153.112016	258.600	373.574261	38.543906	130.401	59.006151	9.166
CLOT.	40.000	317.453448	0.000	421096.690	4576255.839	155.874245	241.798	376.336490	28.886186	125.490	49.348431	8.991
CLOT.	60.000	316.657745	0.000	421077.401	4576261.126	159.107971	225.698	379.570216	18.700213	123.363	39.162458	8.951
CLOT.	80.000	316.144984	0.000	421058.059	4576266.215	162.873697	210.404	383.335942	8.415140	124.252	28.877385	8.967
CLOT.	100.000	315.915165	0.000	421038.688	4576271.191	167.238068	196.044	387.700313	398.512492	128.179	18.974737	8.987
CLOT.	106.245	315.901372	0.000	421032.637	4576272.735	168.734450	191.775	389.196695	395.566748	130.003	16.028993	8.994
CLOT.	120.000	318.875432	0.000	421019.365	4576276.342	172.223349	182.609	392.685594	389.438777	135.150	9.901022	9.016
CLOT.	140.000	333.811666	0.000	421000.966	4576284.063	177.300079	168.371	397.762324	382.104805	146.777	2.567050	9.110
CIRC.	143.063	337.209719	0.000	420998.367	4576285.683	178.017485	165.956	398.479730	381.230287	149.068	1.692532	9.131
CIRC.	160.000	356.813988	0.000	420985.891	4576297.039	181.342103	151.253	1.804348	377.871522	163.788	398.333767	9.254
CLOT.	163.180	360.494262	0.000	420983.968	4576299.571	181.818307	148.278	2.280552	377.510843	166.826	397.973088	9.287
CLOT.	180.000	375.516447	0.000	420976.057	4576314.370	183.469900	131.894	3.932145	376.711750	183.462	397.173995	9.559
CLOT.	199.998	381.802610	0.000	420969.793	4576333.353	184.141354	111.946	4.603599	377.005993	203.432	397.468238	10.106
CLOT.	200.000	381.802610	0.000	420969.792	4576333.355	184.141402	111.944	4.603647	377.006047	203.434	397.468292	10.106
CLOT.	220.000	375.513568	0.000	420963.527	4576352.339	185.104299	92.011	5.566544	377.247593	223.409	397.709838	10.885
CLOT.	240.000	356.649320	0.000	420953.690	4576369.668	189.944509	73.085	10.406754	376.421829	243.105	396.884074	11.725
CIRC.	240.498	356.019509	0.000	420953.375	4576370.053	190.164196	72.655	10.626441	376.381463	243.578	396.843708	11.746
CLOT.	254.317	338.424154	0.000	420943.218	4576379.360	198.956454	62.492	19.418699	374.866560	256.006	395.328805	12.327
CLOT.	260.000	331.696079	0.000	420938.374	4576382.326	204.080481	59.640	24.542726	374.052916	260.628	394.515161	12.565
CLOT.	280.000	316.092092	0.000	420919.695	4576389.332	225.770017	57.128	46.232262	370.722500	274.840	391.184745	13.291
CLOT.	294.817	312.641053	0.000	420905.226	4576392.516	240.943856	61.642	61.406101	368.135429	284.351	388.597674	13.522
CLOT.	300.000	312.843436	0.000	420900.146	4576393.544	245.602028	64.037	66.064273	367.258390	287.718	387.720635	13.537
CLOT.	320.000	317.418941	0.000	420880.676	4576398.098	260.648614	75.485	81.110859	364.152196	301.620	384.614441	13.277
CIRC.	339.291	327.542541	0.000	420862.547	4576404.630	272.174307	87.912	92.636552	361.773342	317.042	382.235587	12.649
CIRC.	340.000	328.017825	0.000	420861.904	4576404.930	272.565977	88.369	93.028222	361.700999	317.652	382.163244	12.625
CIRC.	360.000	341.420347	0.000	420844.837	4576415.285	283.046259	100.915	103.508504	360.145073	335.949	380.607318	11.945
CIRC.	380.000	354.822868	0.000	420830.310	4576428.979	292.712100	112.621	113.174345	359.474036	355.577	379.936281	11.266

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 64.212 Dis=-123.296

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	384.716	357.983322	0.000	420827.328	4576432.631	294.905386	115.235	115.367631	359.433857	360.288	379.896102	11.106
CLOT.	400.000	366.465499	0.000	420818.846	4576445.332	301.800244	123.397	122.262489	359.559225	375.543	380.021470	10.580
CLOT.	420.000	372.248536	0.000	420809.730	4576463.126	310.141809	134.163	130.604054	360.077924	395.288	380.540169	10.018
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	313.632407	139.474	134.094652	360.362343	404.303	380.824588	9.879
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	313.632407	139.474	134.094652	360.362343	404.303	380.824588	9.879

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 429.190 Dis= 150.227

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	319.893681	0.000	421134.996	4576244.331	150.768165	276.013	182.076447	158.218677	468.263	389.526958	9.474

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 429.190 Dis= 150.227

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	319.893681	0.000	421134.996	4576244.331	150.768165	276.013	182.076447	158.218677	468.263	389.526958	9.474
CLOT.	20.000	318.532093	0.000	421115.898	4576250.269	153.112016	258.600	184.420298	159.839432	452.052	391.147713	9.166
CLOT.	40.000	317.453448	0.000	421096.690	4576255.839	155.874245	241.798	187.182527	161.623177	436.395	392.931459	8.991
CLOT.	60.000	316.657745	0.000	421077.401	4576261.126	159.107971	225.698	190.416252	163.571405	421.301	394.879687	8.951
CLOT.	80.000	316.144984	0.000	421058.059	4576266.215	162.873697	210.404	194.181978	165.685410	406.774	396.993692	8.967
CLOT.	100.000	315.915165	0.000	421038.688	4576271.191	167.238068	196.044	198.546350	167.966281	392.813	399.274563	8.987
CLOT.	106.245	315.901372	0.000	421032.637	4576272.735	168.734450	191.775	200.042732	168.712808	388.569	0.021090	8.994
CLOT.	120.000	318.875432	0.000	421019.365	4576276.342	172.223349	182.609	203.531631	170.391495	379.257	1.699777	9.016
CLOT.	140.000	333.811666	0.000	421000.966	4576284.063	177.300079	168.371	208.608361	172.660362	364.336	3.968644	9.110
CIRC.	143.063	337.209719	0.000	420998.367	4576285.683	178.017485	165.956	209.325766	172.957488	361.784	4.265770	9.131
CIRC.	160.000	356.813988	0.000	420985.891	4576297.039	181.342103	151.253	212.650385	174.186592	346.360	5.494874	9.254
CLOT.	163.180	360.494262	0.000	420983.968	4576299.571	181.818307	148.278	213.126588	174.329016	343.276	5.637298	9.287
CLOT.	180.000	375.516447	0.000	420976.057	4576314.370	183.469900	131.894	214.778182	174.615481	326.563	5.923763	9.559

CLOT.	199.998	381.802610	0.000	420969.793	4576333.353	184.141354	111.946	215.449636	174.283907	306.642	5.592189	10.106
CLOT.	200.000	381.802610	0.000	420969.792	4576333.355	184.141402	111.944	215.449684	174.283851	306.640	5.592133	10.106
CLOT.	220.000	375.513568	0.000	420963.527	4576352.339	185.104299	92.011	216.412581	173.906245	286.726	5.214527	10.885
CLOT.	240.000	356.649320	0.000	420953.690	4576369.668	189.944509	73.085	221.252791	174.411093	266.921	5.719375	11.725
CIRC.	240.498	356.019509	0.000	420953.375	4576370.053	190.164196	72.655	221.472478	174.444407	266.443	5.752689	11.746
CLOT.	254.317	338.424154	0.000	420943.218	4576379.360	198.956454	62.492	230.264735	175.876489	253.972	7.184770	12.327
CLOT.	260.000	331.696079	0.000	420938.374	4576382.326	204.080481	59.640	235.388763	176.745126	249.448	8.053408	12.565
CLOT.	280.000	316.092092	0.000	420919.695	4576389.332	225.770017	57.128	257.078299	180.766906	236.703	12.075188	13.291
CLOT.	294.817	312.641053	0.000	420905.226	4576392.516	240.943856	61.642	272.252138	184.334348	229.719	15.642629	13.522
CLOT.	300.000	312.843436	0.000	420900.146	4576393.544	245.602028	64.037	276.910310	185.642919	227.533	16.951201	13.537
CLOT.	320.000	317.418941	0.000	420880.676	4576398.098	260.648614	75.485	291.956896	190.857867	219.476	22.166148	13.277
CIRC.	339.291	327.542541	0.000	420862.547	4576404.630	272.174307	87.912	303.482589	195.992619	211.103	27.300901	12.649
CIRC.	340.000	328.017825	0.000	420861.904	4576404.930	272.565977	88.369	303.874258	196.180693	210.765	27.488975	12.625
CIRC.	360.000	341.420347	0.000	420844.837	4576415.285	283.046259	100.915	314.354541	201.409755	200.079	32.718036	11.945
CIRC.	380.000	354.822868	0.000	420830.310	4576428.979	292.712100	112.621	324.020381	206.454328	187.298	37.762609	11.266

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 54 : Ramal C31C,B20 C32 - B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 274.214 Dis= 56.680
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 429.190 Dis= 150.227

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	384.716	357.983322	0.000	420827.328	4576432.631	294.905386	115.235	326.213668	207.609047	183.997	38.917329	11.106
CLOT.	400.000	366.465499	0.000	420818.846	4576445.332	301.800244	123.397	333.108526	211.273843	172.684	42.582124	10.580
CLOT.	420.000	372.248536	0.000	420809.730	4576463.126	310.141809	134.163	341.450090	216.180870	157.241	47.489152	10.018
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	313.632407	139.474	344.940688	218.640608	150.227	49.948889	9.879
RECTA	429.190	372.884810	0.000	420805.905	4576471.482	313.632407	139.474	344.940688	218.640608	150.227	49.948889	9.879

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 57 : Lazo B201 (El Prat) - Centro Comercial

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 313.503 Dis= 97.910
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 94.542 Dis= -85.177

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	348.220125	0.000	420990.926	4576291.590	379.038453	156.976	399.500698	180.033951	157.958	0.496196	9.198

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 57 : Lazo B201 (El Prat) - Centro Comercial

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 94.542 Dis= -85.177
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 313.503 Dis= 97.910

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	348.220125	0.000	420990.926	4576291.590	180.033951	157.958	0.496196	379.038453	156.976	399.500698	9.198
CIRC.	20.000	371.369935	0.000	420979.183	4576307.644	182.878252	139.204	3.340497	376.897063	176.063	397.359308	9.416
CIRC.	40.000	394.519745	0.000	420973.918	4576326.824	182.867152	119.314	3.329397	377.510273	195.873	397.972518	9.851
CIRC.	60.000	17.669555	0.000	420975.819	4576346.623	178.389298	100.983	398.851543	380.079755	213.966	0.542000	10.658
CIRC.	80.000	40.819365	0.000	420984.638	4576364.451	168.064904	88.267	388.527149	383.946545	228.635	4.408790	11.591
CIRC.	100.000	63.969174	0.000	420999.221	4576377.977	153.597689	85.621	374.059934	388.616443	238.736	9.078688	12.171
CIRC.	120.000	87.118984	0.000	421017.661	4576385.431	140.864687	94.221	361.326932	393.711291	243.571	14.173536	12.412
CIRC.	140.000	110.268794	0.000	421037.547	4576385.839	133.807904	110.583	354.270148	398.915681	242.827	19.377926	12.612
CIRC.	160.000	133.418604	0.000	421056.278	4576379.147	131.990355	130.176	352.452600	3.930347	236.551	24.392592	12.889
CIRC.	180.000	156.568414	0.000	421071.404	4576366.231	133.706165	149.707	354.168410	8.428043	225.155	28.890288	13.393
CLOT.	197.719	177.078287	0.000	421080.187	4576350.931	137.086169	165.249	357.548414	11.659385	211.420	32.121630	14.009
CLOT.	200.000	179.668246	0.000	421080.947	4576348.780	137.611162	167.072	358.073407	12.005458	209.447	32.467703	14.092
CLOT.	220.000	198.098401	0.000	421084.212	4576329.120	142.711165	181.316	363.173410	14.304830	190.871	34.767075	14.812
CLOT.	240.000	208.842287	0.000	421082.923	4576309.185	148.121196	193.398	368.583441	15.489385	171.180	35.951630	15.521
RECTA	257.956	211.940042	0.000	421079.861	4576291.494	152.801331	203.856	373.263576	16.025629	153.278	36.487874	15.918
RECTA	260.000	211.940042	0.000	421079.480	4576289.486	153.309546	205.086	373.771791	16.080807	151.238	36.543052	15.942
RECTA	280.000	211.940042	0.000	421075.751	4576269.836	157.968780	217.770	378.431025	16.711170	131.287	37.173415	15.957
RECTA	300.000	211.940042	0.000	421072.022	4576250.187	162.095796	231.489	382.558041	17.567332	111.353	38.029577	15.847
RECTA	313.503	211.940042	0.000	421069.504	4576236.921	164.609828	241.249	385.072073	18.342400	97.910	38.804645	15.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 57 : Lazo B201 (El Prat) - Centro Comercial

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 94.542 Dis= -85.177
Distancia: 376.316 Azimut: 137.652946
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 283.807 Dis=-182.749

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	348.220125	0.000	420990.926	4576291.590	180.033951	157.958	42.381005	314.145474	270.306	376.492528	9.198

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 57 : Lazo B201 (El Prat) - Centro Comercial

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 94.542 Dis= -85.177
Distancia: 376.316 Azimut: 137.652946
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 283.807 Dis=-182.749

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	348.220125	0.000	420990.926	4576291.590	180.033951	157.958	42.381005	314.145474	270.306	376.492528	9.198

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 57 : Lazo B201 (El Prat) - Centro Comercial

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 94.542 Dis= -85.177
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 313.503 Dis= 97.910

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	348.220125	0.000	420990.926	4576291.590	180.033951	157.958	0.496196	379.038453	156.976	399.500698	9.198

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 57 : Lazo B201 (El Prat) - Centro Comercial

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 313.503 Dis= 97.910
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 283.807 Dis=-182.749

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	348.220125	0.000	420990.926	4576291.590	379.038453	156.976	304.239231	314.145474	270.306	39.346252	9.198
CIRC.	20.000	371.369935	0.000	420979.183	4576307.644	376.897063	176.063	302.097841	317.060165	285.597	42.260943	9.416
CIRC.	40.000	394.519745	0.000	420973.918	4576326.824	377.510273	195.873	302.711051	320.737299	296.247	45.938076	9.851
CIRC.	60.000	17.669555	0.000	420975.819	4576346.623	380.079755	213.966	305.280532	324.830606	301.404	50.031384	10.658
CIRC.	80.000	40.819365	0.000	420984.638	4576364.451	383.946545	228.635	309.147322	329.034762	300.682	54.235540	11.591
CIRC.	100.000	63.969174	0.000	420999.221	4576377.977	388.616443	238.736	313.817220	333.055850	294.133	58.256627	12.171
CIRC.	120.000	87.118984	0.000	421017.661	4576385.431	393.711291	243.571	318.912069	336.581216	282.254	61.781994	12.412
CIRC.	140.000	110.268794	0.000	421037.547	4576385.839	398.915681	242.827	324.116458	339.250525	266.018	64.451303	12.612
CIRC.	160.000	133.418604	0.000	421056.278	4576379.147	3.930347	236.551	329.131125	340.635361	246.925	65.836138	12.889
CIRC.	180.000	156.568414	0.000	421071.404	4576366.231	8.428043	225.155	333.628821	340.253935	227.086	65.454712	13.393
CLOT.	197.719	177.078287	0.000	421080.187	4576350.931	11.659385	211.420	336.860162	338.096663	211.079	63.297440	14.009
CLOT.	200.000	179.668246	0.000	421080.947	4576348.780	12.005458	209.447	337.206236	337.686309	209.244	62.887087	14.092
CLOT.	220.000	198.098401	0.000	421084.212	4576329.120	14.304830	190.871	339.505608	332.976785	196.100	58.177562	14.812
CLOT.	240.000	208.842287	0.000	421082.923	4576309.185	15.489385	171.180	340.690162	326.893343	188.209	52.094120	15.521
RECTA	257.956	211.940042	0.000	421079.861	4576291.494	16.025629	153.278	341.226406	320.885845	184.569	46.086623	15.918
RECTA	260.000	211.940042	0.000	421079.480	4576289.486	16.080807	151.238	341.281584	320.186732	184.294	45.387509	15.942
RECTA	280.000	211.940042	0.000	421075.751	4576269.836	16.711170	131.287	341.911947	313.265846	182.789	38.466623	15.957
RECTA	300.000	211.940042	0.000	421072.022	4576250.187	17.567332	111.353	342.768110	306.313600	183.465	31.514377	15.847
RECTA	313.503	211.940042	0.000	421069.504	4576236.921	18.342400	97.910	343.543177	301.684763	185.146	26.885541	15.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 58 : Ramal Sant Boi- Ramal B25 a B20 C32

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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     208.158 Dis= 109.141
                                                                          Distancia:   378.037  Azimut:  22.346075
 BO : BR510                  X:  420942.194  Y: 4576441.843  Z:   8.219  PK:      81.924 Dis=-235.488
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	80.521333	0.000	420687.671	4576300.728	366.431095	247.488	344.085019	267.772005	291.025	45.425930	8.588
CLOT.	20.000	86.808935	0.000	420706.922	4576306.119	371.500678	243.230	349.154603	266.689203	271.614	44.343128	8.507
CIRC.	37.500	102.626186	0.000	420724.297	4576307.785	375.890808	237.776	353.544732	264.887572	255.833	42.541496	8.700
CIRC.	40.000	105.573500	0.000	420726.791	4576307.625	376.498178	236.715	354.152102	264.525310	253.797	42.179235	8.756
CIRC.	60.000	129.152010	0.000	420745.942	4576302.268	381.001120	225.373	358.655045	260.643819	240.824	38.297744	9.310
CIRC.	80.000	152.730520	0.000	420761.856	4576290.343	384.557372	209.623	362.211297	255.518643	235.530	33.172567	9.870
CLOT.	83.561	156.928772	0.000	420764.175	4576287.642	385.051632	206.450	362.705557	254.556254	235.518	32.210179	9.970
CLOT.	100.000	172.061158	0.000	420772.699	4576273.631	386.729403	190.907	364.383328	250.241788	238.796	27.895713	10.430
CLOT.	120.000	179.015928	0.000	420779.886	4576254.978	387.908744	171.200	365.562669	245.530027	247.512	23.183952	10.990
CLOT.	121.061	179.033626	0.000	420780.230	4576253.974	387.963948	170.149	365.617873	245.294534	248.047	22.948458	11.020
CLOT.	140.000	174.466738	0.000	420786.780	4576236.209	389.264540	151.501	366.918464	241.201331	257.758	18.855256	11.550
CIRC.	159.523	160.198721	0.000	420796.127	4576219.116	392.297866	133.233	369.951791	236.952568	266.351	14.606492	12.097
CIRC.	160.000	159.731170	0.000	420796.408	4576218.730	392.409148	132.816	370.063072	236.845909	266.520	14.499833	12.110
CIRC.	180.000	140.142869	0.000	420810.508	4576204.657	399.082041	117.813	376.735966	232.265657	271.290	9.919582	12.670
CLOT.	199.790	120.759855	0.000	420828.010	4576195.583	9.188567	109.869	386.842491	227.639917	271.444	5.293842	13.182
CLOT.	200.000	120.555491	0.000	420828.208	4576195.516	9.308092	109.831	386.962017	227.591051	271.421	5.244976	13.186
CLOT.	220.000	109.539822	0.000	420847.725	4576191.267	20.874775	110.286	398.528699	222.951963	267.792	0.605888	13.351
CLOT.	223.119	109.335594	0.000	420850.810	4576190.808	22.636746	110.888	0.290671	222.225425	267.151	399.879350	13.340
CLOT.	240.000	112.875142	0.000	420867.459	4576188.033	31.821138	115.279	9.475062	218.230147	264.584	395.884071	13.150
CIRC.	251.593	119.406221	0.000	420878.689	4576185.175	37.851589	118.686	15.505514	215.441098	264.407	393.095022	12.999
CIRC.	260.000	125.352838	0.000	420886.579	4576182.281	42.146982	120.984	19.800906	213.437297	265.453	391.091222	12.890
CIRC.	280.000	139.499945	0.000	420904.005	4576172.549	52.188994	125.579	29.842919	208.968304	271.988	386.622228	12.630
CLOT.	292.694	148.479334	0.000	420913.779	4576164.466	58.463716	127.828	36.117641	206.498985	278.829	384.152910	12.447
CLOT.	300.000	153.498350	0.000	420918.861	4576159.220	62.048598	128.885	39.702523	205.244037	283.585	382.897962	12.317
CLOT.	320.000	165.716875	0.000	420930.651	4576143.102	71.775909	131.120	49.429833	202.458679	298.963	380.112604	11.871
CLOT.	340.000	175.706559	0.000	420939.469	4576125.174	81.381595	132.906	59.035520	200.547757	316.680	378.201682	11.319
CLOT.	360.000	183.467401	0.000	420945.714	4576106.187	90.846040	134.899	68.499965	199.332483	335.674	376.986408	10.627
CIRC.	375.357	187.913733	0.000	420949.110	4576091.214	97.974572	136.972	75.628497	198.744475	350.697	376.398399	10.066

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   58 : Ramal Sant Boi- Ramal B25 a B20 C32


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     208.158 Dis= 109.141
                                                                          Distancia:   378.037  Azimut:  22.346075
 BO : BR510                  X:  420942.194  Y: 4576441.843  Z:   8.219  PK:      81.924 Dis=-235.488
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	189.059470	0.000	420949.945	4576086.647	100.097247	137.738	77.751171	198.610992	355.281	376.264917	9.905
CIRC.	389.740	191.462761	0.000	420951.429	4576077.021	104.490144	139.569	82.144069	198.388797	364.939	376.042722	9.591

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   58 : Ramal Sant Boi- Ramal B25 a B20 C32


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     208.158 Dis= 109.141
                                                                          Distancia:   236.255  Azimut:  84.712386
 BO : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     352.987 Dis=-102.427
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	80.521333	0.000	420687.671	4576300.728	366.431095	247.488	281.718709	326.676419	387.541	41.964033	8.588

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   58 : Ramal Sant Boi- Ramal B25 a B20 C32


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     208.158 Dis= 109.141
                                                                          Distancia:   236.255  Azimut:  84.712386
 BO : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     352.987 Dis=-102.427
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	80.521333	0.000	420687.671	4576300.728	366.431095	247.488	281.718709	326.676419	387.541	41.964033	8.588
CLOT.	20.000	86.808935	0.000	420706.922	4576306.119	371.500678	243.230	286.788292	328.857904	372.368	44.145518	8.507
CIRC.	37.500	102.626186	0.000	420724.297	4576307.785	375.890808	237.776	291.178422	330.479366	357.593	45.766980	8.700
CIRC.	40.000	105.573500	0.000	420726.791	4576307.625	376.498178	236.715	291.785792	330.659696	355.306	45.947310	8.756
CIRC.	60.000	129.152010	0.000	420745.942	4576302.268	381.001120	225.373	296.288734	331.441258	335.878	46.728872	9.310
CIRC.	80.000	152.730520	0.000	420761.856	4576290.343	384.557372	209.623	299.844986	330.846057	316.227	46.133671	9.870
CLOT.	83.561	156.928772	0.000	420764.175	4576287.642	385.051632	206.450	300.339246	330.579577	312.919	45.867191	9.970
CLOT.	100.000	172.061158	0.000	420772.699	4576273.631	386.729403	190.907	302.017017	328.772504	299.006	44.060118	10.430
CLOT.	120.000	179.015928	0.000	420779.886	4576254.978	387.908744	171.200	303.196358	325.721248	284.721	41.008862	10.990
CLOT.	121.061	179.033626	0.000	420780.230	4576253.974	387.963948	170.149	303.251562	325.544562	284.012	40.832176	11.020
CLOT.	140.000	174.466738	0.000	420786.780	4576236.209	389.264540	151.501	304.552154	322.306990	271.394	37.594604	11.550
CIRC.	159.523	160.198721	0.000	420796.127	4576219.116	392.297866	133.233	307.585480	319.124538	257.068	34.412152	12.097
CIRC.	160.000	159.731170	0.000	420796.408	4576218.730	392.409148	132.816	307.696762	319.053688	256.686	34.341302	12.110
CIRC.	180.000	140.142869	0.000	420810.508	4576204.657	399.082041	117.813	314.369655	316.581177	239.244	31.868791	12.670
CLOT.	199.790	120.759855	0.000	420828.010	4576195.583	9.188567	109.869	324.476181	315.348219	220.037	30.635833	13.182
CLOT.	200.000	120.555491	0.000	420828.208	4576195.516	9.308092	109.831	324.595706	315.343163	219.828	30.630777	13.186
CLOT.	220.000	109.539822	0.000	420847.725	4576191.267	20.874775	110.286	336.162389	315.512605	199.862	30.800219	13.351
CLOT.	223.119	109.335594	0.000	420850.810	4576190.808	22.636746	110.888	337.924360	315.609300	196.757	30.896914	13.340
CLOT.	240.000	112.875142	0.000	420867.459	4576188.033	31.821138	115.279	347.108752	316.086612	179.938	31.374226	13.150
CIRC.	251.593	119.406221	0.000	420878.689	4576185.175	37.851589	118.686	353.139203	316.102045	168.350	31.389659	12.999
CIRC.	260.000	125.352838	0.000	420886.579	4576182.281	42.146982	120.984	357.434596	315.772839	159.989	31.060453	12.890
CIRC.	280.000	139.499945	0.000	420904.005	4576172.549	52.188994	125.579	367.476608	313.438515	140.804	28.726129	12.630
CLOT.	292.694	148.479334	0.000	420913.779	4576164.466	58.463716	127.828	373.751330	310.562875	129.685	25.850489	12.447
CLOT.	300.000	153.498350	0.000	420918.861	4576159.220	62.048598	128.885	377.336212	308.334815	123.883	23.622429	12.317
CLOT.	320.000	165.716875	0.000	420930.651	4576143.102	71.775909	131.120	387.063523	300.031788	111.032	15.319402	11.871
CLOT.	340.000	175.706559	0.000	420939.469	4576125.174	81.381595	132.906	396.669209	288.979843	103.765	4.267457	11.319
CLOT.	360.000	183.467401	0.000	420945.714	4576106.187	90.846040	134.899	6.133654	276.654834	102.804	391.942448	10.627
CIRC.	375.357	187.913733	0.000	420949.110	4576091.214	97.974572	136.972	13.262186	267.505500	106.096	382.793114	10.066

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   58 : Ramal Sant Boi- Ramal B25 a B20 C32


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     208.158 Dis= 109.141
                                                                          Distancia:   236.255  Azimut:  84.712386
 BO : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     352.987 Dis=-102.427
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	189.059470	0.000	420949.945	4576086.647	100.097247	137.738	15.384861	264.907592	107.689	380.195206	9.905
CIRC.	389.740	191.462761	0.000	420951.429	4576077.021	104.490144	139.569	19.777758	259.791579	111.826	375.079193	9.591

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   58 : Ramal Sant Boi- Ramal B25 a B20 C32


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                                  * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                                  ==========================================

 BR : BR516                  X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     352.987 Dis=-102.427
                                                                          Distancia:   236.255  Azimut: 284.712386
 BO : BR517                  X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     208.158 Dis= 109.141
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	80.521333	0.000	420687.671	4576300.728	326.676419	387.541	41.964033	366.431095	247.488	281.718709	8.588
CLOT.	20.000	86.808935	0.000	420706.922	4576306.119	328.857904	372.368	44.145518	371.500678	243.230	286.788292	8.507
CIRC.	37.500	102.626186	0.000	420724.297	4576307.785	330.479366	357.593	45.766980	375.890808	237.776	291.178422	8.700
CIRC.	40.000	105.573500	0.000	420726.791	4576307.625	330.659696	355.306	45.947310	376.498178	236.715	291.785792	8.756
CIRC.	60.000	129.152010	0.000	420745.942	4576302.268	331.441258	335.878	46.728872	381.001120	225.373	296.288734	9.310
CIRC.	80.000	152.730520	0.000	420761.856	4576290.343	330.846057	316.227	46.133671	384.557372	209.623	299.844986	9.870
CLOT.	83.561	156.928772	0.000	420764.175	4576287.642	330.579577	312.919	45.867191	385.051632	206.450	300.339246	9.970
CLOT.	100.000	172.061158	0.000	420772.699	4576273.631	328.772504	299.006	44.060118	386.729403	190.907	302.017017	10.430
CLOT.	120.000	179.015928	0.000	420779.886	4576254.978	325.721248	284.721	41.008862	387.908744	171.200	303.196358	10.990
CLOT.	121.061	179.033626	0.000	420780.230	4576253.974	325.544562	284.012	40.832176	387.963948	170.149	303.251562	11.020
CLOT.	140.000	174.466738	0.000	420786.780	4576236.209	322.306990	271.394	37.594604	389.264540	151.501	304.552154	11.550
CIRC.	159.523	160.198721	0.000	420796.127	4576219.116	319.124538	257.068	34.412152	392.297866	133.233	307.585480	12.097
CIRC.	160.000	159.731170	0.000	420796.408	4576218.730	319.053688	256.686	34.341302	392.409148	132.816	307.696762	12.110
CIRC.	180.000	140.142869	0.000	420810.508	4576204.657	316.581177	239.244	31.868791	399.082041	117.813	314.369655	12.670
CLOT.	199.790	120.759855	0.000	420828.010	4576195.583	315.348219	220.037	30.635833	9.188567	109.869	324.476181	13.182
CLOT.	200.000	120.555491	0.000	420828.208	4576195.516	315.343163	219.828	30.630777	9.308092	109.831	324.595706	13.186

CLOT.	220.000	109.539822	0.000	420847.725	4576191.267	315.512605	199.862	30.800219	20.874775	110.286	336.162389	13.351
CLOT.	223.119	109.335594	0.000	420850.810	4576190.808	315.609300	196.757	30.896914	22.636746	110.888	337.924360	13.340
CLOT.	240.000	112.875142	0.000	420867.459	4576188.033	316.086612	179.938	31.374226	31.821138	115.279	347.108752	13.150
CIRC.	251.593	119.406221	0.000	420878.689	4576185.175	316.102045	168.350	31.389659	37.851589	118.686	353.139203	12.999
CIRC.	260.000	125.352838	0.000	420886.579	4576182.281	315.772839	159.989	31.060453	42.146982	120.984	357.434596	12.890
CIRC.	280.000	139.499945	0.000	420904.005	4576172.549	313.438515	140.804	28.726129	52.188994	125.579	367.476608	12.630
CLOT.	292.694	148.479334	0.000	420913.779	4576164.466	310.562875	129.685	25.850489	58.463716	127.828	373.751330	12.447
CLOT.	300.000	153.498350	0.000	420918.861	4576159.220	308.334815	123.883	23.622429	62.048598	128.885	377.336212	12.317
CLOT.	320.000	165.716875	0.000	420930.651	4576143.102	300.031788	111.032	15.319402	71.775909	131.120	387.063523	11.871
CLOT.	340.000	175.706559	0.000	420939.469	4576125.174	288.979843	103.765	4.267457	81.381595	132.906	396.669209	11.319
CLOT.	360.000	183.467401	0.000	420945.714	4576106.187	276.654834	102.804	391.942448	90.846040	134.899	6.133654	10.627
CIRC.	375.357	187.913733	0.000	420949.110	4576091.214	267.505500	106.096	382.793114	97.974572	136.972	13.262186	10.066

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 58 : Ramal Sant Boi- Ramal B25 a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 352.987 Dis=-102.427
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 208.158 Dis= 109.141

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	189.059470	0.000	420949.945	4576086.647	264.907592	107.689	380.195206	100.097247	137.738	15.384861	9.905
CIRC.	389.740	191.462761	0.000	420951.429	4576077.021	259.791579	111.826	375.079193	104.490144	139.569	19.777758	9.591

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 318.845 Dis=-169.457
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 113.957 Dis=-113.449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420873.123	4576277.340	225.306982	178.416	2.960907	19.704725	199.986	397.358650	15.749
CLOT.	0.000	172.884810	0.000	420873.123	4576277.340	225.306982	178.416	2.960907	19.704725	199.986	397.358650	15.749
CLOT.	20.000	180.842557	0.000	420880.616	4576258.811	220.660840	193.113	398.314765	24.104645	185.062	1.758569	15.480
CIRC.	36.199	198.953882	0.000	420883.384	4576242.906	218.298517	207.448	395.952442	27.243121	171.515	4.897046	15.099
CIRC.	40.000	204.428387	0.000	420883.284	4576239.108	218.002997	211.121	395.656922	27.805576	168.024	5.459501	15.009
CIRC.	60.000	233.234712	0.000	420877.503	4576220.139	218.074136	230.949	395.728061	29.000687	148.417	6.654611	14.528
CIRC.	80.000	262.041036	0.000	420864.011	4576205.607	220.346777	248.838	398.000702	26.187773	129.558	3.841697	14.005
CIRC.	100.000	290.847361	0.000	420845.523	4576198.436	224.067585	261.901	1.721510	18.472284	116.446	396.126209	13.434
CIRC.	120.000	319.653685	0.000	420825.761	4576200.069	228.571674	268.349	6.225599	7.585512	114.021	385.239437	12.820
CIRC.	140.000	348.460010	0.000	420808.701	4576210.179	233.279955	267.373	10.933880	398.190830	123.372	375.844755	12.200
CIRC.	160.000	377.266334	0.000	420797.779	4576226.729	237.639075	259.094	15.293000	393.456254	140.614	371.110179	11.580
CIRC.	180.000	6.072659	0.000	420795.191	4576246.390	241.052451	244.565	18.706376	393.235442	160.437	370.889367	10.960
CIRC.	200.000	34.878983	0.000	420801.460	4576265.202	242.828038	225.849	20.481963	396.168374	178.669	373.822298	10.340
CIRC.	220.000	63.685308	0.000	420815.323	4576279.381	242.208207	206.131	19.862131	1.030187	192.550	378.684112	9.720
CLOT.	235.074	85.397061	0.000	420829.140	4576285.222	239.803150	193.161	17.457075	5.421364	199.086	383.075289	9.253
CLOT.	240.000	92.008944	0.000	420833.988	4576286.085	238.653336	189.655	16.307261	6.932349	200.415	384.586273	9.100
CLOT.	260.000	108.937771	0.000	420853.920	4576285.521	232.725679	179.524	10.379604	13.175560	202.996	390.829485	8.631
RECTA	271.273	111.466133	0.000	420865.036	4576283.648	228.889339	176.008	6.543264	16.696507	203.759	394.350432	8.492
RECTA	280.000	111.466133	0.000	420873.621	4576282.085	225.811531	173.853	3.465456	19.402680	204.660	397.056605	8.446
RECTA	300.000	111.466133	0.000	420893.298	4576278.502	218.516777	170.502	396.170702	25.482970	208.095	3.136895	8.396
RECTA	319.012	111.466133	0.000	420912.003	4576275.097	211.403228	169.458	389.057152	31.033744	213.057	8.687668	8.349

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 113.957 Dis=-113.449
Distancia: 378.037 Azimut: 22.346075
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 318.845 Dis=-169.457

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420873.123	4576277.340	19.704725	199.986	397.358650	225.306982	178.416	2.960907	15.749

Istram 21.04

PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 113.957 Dis=-113.449
Distancia: 236.255 Azimut: 84.712386
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 57.048 Dis=-181.256

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420873.123	4576277.340	19.704725	199.986	334.992339	342.827278	215.515	58.114892	15.749

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 113.957 Dis=-113.449
Distancia: 236.255 Azimut: 84.712386
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 57.048 Dis=-181.256

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420873.123	4576277.340	19.704725	199.986	334.992339	342.827278	215.515	58.114892	15.749
CLOT.	0.000	172.884810	0.000	420873.123	4576277.340	19.704725	199.986	334.992339	342.827278	215.515	58.114892	15.749
CLOT.	20.000	180.842557	0.000	420880.616	4576258.811	24.104645	185.062	339.392259	339.673257	198.353	54.960871	15.480
CIRC.	36.199	198.953882	0.000	420883.384	4576242.906	27.243121	171.515	342.530735	335.827598	187.164	51.115212	15.099
CIRC.	40.000	204.428387	0.000	420883.284	4576239.108	27.805576	168.024	343.093190	334.705022	185.251	49.992636	15.009
CIRC.	60.000	233.234712	0.000	420877.503	4576220.139	29.000687	148.417	344.288301	327.947526	181.379	43.235140	14.528
CIRC.	80.000	262.041036	0.000	420864.011	4576205.607	26.187773	129.558	341.475387	321.552858	188.364	36.840472	14.005
CIRC.	100.000	290.847361	0.000	420845.523	4576198.436	18.472284	116.446	333.759898	317.519818	203.830	32.807432	13.434
CIRC.	120.000	319.653685	0.000	420825.761	4576200.069	7.585512	114.021	322.873126	316.437063	223.325	31.724677	12.820
CIRC.	140.000	348.460010	0.000	420808.701	4576210.179	398.190830	123.372	313.478444	317.859901	242.460	33.147515	12.200
CIRC.	160.000	377.266334	0.000	420797.779	4576226.729	393.456254	140.614	308.743868	321.040915	257.860	36.328529	11.580
CIRC.	180.000	6.072659	0.000	420795.191	4576246.390	393.235442	160.437	308.523056	325.273385	267.278	40.560999	10.960
CIRC.	200.000	34.878983	0.000	420801.460	4576265.202	396.168374	178.669	311.455988	329.948579	269.498	45.236193	10.340
CIRC.	220.000	63.685308	0.000	420815.323	4576279.381	1.030187	192.550	316.317801	334.511250	264.246	49.798864	9.720
CLOT.	235.074	85.397061	0.000	420829.140	4576285.222	5.421364	199.086	320.708978	337.532825	255.711	52.820439	9.253
CLOT.	240.000	92.008944	0.000	420833.988	4576286.085	6.932349	200.415	322.219963	338.394276	252.185	53.681890	9.100
CLOT.	260.000	108.937771	0.000	420853.920	4576285.521	13.175560	202.996	328.463174	341.323429	235.698	56.611043	8.631
RECTA	271.273	111.466133	0.000	420865.036	4576283.648	16.696507	203.759	331.984121	342.797667	225.772	58.085281	8.492
RECTA	280.000	111.466133	0.000	420873.621	4576282.085	19.402680	204.660	334.690294	344.001265	218.120	59.288879	8.446
RECTA	300.000	111.466133	0.000	420893.298	4576278.502	25.482970	208.095	340.770584	347.102055	200.914	62.389669	8.396
RECTA	319.012	111.466133	0.000	420912.003	4576275.097	31.033744	213.057	346.321358	350.576272	185.079	65.863886	8.349

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 113.957 Dis=-113.449
Distancia: 378.037 Azimut: 22.346075
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 318.845 Dis=-169.457

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	172.884810	0.000	420873.123	4576277.340	19.704725	199.986	397.358650	225.306982	178.416	2.960907	15.749
CLOT.	0.000	172.884810	0.000	420873.123	4576277.340	19.704725	199.986	397.358650	225.306982	178.416	2.960907	15.749
CLOT.	20.000	180.842557	0.000	420880.616	4576258.811	24.104645	185.062	1.758569	220.660840	193.113	398.314765	15.480
CIRC.	36.199	198.953882	0.000	420883.384	4576242.906	27.243121	171.515	4.897046	218.298517	207.448	395.952442	15.099
CIRC.	40.000	204.428387	0.000	420883.284	4576239.108	27.805576	168.024	5.459501	218.002997	211.121	395.656922	15.009
CIRC.	60.000	233.234712	0.000	420877.503	4576220.139	29.000687	148.417	6.654611	218.074136	230.949	395.728061	14.528
CIRC.	80.000	262.041036	0.000	420864.011	4576205.607	26.187773	129.558	3.841697	220.346777	248.838	398.000702	14.005
CIRC.	100.000	290.847361	0.000	420845.523	4576198.436	18.472284	116.446	396.126209	224.067585	261.901	1.721510	13.434
CIRC.	120.000	319.653685	0.000	420825.761	4576200.069	7.585512	114.021	385.239437	228.571674	268.349	6.225599	12.820
CIRC.	140.000	348.460010	0.000	420808.701	4576210.179	398.190830	123.372	375.844755	233.279955	267.373	10.933880	12.200
CIRC.	160.000	377.266334	0.000	420797.779	4576226.729	393.456254	140.614	371.110179	237.639075	259.094	15.293000	11.580
CIRC.	180.000	6.072659	0.000	420795.191	4576246.390	393.235442	160.437	370.889367	241.052451	244.565	18.706376	10.960
CIRC.	200.000	34.878983	0.000	420801.460	4576265.202	396.168374	178.669	373.822298	242.828038	225.849	20.481963	10.340
CIRC.	220.000	63.685308	0.000	420815.323	4576279.381	1.030187	192.550	378.684112	242.208207	206.131	19.862131	9.720
CLOT.	235.074	85.397061	0.000	420829.140	4576285.222	5.421364	199.086	383.075289	239.803150	193.161	17.457075	9.253
CLOT.	240.000	92.008944	0.000	420833.988	4576286.085	6.932349	200.415	384.586273	238.653336	189.655	16.307261	9.100

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CLOT.     260.000 108.937771     0.000   420853.920  4576285.521  13.175560   202.996 390.829485 232.725679   179.524  10.379604      8.631

RECTA     271.273 111.466133     0.000   420865.036  4576283.648  16.696507   203.759 394.350432 228.889339   176.008   6.543264      8.492

RECTA     280.000 111.466133     0.000   420873.621  4576282.085  19.402680   204.660 397.056605 225.811531   173.853   3.465456      8.446

RECTA     300.000 111.466133     0.000   420893.298  4576278.502  25.482970   208.095   3.136895 218.516777   170.502 396.170702      8.396

RECTA     319.012 111.466133     0.000   420912.003  4576275.097  31.033744   213.057   8.687668 211.403228   169.458 389.057152      8.349

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     318.845 Dis=-169.457
                                                                      Distancia:   378.037  Azimut: 222.346075
 BO : BR517                X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     113.957 Dis=-113.449

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 172.884810     0.000   420873.123  4576277.340 225.306982   178.416   2.960907  19.704725   199.986 397.358650     15.749

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)


                              ==========================================
                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     318.845 Dis=-169.457
                                                                      Distancia:   378.037  Azimut: 222.346075
 BO : BR517                X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     113.957 Dis=-113.449

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 172.884810     0.000   420873.123  4576277.340 225.306982   178.416   2.960907  19.704725   199.986 397.358650     15.749

CLOT.       0.000 172.884810     0.000   420873.123  4576277.340 225.306982   178.416   2.960907  19.704725   199.986 397.358650     15.749

CLOT.      20.000 180.842557     0.000   420880.616  4576258.811 220.660840   193.113 398.314765  24.104645   185.062   1.758569     15.480

CIRC.      36.199 198.953882     0.000   420883.384  4576242.906 218.298517   207.448 395.952442  27.243121   171.515   4.897046     15.099

CIRC.      40.000 204.428387     0.000   420883.284  4576239.108 218.002997   211.121 395.656922  27.805576   168.024   5.459501     15.009

CIRC.      60.000 233.234712     0.000   420877.503  4576220.139 218.074136   230.949 395.728061  29.000687   148.417   6.654611     14.528

CIRC.      80.000 262.041036     0.000   420864.011  4576205.607 220.346777   248.838 398.000702  26.187773   129.558   3.841697     14.005

CIRC.     100.000 290.847361     0.000   420845.523  4576198.436 224.067585   261.901   1.721510  18.472284   116.446 396.126209     13.434

CIRC.     120.000 319.653685     0.000   420825.761  4576200.069 228.571674   268.349   6.225599   7.585512   114.021 385.239437     12.820

CIRC.     140.000 348.460010     0.000   420808.701  4576210.179 233.279955   267.373  10.933880 398.190830   123.372 375.844755     12.200

CIRC.     160.000 377.266334     0.000   420797.779  4576226.729 237.639075   259.094  15.293000 393.456254   140.614 371.110179     11.580

CIRC.     180.000   6.072659     0.000   420795.191  4576246.390 241.052451   244.565  18.706376 393.235442   160.437 370.889367     10.960

CIRC.     200.000  34.878983     0.000   420801.460  4576265.202 242.828038   225.849  20.481963 396.168374   178.669 373.822298     10.340

CIRC.     220.000  63.685308     0.000   420815.323  4576279.381 242.208207   206.131  19.862131   1.030187   192.550 378.684112      9.720

CLOT.     235.074  85.397061     0.000   420829.140  4576285.222 239.803150   193.161  17.457075   5.421364   199.086 383.075289      9.253

CLOT.     240.000  92.008944     0.000   420833.988  4576286.085 238.653336   189.655  16.307261   6.932349   200.415 384.586273      9.100

CLOT.     260.000 108.937771     0.000   420853.920  4576285.521 232.725679   179.524  10.379604  13.175560   202.996 390.829485      8.631

RECTA     271.273 111.466133     0.000   420865.036  4576283.648 228.889339   176.008   6.543264  16.696507   203.759 394.350432      8.492

RECTA     280.000 111.466133     0.000   420873.621  4576282.085 225.811531   173.853   3.465456  19.402680   204.660 397.056605      8.446

RECTA     300.000 111.466133     0.000   420893.298  4576278.502 218.516777   170.502 396.170702  25.482970   208.095   3.136895      8.396

RECTA     319.012 111.466133     0.000   420912.003  4576275.097 211.403228   169.458 389.057152  31.033744   213.057   8.687668      8.349

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   60 : Lazo Tronco B-25 a C31C (El Prat de Llobreg)


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     318.845 Dis=-169.457
                                                                      Distancia:   314.924  Azimut: 179.537755
 BO : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:      57.048 Dis=-181.256

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 172.884810     0.000   420873.123  4576277.340 225.306982   178.416  45.769227 342.827278   215.515 363.289523     15.749

CLOT.       0.000 172.884810     0.000   420873.123  4576277.340 225.306982   178.416  45.769227 342.827278   215.515 363.289523     15.749

CLOT.      20.000 180.842557     0.000   420880.616  4576258.811 220.660840   193.113  41.123085 339.673257   198.353 360.135502     15.480

CIRC.      36.199 198.953882     0.000   420883.384  4576242.906 218.298517   207.448  38.760762 335.827598   187.164 356.289843     15.099

CIRC.      40.000 204.428387     0.000   420883.284  4576239.108 218.002997   211.121  38.465242 334.705022   185.251 355.167267     15.009

CIRC.      60.000 233.234712     0.000   420877.503  4576220.139 218.074136   230.949  38.536381 327.947526   181.379 348.409771     14.528

CIRC.      80.000 262.041036     0.000   420864.011  4576205.607 220.346777   248.838  40.809022 321.552858   188.364 342.015103     14.005

CIRC.     100.000 290.847361     0.000   420845.523  4576198.436 224.067585   261.901  44.529830 317.519818   203.830 337.982063     13.434

CIRC.     120.000 319.653685     0.000   420825.761  4576200.069 228.571674   268.349  49.033919 316.437063   223.325 336.899308     12.820

CIRC.     140.000 348.460010     0.000   420808.701  4576210.179 233.279955   267.373  53.742200 317.859901   242.460 338.322146     12.200

CIRC.     160.000 377.266334     0.000   420797.779  4576226.729 237.639075   259.094  58.101320 321.040915   257.860 341.503160     11.580

CIRC.     180.000   6.072659     0.000   420795.191  4576246.390 241.052451   244.565  61.514696 325.273385   267.278 345.735630     10.960

CIRC.     200.000  34.878983     0.000   420801.460  4576265.202 242.828038   225.849  63.290283 329.948579   269.498 350.410824     10.340

CIRC.     220.000  63.685308     0.000   420815.323  4576279.381 242.208207   206.131  62.670452 334.511250   264.246 354.973495      9.720

CLOT.     235.074  85.397061     0.000   420829.140  4576285.222 239.803150   193.161  60.265395 337.532825   255.711 357.995070      9.253

CLOT.     240.000  92.008944     0.000   420833.988  4576286.085 238.653336   189.655  59.115581 338.394276   252.185 358.856521      9.100

CLOT.     260.000 108.937771     0.000   420853.920  4576285.521 232.725679   179.524  53.187924 341.323429   235.698 361.785674      8.631

RECTA     271.273 111.466133     0.000   420865.036  4576283.648 228.889339   176.008  49.351584 342.797667   225.772 363.259912      8.492

RECTA     280.000 111.466133     0.000   420873.621  4576282.085 225.811531   173.853  46.273776 344.001265   218.120 364.463510      8.446

RECTA     300.000 111.466133     0.000   420893.298  4576278.502 218.516777   170.502  38.979022 347.102055   200.914 367.564300      8.396

RECTA     319.012 111.466133     0.000   420912.003  4576275.097 211.403228   169.458  31.865473 350.576272   185.079 371.038517      8.349

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   71 : Ramal Centro Comercial-Via de Servicio 02


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:       0.000 Dis=-145.035
                                                                      Distancia:   230.747  Azimut:  74.799222
 BO : BR511                X:  421254.586  Y: 4576232.022  Z:   8.210  PK:       0.000 Dis= 171.599

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  11.623547     0.000   421089.793  4576279.870  21.525474   145.035 346.726252 317.989847   171.599  43.190624     16.260

CLOT.       2.560  11.623547     0.000   421090.258  4576282.388  21.354376   147.565 346.555153 318.933418   171.873  44.134196     16.276

CLOT.      20.000   8.934278     0.000   421093.183  4576299.579  20.234909   164.786 345.435686 325.235926   174.971  50.436703     16.208

CLOT.      40.000 399.229408     0.000   421094.648  4576319.506  18.563628   184.236 343.764405 331.864462   182.301  57.065240     15.729

CIRC.      47.560 393.718616     0.000   421094.239  4576327.053  17.711722   191.364 342.912500 334.059345   186.392  59.260123     15.452

CIRC.      60.000 383.819280     0.000   421092.058  4576339.287  15.996736   202.603 341.197514 337.137801   194.733  62.338579     14.992

CIRC.      80.000 367.903785     0.000   421084.675  4576357.818  12.577214   219.032 337.777991 340.572110   211.411  65.772888     14.252

CIRC.     100.000 351.988291     0.000   421072.936  4576373.947   8.564731   233.005 333.765509 342.223053   230.520  67.423831     13.512

CLOT.     117.111 338.372002     0.000   421059.981  4576385.075   4.803856   242.718 330.004633 342.426961   247.581  67.627738     12.878

CLOT.     120.000 336.146608     0.000   421057.572  4576386.670   4.146208   244.141 329.346985 342.367275   250.461  67.568052     12.771

CLOT.     140.000 324.789759     0.000   421039.759  4576395.704 399.515127   252.664 324.715904 341.449558   270.079  66.650335     12.032

CLOT.     160.000 320.506464     0.000   421020.951  4576402.495 394.923664   260.275 320.124441 340.129433   289.217  65.330210     11.292

CLOT.     162.111 320.467071     0.000   421018.949  4576403.162 394.449942   261.107 319.650720 339.989271   291.228  65.190049     11.213

CLOT.     180.000 331.785671     0.000   421002.364  4576409.801 390.683341   269.636 315.884118 339.086703   308.579  64.287480     10.630

CIRC.     198.111 366.303695     0.000   420989.152  4576421.861 388.144558   283.719 313.345336 339.524890   326.334  64.725668     10.274

CIRC.     200.000 371.114674     0.000   420988.261  4576423.526 388.017975   285.521 313.218752 339.687112   328.029  64.887889     10.242

CIRC.     201.435 374.769537     0.000   420987.669  4576424.833 387.943273   286.916 313.144050 339.825544   329.273  65.026322     10.218

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   71 : Ramal Centro Comercial-Via de Servicio 02


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR511                X:  421254.586  Y: 4576232.022  Z:   8.210  PK:       0.000 Dis= 171.599
                                                                      Distancia:   230.747  Azimut: 274.799222
 BO : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:       0.000 Dis=-145.035

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  11.623547     0.000   421089.793  4576279.870 317.989847   171.599  43.190624  21.525474   145.035 346.726252     16.260

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   71 : Ramal Centro Comercial-Via de Servicio 02


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR511                X:  421254.586  Y: 4576232.022  Z:   8.210  PK:       0.000 Dis= 171.599
                                                                      Distancia:   376.316  Azimut: 337.652946
 BO : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     201.435 Dis= -48.552

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  11.623547     0.000   421089.793  4576279.870 317.989847   171.599 380.336900 152.953703   219.136  15.300756     16.260

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :   71 : Ramal Centro Comercial-Via de Servicio 02


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:     201.435 Dis= -48.552
                                                                      Distancia:   376.316  Azimut: 137.652946
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BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 0.000 Dis= 171.599

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	11.623547	0.000	421089.793	4576279.870	152.953703	219.136	15.300756	317.989847	171.599	380.336900	16.260
CLOT.	2.560	11.623547	0.000	421090.258	4576282.388	152.357064	217.598	14.704118	318.933418	171.873	381.280472	16.276
CLOT.	20.000	8.934278	0.000	421093.183	4576299.579	148.106450	207.453	10.453503	325.235926	174.971	387.582979	16.208
CLOT.	40.000	399.229408	0.000	421094.648	4576319.506	143.050495	195.470	5.397548	331.864462	182.301	394.211516	15.729
CIRC.	47.560	393.718616	0.000	421094.239	4576327.053	141.168762	190.511	3.515816	334.059345	186.392	396.406399	15.452
CIRC.	60.000	383.819280	0.000	421092.058	4576339.287	138.205361	181.596	0.552415	337.137801	194.733	399.484855	14.992
CIRC.	80.000	367.903785	0.000	421084.675	4576357.818	133.921151	165.411	396.268205	340.572110	211.411	2.919164	14.252
CIRC.	100.000	351.988291	0.000	421072.936	4576373.947	130.492923	147.320	392.839977	342.223053	230.520	4.570107	13.512
CLOT.	117.111	338.372002	0.000	421059.981	4576385.075	128.591262	130.753	390.938316	342.426961	247.581	4.774014	12.878
CLOT.	120.000	336.146608	0.000	421057.572	4576386.670	128.396327	127.891	390.743381	342.367275	250.461	4.714328	12.771
CLOT.	140.000	324.789759	0.000	421039.759	4576395.704	128.122066	107.924	390.469119	341.449558	270.079	3.796611	12.032
CLOT.	160.000	320.506464	0.000	421020.951	4576402.495	129.497261	88.040	391.844314	340.129433	289.217	2.476486	11.292
CLOT.	162.111	320.467071	0.000	421018.949	4576403.162	129.717958	85.950	392.065012	339.989271	291.228	2.336325	11.213
CLOT.	180.000	331.785671	0.000	421002.364	4576409.801	131.152110	68.170	393.499164	339.086703	308.579	1.433756	10.630
CIRC.	198.111	366.303695	0.000	420989.152	4576421.861	125.612805	51.033	387.959858	339.524890	326.334	1.871944	10.274
CIRC.	200.000	371.114674	0.000	420988.261	4576423.526	124.093249	49.575	386.440302	339.687112	328.029	2.034165	10.242
CIRC.	201.435	374.769537	0.000	420987.669	4576424.833	122.786896	48.552	385.133950	339.825544	329.273	2.172598	10.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 71 : Ramal Centro Comercial-Via de Servicio 02

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 201.435 Dis= -48.552
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 0.000 Dis=-145.035

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	11.623547	0.000	421089.793	4576279.870	152.953703	219.136	373.415948	21.525474	145.035	41.987719	16.260
CLOT.	2.560	11.623547	0.000	421090.258	4576282.388	152.357064	217.598	372.819309	21.354376	147.565	41.816621	16.276
CLOT.	20.000	8.934278	0.000	421093.183	4576299.579	148.106450	207.453	368.568695	20.234909	164.786	40.697154	16.208
CLOT.	40.000	399.229408	0.000	421094.648	4576319.506	143.050495	195.470	363.512740	18.563628	184.236	39.025873	15.729
CIRC.	47.560	393.718616	0.000	421094.239	4576327.053	141.168762	190.511	361.631007	17.711722	191.364	38.173967	15.452
CIRC.	60.000	383.819280	0.000	421092.058	4576339.287	138.205361	181.596	358.667606	15.996736	202.603	36.458981	14.992
CIRC.	80.000	367.903785	0.000	421084.675	4576357.818	133.921151	165.411	354.383396	12.577214	219.032	33.039459	14.252
CIRC.	100.000	351.988291	0.000	421072.936	4576373.947	130.492923	147.320	350.955168	8.564731	233.005	29.026976	13.512
CLOT.	117.111	338.372002	0.000	421059.981	4576385.075	128.591262	130.753	349.053507	4.803856	242.718	25.266101	12.878
CLOT.	120.000	336.146608	0.000	421057.572	4576386.670	128.396327	127.891	348.858572	4.146208	244.141	24.608453	12.771
CLOT.	140.000	324.789759	0.000	421039.759	4576395.704	128.122066	107.924	348.584311	399.515127	252.664	19.977372	12.032
CLOT.	160.000	320.506464	0.000	421020.951	4576402.495	129.497261	88.040	349.959506	394.923664	260.275	15.385909	11.292
CLOT.	162.111	320.467071	0.000	421018.949	4576403.162	129.717958	85.950	350.180203	394.449942	261.107	14.912187	11.213
CLOT.	180.000	331.785671	0.000	421002.364	4576409.801	131.152110	68.170	351.614355	390.683341	269.636	11.145586	10.630
CIRC.	198.111	366.303695	0.000	420989.152	4576421.861	125.612805	51.033	346.075050	388.144558	283.719	8.606803	10.274
CIRC.	200.000	371.114674	0.000	420988.261	4576423.526	124.093249	49.575	344.555494	388.017975	285.521	8.480220	10.242
CIRC.	201.435	374.769537	0.000	420987.669	4576424.833	122.786896	48.552	343.249141	387.943273	286.916	8.405518	10.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 71 : Ramal Centro Comercial-Via de Servicio 02

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 201.435 Dis= -48.552
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 201.435 Dis=-235.454

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	11.623547	0.000	421089.793	4576279.870	152.953703	219.136	15.300756	317.989847	171.599	380.336900	16.260
CLOT.	2.560	11.623547	0.000	421090.258	4576282.388	152.357064	217.598	14.704118	318.933418	171.873	381.280472	16.276
CLOT.	20.000	8.934278	0.000	421093.183	4576299.579	148.106450	207.453	10.453503	325.235926	174.971	387.582979	16.208
CLOT.	40.000	399.229408	0.000	421094.648	4576319.506	143.050495	195.470	5.397548	331.864462	182.301	394.211516	15.729
CIRC.	47.560	393.718616	0.000	421094.239	4576327.053	141.168762	190.511	3.515816	334.059345	186.392	396.406399	15.452
CIRC.	60.000	383.819280	0.000	421092.058	4576339.287	138.205361	181.596	0.552415	337.137801	194.733	399.484855	14.992
CIRC.	80.000	367.903785	0.000	421084.675	4576357.818	133.921151	165.411	396.268205	340.572110	211.411	2.919164	14.252
CIRC.	100.000	351.988291	0.000	421072.936	4576373.947	130.492923	147.320	392.839977	342.223053	230.520	4.570107	13.512
CLOT.	117.111	338.372002	0.000	421059.981	4576385.075	128.591262	130.753	390.938316	342.426961	247.581	4.774014	12.878
CLOT.	120.000	336.146608	0.000	421057.572	4576386.670	128.396327	127.891	390.743381	342.367275	250.461	4.714328	12.771
CLOT.	140.000	324.789759	0.000	421039.759	4576395.704	128.122066	107.924	390.469119	341.449558	270.079	3.796611	12.032
CLOT.	160.000	320.506464	0.000	421020.951	4576402.495	129.497261	88.040	391.844314	340.129433	289.217	2.476486	11.292
CLOT.	162.111	320.467071	0.000	421018.949	4576403.162	129.717958	85.950	392.065012	339.989271	291.228	2.336325	11.213
CLOT.	180.000	331.785671	0.000	421002.364	4576409.801	131.152110	68.170	393.499164	339.086703	308.579	1.433756	10.630
CIRC.	198.111	366.303695	0.000	420989.152	4576421.861	125.612805	51.033	387.959858	339.524890	326.334	1.871944	10.274
CIRC.	200.000	371.114674	0.000	420988.261	4576423.526	124.093249	49.575	386.440302	339.687112	328.029	2.034165	10.242
CIRC.	201.435	374.769537	0.000	420987.669	4576424.833	122.786896	48.552	385.133950	339.825544	329.273	2.172598	10.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 91 : Glorieta Via de Servicio B20 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 53.876 Dis= 15.517
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 46.718 Dis= 209.977

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	0.000000	0.000	420993.064	4576417.885	128.021071	56.230	159.329352	159.924969	244.247	391.233250	10.371
CIRC.	20.000	342.125475	0.000	420984.583	4576435.241	109.835631	42.900	141.143913	158.974570	225.248	390.282852	10.053
CIRC.	40.000	284.250950	0.000	420965.677	4576439.215	107.095176	23.630	138.403458	162.814970	211.099	394.123252	9.774
CIRC.	60.000	226.376426	0.000	420950.926	4576426.741	166.626481	17.444	197.934762	168.523578	214.230	399.831860	9.749
CIRC.	80.000	168.501901	0.000	420951.703	4576407.438	182.833774	35.694	214.142056	170.852486	231.745	2.160768	9.990
CIRC.	100.000	110.627376	0.000	420967.409	4576396.190	167.874679	52.153	199.182961	168.520555	248.944	399.828837	10.323
CIRC.	120.000	52.752851	0.000	420985.934	4576401.670	147.295388	59.389	178.603669	163.770321	253.617	395.078603	10.471
CIRC.	138.230	0.000000	0.000	420993.064	4576417.885	128.021071	56.230	159.329352	159.924969	244.247	391.233250	10.371

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 123 : Deflectora 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 24.973 Dis= -30.717
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 0.000 Dis=-212.815

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	111.099762	0.000	420916.640	4576413.446	246.647704	38.202	277.955986	179.493063	212.815	10.801344	9.870
CIRC.	20.000	102.777935	0.000	420936.507	4576411.272	211.708087	31.096	243.016369	174.278331	221.911	5.586613	9.880
CIRC.	24.807	100.777640	0.000	420941.313	4576411.137	201.826872	30.718	233.135154	173.037341	223.966	4.345623	9.889
CIRC.	38.762	160.003934	0.000	420953.265	4576404.954	181.437945	38.514	212.746226	170.770105	234.664	2.078387	10.039

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 124 : Deflectora 02

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 0.000 Dis= 17.266
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 36.816 Dis= 206.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	227.269380	0.000	420951.052	4576427.023	165.703893	17.266	197.012174	168.450794	214.042	399.759076	9.747
CIRC.	17.798	302.807047	0.000	420936.746	4576418.268	214.457899	24.196	245.766181	173.401330	215.593	4.709612	9.598
CIRC.	20.000	303.767147	0.000	420934.547	4576418.381	220.058376	24.676	251.366658	173.983845	214.605	5.292127	9.551
CIRC.	36.816	311.099761	0.000	420917.854	4576420.339	253.933301	32.478	285.241583	178.466013	206.687	9.774294	9.379

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 125 : Deflectora 03

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:      54.678 Dis=  27.682
                                                                       Distancia:   196.794  Azimut: 368.691718
 BO : BR509                X:  420849.267  Y: 4576615.315  Z:   8.609  PK:      54.678 Dis= 212.879

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 335.011221     0.000   421019.686  4576450.205  93.156644    77.942 124.464926 148.992773   237.284 380.301055     10.278

CIRC.      20.000 292.341764     0.000   421000.509  4576454.389  86.508817    59.650 117.817099 151.974128   220.842 383.282410     10.155

CIRC.      40.000 249.672306     0.000   420982.882  4576445.756  93.895684    40.876 125.203965 157.512545   215.877 388.820826      9.962

CIRC.      40.008 249.654423     0.000   420982.876  4576445.750  93.904043    40.869 125.212324 157.514998   215.879 388.823279      9.962

CIRC.      54.678 296.349678     0.000   420969.804  4576439.848 104.590928    27.682 135.899210 161.681008   212.879 392.989290      9.813

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :  126 : Deflectora 04


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR510                X:  420942.194  Y: 4576441.843  Z:   8.219  PK:       7.615 Dis= -50.456
                                                                       Distancia:   196.794  Azimut: 368.691718
 BO : BR509                X:  420849.267  Y: 4576615.315  Z:   8.609  PK:      17.869 Dis=-228.649

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 380.763087     0.000   420992.068  4576424.432 121.382759    52.825 152.691041 159.110753   238.387 390.419034     10.279

CIRC.       0.000 380.763086     0.000   420992.068  4576424.432 121.382759    52.825 152.691041 159.110753   238.387 390.419034     10.279

CIRC.      20.000  64.254203     0.000   420998.507  4576441.879  99.959751    56.313 131.268033 154.764925   228.807 386.073207      9.967

CIRC.      36.841 134.557345     0.000   421014.504  4576442.028  99.837190    72.310 131.145471 151.513562   239.440 382.821844      9.890

CIRC.      36.985 135.011206     0.000   421014.627  4576441.953  99.903104    72.433 131.211386 151.503641   239.579 382.811923      9.890

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :  158 : ACUERDO 201-199(1001).DP


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:      33.822 Dis=  21.131
                                                                       Distancia:   166.314  Azimut: 277.894167
 BO : BR512                X:  421985.035  Y: 4576162.397  Z:   7.721  PK:      46.897 Dis= 153.326

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 286.887127     0.000   422180.722  4576203.696 123.632021    42.172 245.737853  86.758588   199.998   8.864420      8.210

RECTA      16.524 293.900103     0.000   422164.395  4576201.214 141.933732    29.049 264.039565  86.431621   183.512   8.537454      8.237

RECTA      20.000 293.900103     0.000   422160.934  4576200.881 147.634635    26.623 269.740467  86.287772   180.060   8.393605      8.254

CIRC.      24.491 293.900103     0.000   422156.464  4576200.451 156.614470    23.876 278.720303  86.093534   175.602   8.199367      8.283

CIRC.      33.980 281.818716     0.000   422147.161  4576198.656 182.494487    21.132 304.600320  85.992839   166.131   8.098672      8.317

CIRC.      40.000 278.443366     0.000   422141.432  4576196.807 199.972752    22.187 322.078584  86.212859   160.138   8.318692      8.307

CIRC.      46.897 274.576094     0.000   422135.000  4576194.320 216.211293    25.496 338.317125  86.647598   153.326   8.753430      8.269

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :  159 : ACUERDO 201-199(1001).IP


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:       7.190 Dis= -29.684
                                                                       Distancia:   166.314  Azimut: 277.894167
 BO : BR512                X:  421985.035  Y: 4576162.397  Z:   7.721  PK:       0.000 Dis=-154.845

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000  74.576305     0.000   422137.802  4576187.684 207.330848    31.519 329.436680  89.556931   154.845  11.662764      8.134

RECTA      11.165 103.008282     0.000   422148.703  4576189.623 184.532039    30.260 306.637872  89.505903   165.917  11.611736      8.124

CIRC.      15.499 103.008282     0.000   422153.032  4576189.419 176.187364    31.772 298.293197  89.847246   170.156  11.953078      8.140

CIRC.      20.000 122.110284     0.000   422157.429  4576188.540 169.193941    34.404 291.299774  90.419001   174.365  12.524833      8.154

CIRC.      33.567 179.692202     0.000   422166.567  4576179.139 164.169459    47.123 286.275292  94.145109   182.302  16.250942      8.137

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :  199 : Glorieta existente


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:      47.047 Dis=  35.899
                                                                       Distancia:   166.314  Azimut: 277.894167
 BO : BR512                X:  421985.035  Y: 4576162.397  Z:   7.721  PK:      61.842 Dis= 181.860

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000   0.000000     0.000   422203.608  4576185.098 131.770969    70.823 253.876801  93.411683   219.749  15.517515      8.147

CIRC.      20.000 332.987392     0.000   422194.019  4576201.604 120.328615    55.396 242.434447  88.193778   212.630  10.299611      8.202

CIRC.      40.000 265.974785     0.000   422174.930  4576201.448 130.709295    37.823 252.815128  87.088129   193.869   9.193961      8.205

CIRC.      60.000 198.962177     0.000   422165.611  4576184.788 160.816288    41.894 282.922121  92.146036   181.959  14.251868      8.154

CIRC.      80.000 131.949570     0.000   422175.468  4576168.441 162.268273    60.948 284.374106  97.980171   190.529  20.086004      8.100

CIRC.     100.000  64.936962     0.000   422194.552  4576168.908 148.123884    73.016 270.229717  98.022344   209.618  20.128176      8.097

CIRC.     119.381   0.000000     0.000   422203.608  4576185.098 131.770969    70.823 253.876801  93.411683   219.749  15.517515      8.147

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :  200 : Ramal de aceleracion Via de servicio - B20


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:       0.000 Dis=  49.179
                                                                       Distancia:   166.314  Azimut: 277.894167
 BO : BR512                X:  421985.035  Y: 4576162.397  Z:   7.721  PK:      94.966 Dis= 121.947

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 178.337215     0.000   422172.354  4576180.759 156.697908    49.179 278.803740  93.779278   188.217  15.885111      8.140

CIRC.       0.000 178.337214     0.000   422172.354  4576180.759 156.697908    49.179 278.803740  93.779278   188.217  15.885111      8.140

CLOT.      17.498 222.895280     0.000   422172.188  4576163.617 167.717152    63.349 289.822984  99.584948   187.157  21.690780      8.085

CLOT.      20.000 229.045377     0.000   422171.194  4576161.322 169.662765    64.903 291.768598 100.367659   186.162  22.473491      8.080

CIRC.      35.498 257.272748     0.000   422161.289  4576149.568 182.257088    72.212 304.362920 104.625461   176.721  26.731294      8.091

CIRC.      40.000 263.004984     0.000   422157.643  4576146.931 185.906183    73.866 308.012016 105.689069   173.299  27.794901      8.108

CLOT.      45.921 270.543755     0.000   422152.513  4576143.981 190.655968    75.828 312.761800 106.972349   168.487  29.078182      8.141

CLOT.      60.000 285.945960     0.000   422139.249  4576139.362 201.737228    79.662 323.843061 109.439433   155.925  31.545265      8.265

CLOT.      80.000 299.147386     0.000   422119.393  4576137.295 216.767548    84.617 338.873380 111.758503   136.683  33.864335      8.489

CIRC.      94.966 302.363147     0.000   422104.431  4576137.584 227.151788    89.420 349.257621 113.044636   121.947  35.150468      8.611

CIRC.      94.966 302.363147     0.000   422104.431  4576137.584 227.151788    89.420 349.257621 113.044636   121.947  35.150468      8.611

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    2 : NUDO B20 C32
 EJE        :  201 : Via de Servicio B20 - C31C_ 02


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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:      40.690 Dis=  24.923
                                                                       Distancia:   166.314  Azimut: 277.894167
 BO : BR512                X:  421985.035  Y: 4576162.397  Z:   7.721  PK:     210.782 Dis=   5.726

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 359.607789     0.000   422184.608  4576185.098 142.364612    54.899 264.470444  92.789575   200.860  14.895408      8.162

CLOT.       3.047 351.849722     0.000   422182.658  4576187.436 141.586710    51.925 263.692543  91.976792   199.203  14.082624      8.166

CLOT.      20.000 314.396211     0.000   422168.036  4576195.523 146.011112    35.484 268.116944  88.599482   185.975  10.705315      8.189

CLOT.      40.000 284.915475     0.000   422148.222  4576195.002 182.420803    24.937 304.526636  87.445564   166.412   9.551396      8.208

CLOT.      60.000 271.350233     0.000   422129.571  4576187.889 223.176773    33.287 345.282605  88.886079   146.766  10.991911      8.194

CLOT.      67.047 270.362391     0.000   422123.258  4576184.758 231.055823    38.756 353.161655  89.789330   140.020  11.895162      8.181

CLOT.      80.000 270.954186     0.000   422111.665  4576178.979 240.708268    49.867 362.814101  91.710507   127.711  13.816339      8.146

CLOT.     100.000 274.192435     0.000   422093.525  4576170.561 249.646165    68.117 371.751998  95.218377   108.797  17.324209      8.086

CLOT.     120.000 280.252267     0.000   422074.825  4576163.490 255.768608    86.694 377.874441  99.224776    89.797  21.330609      8.026

CIRC.     127.213 283.130154     0.000   422067.910  4576161.441 257.714489    93.362 379.820321 100.734119    82.880  22.839951      8.004

CIRC.     140.000 288.557018     0.000   422055.442  4576158.622 261.028234   105.060 383.134067 103.409978    70.508  25.515811      7.966

CLOT.     142.267 289.519051     0.000   422053.208  4576158.234 261.602032   107.115 383.707864 103.882910    68.300  25.988742      7.959

CLOT.     160.000 295.936157     0.000   422035.592  4576156.264 265.936985   123.025 388.042817 107.684617    50.928  29.790449      7.911

CLOT.     180.000 300.511835     0.000   422015.603  4576155.781 270.360649   140.807 392.466481 113.570605    31.275  35.676438      7.872

CLOT.     200.000 302.265929     0.000   421995.610  4576156.291 274.145657   158.724 396.251489 133.338197    12.211  55.444029      7.851

CIRC.     202.433 302.286814     0.000   421993.178  4576156.378 274.557369   160.927 396.663201 140.524548    10.126  62.630380      7.849

CIRC.     220.000 302.174982     0.000   421975.622  4576156.993 277.218742   177.014 399.324574 266.823166    10.854 188.928999      7.845

CIRC.     240.000 302.047658     0.000   421955.633  4576157.656 279.699583   195.653   1.805416 289.823084    29.782 211.928917      7.857

CIRC.     260.000 301.920334     0.000   421935.643  4576158.280 281.735082   214.550   3.840914 294.705274    49.564 216.811106      7.885

CIRC.     280.000 301.793010     0.000   421915.651  4576158.863 283.429174   233.642   5.535007 296.760038    69.474 218.865870      7.925

CIRC.     300.000 301.665686     0.000   421895.659  4576159.406 284.856755   252.885   6.962587 297.870340    89.426 219.976172      7.961

CIRC.     320.000 301.538362     0.000   421875.665  4576159.909 286.072846   272.247   8.178678 298.552182   109.398 220.658014      7.986

CIRC.     340.000 301.411038     0.000   421855.670  4576160.372 287.118614   291.704   9.224447 299.003798   129.381 221.109630      7.996

CIRC.     360.000 301.283714     0.000   421835.675  4576160.796 288.025385   311.238  10.131217 299.317526   149.369 221.423358      7.994

CIRC.     365.791 301.246845     0.000   421829.885  4576160.911 288.265597   316.907  10.371429 299.390215   155.157 221.496047      7.990

CIRC.     380.000 301.608667     0.000   421815.680  4576161.229 288.826889   330.826  10.932722 299.561129   169.359 221.666961      7.978

CIRC.     400.000 302.117963     0.000   421795.688  4576161.815 289.565737   350.431  11.671569 299.804246   189.348 221.910078      7.949

CIRC.     418.485 302.588683     0.000   421777.216  4576162.498 290.202798   368.563  12.308631 300.030921   207.819 222.136753      7.910

 Istram 21.04
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PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 201 : Via de Servicio B20 - C31C_ 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421141.423 Y: 4576218.994 Z: 7.853 PK: 40.690 Dis= 24.923
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 210.782 Dis= 5.726

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	420.000	302.550108	0.000	421775.702	4576162.559	290.253105	370.050	12.358938	300.049286	209.333	222.155118	7.906
CIRC.	440.000	302.040812	0.000	421755.715	4576163.280	290.867449	389.711	12.973281	300.245142	229.322	222.350975	7.850
CIRC.	460.000	301.531516	0.000	421735.723	4576163.841	291.398202	409.432	13.504035	300.368750	249.316	222.474582	7.795
RECTA	474.869	301.152872	0.000	421720.857	4576164.155	291.745411	424.126	13.851244	300.423537	264.184	222.529370	7.789
RECTA	480.000	301.152872	0.000	421715.727	4576164.247	291.857459	429.202	13.963292	300.437431	269.314	222.543264	7.797
RECTA	500.000	301.152872	0.000	421695.730	4576164.610	292.270043	448.998	14.375876	300.486888	289.313	222.592721	7.870
RECTA	503.515	301.152872	0.000	421692.216	4576164.673	292.338827	452.480	14.444659	300.494882	292.828	222.600715	7.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 201 : Via de Servicio B20 - C31C_ 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 210.782 Dis= 5.726
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 40.690 Dis= 24.923

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	359.607789	0.000	422184.608	4576185.098	92.789575	200.860	14.895408	142.364612	54.899	264.470444	8.162

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 201 : Via de Servicio B20 - C31C_ 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 210.782 Dis= 5.726
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 40.690 Dis= 24.923

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	359.607789	0.000	422184.608	4576185.098	92.789575	200.860	14.895408	142.364612	54.899	264.470444	8.162
CLOT.	3.047	351.849722	0.000	422182.658	4576187.436	91.976792	199.203	14.082624	141.586710	51.925	263.692543	8.166
CLOT.	20.000	314.396211	0.000	422168.036	4576195.523	88.599482	185.975	10.705315	146.011112	35.484	268.116944	8.189
CLOT.	40.000	284.915475	0.000	422148.222	4576195.002	87.445564	166.412	9.551396	182.420803	24.937	304.526636	8.208
CLOT.	60.000	271.350233	0.000	422129.571	4576187.889	88.886079	146.766	10.991911	223.176773	33.287	345.282605	8.194
CLOT.	67.047	270.362391	0.000	422123.258	4576184.758	89.789330	140.020	11.895162	231.055823	38.756	353.161655	8.181
CLOT.	80.000	270.954186	0.000	422111.665	4576178.979	91.710507	127.711	13.816339	240.708268	49.867	362.814101	8.146
CLOT.	100.000	274.192435	0.000	422093.525	4576170.561	95.218377	108.797	17.324209	249.646165	68.117	371.751998	8.086
CLOT.	120.000	280.252267	0.000	422074.825	4576163.490	99.224776	89.797	21.330609	255.768608	86.694	377.874441	8.026
CIRC.	127.213	283.130154	0.000	422067.910	4576161.441	100.734119	82.880	22.839951	257.714489	93.362	379.820321	8.004
CIRC.	140.000	288.557018	0.000	422055.442	4576158.622	103.409978	70.508	25.515811	261.028234	105.060	383.134067	7.966
CLOT.	142.267	289.519051	0.000	422053.208	4576158.234	103.882910	68.300	25.988742	261.602032	107.115	383.707864	7.959
CLOT.	160.000	295.936157	0.000	422035.592	4576156.264	107.684617	50.928	29.790449	265.936985	123.025	388.042817	7.911
CLOT.	180.000	300.511835	0.000	422015.603	4576155.781	113.570605	31.275	35.676438	270.360649	140.807	392.466481	7.872
CLOT.	200.000	302.265929	0.000	421995.610	4576156.291	133.338197	12.211	55.444029	274.145657	158.724	396.251489	7.851
CIRC.	202.433	302.286814	0.000	421993.178	4576156.378	140.524548	10.126	62.630380	274.557369	160.927	396.663201	7.849
CIRC.	220.000	302.174982	0.000	421975.622	4576156.993	266.823166	10.854	188.928999	277.218742	177.014	399.324574	7.845
CIRC.	240.000	302.047658	0.000	421955.633	4576157.656	289.823084	29.782	211.928917	279.699583	195.653	1.805416	7.857
CIRC.	260.000	301.920334	0.000	421935.643	4576158.280	294.705274	49.564	216.811106	281.735082	214.550	3.840914	7.885
CIRC.	280.000	301.793010	0.000	421915.651	4576158.863	296.760038	69.474	218.865870	283.429174	233.642	5.535007	7.925
CIRC.	300.000	301.665686	0.000	421895.659	4576159.406	297.870340	89.426	219.976172	284.856755	252.885	6.962587	7.961
CIRC.	320.000	301.538362	0.000	421875.665	4576159.909	298.552182	109.398	220.658014	286.072846	272.247	8.178678	7.986
CIRC.	340.000	301.411038	0.000	421855.670	4576160.372	299.003798	129.381	221.109630	287.118614	291.704	9.224447	7.996
CIRC.	360.000	301.283714	0.000	421835.675	4576160.796	299.317526	149.369	221.423358	288.025385	311.238	10.131217	7.994
CIRC.	365.791	301.246845	0.000	421829.885	4576160.911	299.390215	155.157	221.496047	288.265597	316.907	10.371429	7.990
CIRC.	380.000	301.608667	0.000	421815.680	4576161.229	299.561129	169.359	221.666961	288.826889	330.826	10.932722	7.978
CIRC.	400.000	302.117963	0.000	421795.688	4576161.815	299.804246	189.348	221.910078	289.565737	350.431	11.671569	7.949
CIRC.	418.485	302.588683	0.000	421777.216	4576162.498	300.030921	207.819	222.136753	290.202798	368.563	12.308631	7.910

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 201 : Via de Servicio B20 - C31C_ 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 210.782 Dis= 5.726
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 40.690 Dis= 24.923

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	420.000	302.550108	0.000	421775.702	4576162.559	300.049286	209.333	222.155118	290.253105	370.050	12.358938	7.906
CIRC.	440.000	302.040812	0.000	421755.715	4576163.280	300.245142	229.322	222.350975	290.867449	389.711	12.973281	7.850
CIRC.	460.000	301.531516	0.000	421735.723	4576163.841	300.368750	249.316	222.474582	291.398202	409.432	13.504035	7.795
RECTA	474.869	301.152872	0.000	421720.857	4576164.155	300.423537	264.184	222.529370	291.745411	424.126	13.851244	7.789
RECTA	480.000	301.152872	0.000	421715.727	4576164.247	300.437431	269.314	222.543264	291.857459	429.202	13.963292	7.797
RECTA	500.000	301.152872	0.000	421695.730	4576164.610	300.486888	289.313	222.592721	292.270043	448.998	14.375876	7.870
RECTA	503.515	301.152872	0.000	421692.216	4576164.673	300.494882	292.828	222.600715	292.338827	452.480	14.444659	7.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 201 : Via de Servicio B20 - C31C_ 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 210.782 Dis= 5.726
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 503.515 Dis= 442.782

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	359.607789	0.000	422184.608	4576185.098	92.789575	200.860	186.739716	103.209321	931.205	397.159461	8.162
CLOT.	3.047	351.849722	0.000	422182.658	4576187.436	91.976792	199.203	185.926932	103.056088	929.142	397.006228	8.166
CLOT.	20.000	314.396211	0.000	422168.036	4576195.523	88.599482	185.975	182.549623	102.542378	914.179	396.492518	8.189
CLOT.	40.000	284.915475	0.000	422148.222	4576195.002	87.445564	166.412	181.395704	102.635776	894.402	396.585916	8.208
CLOT.	60.000	271.350233	0.000	422129.571	4576187.889	88.886079	146.766	182.836219	103.208294	876.097	397.158434	8.194
CLOT.	67.047	270.362391	0.000	422123.258	4576184.758	89.789330	140.020	183.739470	103.460371	869.957	397.410511	8.181
CLOT.	80.000	270.954186	0.000	422111.665	4576178.979	91.710507	127.711	185.660647	103.934868	858.719	397.885008	8.146
CLOT.	100.000	274.192435	0.000	422093.525	4576170.561	95.218377	108.797	189.168517	104.655580	841.188	398.605720	8.086
CLOT.	120.000	280.252267	0.000	422074.825	4576163.490	99.224776	89.797	193.174916	105.306678	823.097	399.256818	8.026
CIRC.	127.213	283.130154	0.000	422067.910	4576161.441	100.734119	82.880	194.684259	105.510818	816.380	399.460958	8.004
CIRC.	140.000	288.557018	0.000	422055.442	4576158.622	103.409978	70.508	197.360118	105.818480	804.212	399.768620	7.966
CLOT.	142.267	289.519051	0.000	422053.208	4576158.234	103.882910	68.300	197.833050	105.865358	802.024	399.815498	7.959
CLOT.	160.000	295.936157	0.000	422035.592	4576156.264	107.684617	50.928	201.634757	106.155950	784.672	0.106090	7.911
CLOT.	180.000	300.511835	0.000	422015.603	4576155.781	113.570605	31.275	207.520746	106.356686	764.826	0.306826	7.872
CLOT.	200.000	302.265929	0.000	421995.610	4576156.291	133.338197	12.211	227.288337	106.483636	744.883	0.433776	7.851
CIRC.	202.433	302.286814	0.000	421993.178	4576156.378	140.524548	10.126	234.474688	106.497404	742.455	0.447544	7.849
CIRC.	220.000	302.174982	0.000	421975.622	4576156.993	266.823166	10.854	360.773306	106.600713	724.929	0.550853	7.845
CIRC.	240.000	302.047658	0.000	421955.633	4576157.656	289.823084	29.782	383.773224	106.727970	704.980	0.678110	7.857
CIRC.	260.000	301.920334	0.000	421935.643	4576158.280	294.705274	49.564	388.655414	106.866345	685.037	0.816485	7.885
CIRC.	280.000	301.793010	0.000	421915.651	4576158.863	296.760038	69.474	390.710178	107.016833	665.101	0.966973	7.925
CIRC.	300.000	301.665686	0.000	421895.659	4576159.406	297.870340	89.426	391.820480	107.180554	645.172	1.130694	7.961
CIRC.	320.000	301.538362	0.000	421875.665	4576159.909	298.552182	109.398	392.502322	107.358767	625.251	1.308908	7.986
CIRC.	340.000	301.411038	0.000	421855.670	4576160.372	299.003798	129.381	392.953938	107.552897	605.340	1.503037	7.996
CIRC.	360.000	301.283714	0.000	421835.675	4576160.796	299.317526	149.369	393.267666	107.764557	585.438	1.714697	7.994
CIRC.	365.791	301.246845	0.000	421829.885	4576160.911	299.390215	155.157	393.340355	107.829376	579.677	1.779516	7.990
CIRC.	380.000	301.608667	0.000	421815.680	4576161.229	299.561129	169.359	393.511269	107.989940	565.542	1.940080	7.978
CIRC.	400.000	302.117963	0.000	421795.688	4576161.815	299.804246	189.348	393.754386	108.214161	545.638	2.164301	7.949
CIRC.	418.485	302.588683	0.000	421777.216	4576162.498	300.030921	207.819	393.981061	108.419355	527.234	2.369495	7.910

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 201 : Via de Servicio B20 - C31C_ 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 210.782 Dis= 5.726
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 503.515 Dis= 442.782

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	420.000	302.550108	0.000	421775.702	4576162.559	300.049286	209.333	393.999426	108.436188	525.725	2.386328	7.906
CIRC.	440.000	302.040812	0.000	421755.715	4576163.280	300.245142	229.322	394.195282	108.678613	505.822	2.628753	7.850
CIRC.	460.000	301.531516	0.000	421735.723	4576163.841	300.368750	249.316	394.318890	108.961732	485.944	2.911872	7.795
RECTA	474.869	301.152872	0.000	421720.857	4576164.155	300.423537	264.184	394.373677	109.201611	471.184	3.151751	7.789

RECTA	480.000	301.152872	0.000	421715.727	4576164.247	300.437431	269.314	394.387571	109.289974	466.095	3.240114	7.797
RECTA	500.000	301.152872	0.000	421695.730	4576164.610	300.486888	289.313	394.437028	109.653659	446.265	3.603799	7.870
RECTA	503.515	301.152872	0.000	421692.216	4576164.673	300.494882	292.828	394.445023	109.720944	442.782	3.671085	7.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 6.320 Dis= 27.213
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	185.921581	27.807	217.229863	170.807683	223.712	2.115964	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	230.729999	29.892	262.038280	176.031195	215.008	7.339476	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	261.559539	40.798	292.867821	181.340784	205.396	12.649066	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	279.848140	55.429	311.156421	186.758683	194.927	18.066965	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	292.084225	71.358	323.392507	192.313845	183.659	23.622127	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	301.378120	87.677	332.686402	198.044857	171.655	29.353138	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	309.090301	103.979	340.398582	204.004424	158.990	35.312706	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	315.870725	120.040	347.179007	210.266505	145.746	41.574787	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	320.216512	130.964	351.524794	214.845383	136.267	46.153664	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	322.059093	135.712	353.367374	216.939984	132.029	48.248266	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	327.704248	151.158	359.012530	224.345018	118.293	55.653300	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	331.862028	164.347	363.170310	231.611589	107.605	62.919871	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	332.604396	166.985	363.912678	233.189406	105.680	64.497688	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	336.672647	183.564	367.980929	244.115331	95.510	75.423613	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	340.055637	200.768	371.363919	257.153058	88.747	88.461340	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	341.885064	211.752	373.193345	266.090105	86.625	97.398387	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	342.898208	218.447	374.206489	271.622850	86.197	102.931132	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	345.319831	236.482	376.628112	286.185289	88.190	117.493571	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	347.422843	254.765	378.731124	299.484521	94.365	130.792803	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	349.286561	273.214	380.594842	310.799282	103.908	142.107563	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	350.972201	291.764	382.280483	320.080561	115.926	151.388843	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	352.253605	306.993	383.561887	326.372814	127.081	157.681095	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	352.527360	310.364	383.835641	327.628421	129.671	158.936702	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	353.985199	328.977	385.293481	333.813182	144.609	165.121464	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	355.362660	347.590	386.670941	338.946803	160.396	170.255085	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	356.672012	366.195	387.980294	343.273564	176.799	174.581846	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	357.923173	384.784	389.231455	346.978239	193.653	178.286521	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	359.124237	403.351	390.432519	350.198658	210.844	181.506940	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 6.320 Dis= 27.213
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	360.281877	421.891	391.590159	353.037656	228.288	184.345938	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	361.401639	440.398	392.709921	355.572506	245.922	186.880788	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	362.488168	458.867	393.796449	357.861871	263.702	189.170153	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	363.545384	477.295	394.853666	359.950808	281.592	191.259090	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	364.576619	495.677	395.884900	361.874331	299.564	193.182613	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	365.584719	514.010	396.893001	363.659974	317.595	194.968255	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	366.572132	532.290	397.880414	365.329624	335.669	196.637905	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	366.740626	535.440	398.048908	365.607411	338.792	196.915693	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	367.548923	550.483	398.857205	366.913178	353.738	198.221460	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	368.575324	568.329	399.883605	368.513672	371.535	199.821954	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	368.846686	572.666	0.154968	368.927822	375.873	200.236103	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	369.716032	585.441	1.024314	370.234634	388.685	201.542916	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	370.978812	601.598	2.287094	372.089974	404.993	203.398256	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	372.288825	616.099	3.597106	373.974515	419.766	205.282797	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	372.347464	616.703	3.655746	374.058088	420.385	205.366370	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	373.796969	630.778	5.105251	376.105136	434.902	207.413418	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	375.271384	644.268	6.579665	378.151175	448.983	209.459457	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	376.130893	652.187	7.439175	379.326251	457.310	210.634533	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	376.716868	657.741	8.025150	380.119234	463.170	211.427516	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	378.105453	671.521	9.413735	381.971368	477.755	213.279650	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	379.437592	685.607	10.745874	383.712395	492.720	215.020677	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	380.715562	699.981	12.023843	385.349641	508.032	216.657922	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	381.941630	714.626	13.249912	386.890132	523.660	218.198414	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	383.118040	729.525	14.426322	388.340548	539.576	219.648830	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	384.246993	744.663	15.555275	389.707182	555.757	221.015464	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	384.954598	754.598	16.262880	390.551262	566.378	221.859543	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	385.169194	757.681	16.477475	390.805373	569.673	222.113654	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	385.330980	760.022	16.639262	390.996425	572.176	222.304707	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 6.320 Dis= 27.213
Distancia: 196.794 Azimut: 368.691718
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	386.379107	775.522	17.687389	392.223655	588.754	223.531937	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	387.396038	791.125	18.704320	393.397428	605.452	224.705710	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	388.383393	806.824	19.691675	394.521708	622.259	225.829989	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	389.342701	822.613	20.650983	395.600112	639.167	226.908394	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	390.275399	838.486	21.583680	396.635947	656.166	227.944229	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	391.182841	854.437	22.491123	397.632235	673.249	228.940517	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	391.581581	861.608	22.889863	398.066547	680.928	229.374829	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	392.063432	870.490	23.371714	398.587866	690.432	229.896148	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	392.904481	886.777	24.212763	399.486865	707.826	230.795147	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	393.705724	903.303	25.014006	0.330202	725.429	231.638484	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	394.052127	910.779	25.360409	0.690785	733.378	231.999067	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	394.470637	920.037	25.778918	1.123683	743.213	232.431965	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	395.209782	936.883	26.518064	1.882139	761.093	233.190421	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	395.925562	953.825	27.233843	2.609360	779.055	233.917642	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	396.619077	970.858	27.927359	3.307331	797.093	234.615613	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	397.291371	987.976	28.599652	3.977881	815.201	235.286163	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	397.943428	1005.175	29.251709	4.622702	833.375	235.930983	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	398.576181	1022.452	29.884463	5.243355	851.611	236.551637	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	399.190513	1039.801	30.498795	5.841287	869.904	237.149569	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	399.638793	1052.833	30.947074	6.274781	883.633	237.583063	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 6.320 Dis= 27.213

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	170.807683	223.712	2.115964	185.921581	27.807	217.229863	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	176.031195	215.008	7.339476	230.729999	29.892	262.038280	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	181.340784	205.396	12.649066	261.559539	40.798	292.867821	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	186.758683	194.927	18.066965	279.848140	55.429	311.156421	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	192.313845	183.659	23.622127	292.084225	71.358	323.392507	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	198.044857	171.655	29.353138	301.378120	87.677	332.686402	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	204.004424	158.990	35.312706	309.090301	103.979	340.398582	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	210.266505	145.746	41.574787	315.870725	120.040	347.179007	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	214.845383	136.267	46.153664	320.216512	130.964	351.524794	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	216.939984	132.029	48.248266	322.059093	135.712	353.367374	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	224.345018	118.293	55.653300	327.704248	151.158	359.012530	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	231.611589	107.605	62.919871	331.862028	164.347	363.170310	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	233.189406	105.680	64.497688	332.604396	166.985	363.912678	10.741

RECTA	220.000	372.473830	0.000	420788.253	4576541.834	244.115331	95.510	75.423613	336.672647	183.564	367.980929	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	257.153058	88.747	88.461340	340.055637	200.768	371.363919	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	266.090105	86.625	97.398387	341.885064	211.752	373.193345	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	271.622850	86.197	102.931132	342.898208	218.447	374.206489	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	286.185289	88.190	117.493571	345.319831	236.482	376.628112	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	299.484521	94.365	130.792803	347.422843	254.765	378.731124	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	310.799282	103.908	142.107563	349.286561	273.214	380.594842	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	320.080561	115.926	151.388843	350.972201	291.764	382.280483	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	326.372814	127.081	157.681095	352.253605	306.993	383.561887	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	327.628421	129.671	158.936702	352.527360	310.364	383.835641	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	333.813182	144.609	165.121464	353.985199	328.977	385.293481	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	338.946803	160.396	170.255085	355.362660	347.590	386.670941	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	343.273564	176.799	174.581846	356.672012	366.195	387.980294	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	346.978239	193.653	178.286521	357.923173	384.784	389.231455	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	350.198658	210.844	181.506940	359.124237	403.351	390.432519	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 6.320 Dis= 27.213

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	353.037656	228.288	184.345938	360.281877	421.891	391.590159	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	355.572506	245.922	186.880788	361.401639	440.398	392.709921	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	357.861871	263.702	189.170153	362.488168	458.867	393.796449	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	359.950808	281.592	191.259090	363.545384	477.295	394.853666	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	361.874331	299.564	193.182613	364.576619	495.677	395.884900	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	363.659974	317.595	194.968255	365.584719	514.010	396.893001	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	365.329624	335.669	196.637905	366.572132	532.290	397.880414	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	365.607411	338.792	196.915693	366.740626	535.440	398.048908	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	366.913178	353.738	198.221460	367.548923	550.483	398.857205	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	368.513672	371.535	199.821954	368.575324	568.329	399.883605	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	368.927822	375.873	200.236103	368.846686	572.666	0.154968	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	370.234634	388.685	201.542916	369.716032	585.441	1.024314	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	372.089974	404.993	203.398256	370.978812	601.598	2.287094	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	373.974515	419.766	205.282797	372.288825	616.099	3.597106	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	374.058088	420.385	205.366370	372.347464	616.703	3.655746	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	376.105136	434.902	207.413418	373.796969	630.778	5.105251	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	378.151175	448.983	209.459457	375.271384	644.268	6.579665	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	379.326251	457.310	210.634533	376.130893	652.187	7.439175	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	380.119234	463.170	211.427516	376.716868	657.741	8.025150	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	381.971368	477.755	213.279650	378.105453	671.521	9.413735	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	383.712395	492.720	215.020677	379.437592	685.607	10.745874	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	385.349641	508.032	216.657922	380.715562	699.981	12.023843	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	386.890132	523.660	218.198414	381.941630	714.626	13.249912	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	388.340548	539.576	219.648830	383.118040	729.525	14.426322	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	389.707182	555.757	221.015464	384.246993	744.663	15.555275	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	390.551262	566.378	221.859543	384.954598	754.598	16.262880	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	390.805373	569.673	222.113654	385.169194	757.681	16.477475	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	390.996425	572.176	222.304707	385.330980	760.022	16.639262	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188
Distancia: 196.794 Azimut: 168.691718
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 6.320 Dis= 27.213

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	392.223655	588.754	223.531937	386.379107	775.522	17.687389	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	393.397428	605.452	224.705710	387.396038	791.125	18.704320	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	394.521708	622.259	225.829989	388.383393	806.824	19.691675	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	395.600112	639.167	226.908394	389.342701	822.613	20.650983	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	396.635947	656.166	227.944229	390.275399	838.486	21.583680	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	397.632235	673.249	228.940517	391.182841	854.437	22.491123	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	398.066547	680.928	229.374829	391.581581	861.608	22.889863	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	398.587866	690.432	229.896148	392.063432	870.490	23.371714	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	399.486865	707.826	230.795147	392.904481	886.777	24.212763	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	0.330202	725.429	231.638484	393.705724	903.303	25.014006	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	0.690785	733.378	231.999067	394.052127	910.779	25.360409	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	1.123683	743.213	232.431965	394.470637	920.037	25.778918	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	1.882139	761.093	233.190421	395.209782	936.883	26.518064	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	2.609360	779.055	233.917642	395.925562	953.825	27.233843	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	3.307331	797.093	234.615613	396.619077	970.858	27.927359	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	3.977881	815.201	235.286163	397.291371	987.976	28.599652	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	4.622702	833.375	235.930983	397.943428	1005.175	29.251709	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	5.243355	851.611	236.551637	398.576181	1022.452	29.884463	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	5.841287	869.904	237.149569	399.190513	1039.801	30.498795	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	6.274781	883.633	237.583063	399.638793	1052.833	30.947074	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	170.807683	223.712	198.651581	171.490201	452.982	399.334099	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	176.031195	215.008	203.875093	174.031327	444.098	1.875226	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	181.340784	205.396	209.184682	176.495527	433.564	4.339425	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	186.758683	194.927	214.602581	178.863303	421.454	6.707202	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	192.313845	183.659	220.157744	181.111859	407.853	8.955757	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	198.044857	171.655	225.888755	183.214097	392.863	11.057996	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	204.004424	158.990	231.848322	185.137351	376.603	12.981249	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	210.266505	145.746	238.110403	186.841744	359.212	14.685642	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	214.845383	136.267	242.689281	187.870553	346.561	15.714451	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	216.939984	132.029	244.783883	188.279138	340.854	16.123037	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	224.345018	118.293	252.188917	189.473010	321.850	17.316908	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	231.611589	107.605	259.455487	190.416545	305.779	18.260444	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	233.189406	105.680	261.033305	190.607839	302.639	18.451737	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	244.115331	95.510	271.959230	191.869983	283.501	19.713881	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	257.153058	88.747	284.996957	193.314203	264.490	21.158102	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	266.090105	86.625	293.934004	194.325211	252.704	22.169110	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	271.622850	86.197	299.466748	194.980912	245.636	22.824810	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	286.185289	88.190	314.029188	196.913878	226.965	24.757777	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	299.484521	94.365	327.328419	199.157917	208.493	27.001815	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	310.799282	103.908	338.643180	201.772810	190.243	29.616708	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	320.080561	115.926	347.924460	204.841453	172.246	32.685352	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	326.372814	127.081	354.216712	207.773068	157.733	35.616966	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	327.628421	129.671	355.472319	208.481477	154.555	36.325376	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	333.813182	144.609	361.657081	212.872902	137.261	40.716801	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	338.946803	160.396	366.790701	218.305595	120.541	46.149494	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	343.273564	176.799	371.117463	225.213146	104.680	53.057044	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	346.978239	193.653	374.822138	234.221984	90.142	62.065883	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	350.198658	210.844	378.042557	246.141824	77.684	73.985722	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	353.037656	228.288	380.881555	261.670583	68.458	89.514482	10.828

CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	355.572506	245.922	383.416404	280.481474	63.885	108.325372	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	357.861871	263.702	385.705770	300.297513	64.957	128.141412	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	359.950808	281.592	387.794706	318.044390	71.421	145.888289	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	361.874331	299.564	389.718230	332.187301	82.009	160.031199	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	363.659974	317.595	391.503872	342.925156	95.352	170.769054	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	365.329624	335.669	393.173522	351.066138	110.452	178.910036	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	365.607411	338.792	393.451309	352.266743	113.185	180.110642	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	366.913178	353.738	394.757076	357.395101	126.633	185.239000	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	368.513672	371.535	396.357570	362.677046	143.217	190.520944	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	368.927822	375.873	396.771720	363.900532	147.332	191.744430	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	370.234634	388.685	398.078532	367.474417	159.645	195.318315	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	372.089974	404.993	399.933873	372.003675	175.698	199.847574	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	373.974515	419.766	1.818413	376.161342	190.677	204.005240	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	374.058088	420.385	1.901987	376.337803	191.315	204.181701	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	376.105136	434.902	3.949035	380.489936	206.538	208.333834	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	378.151175	448.983	5.995073	384.350734	221.755	212.194632	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	379.326251	457.310	7.170150	386.446010	230.911	214.289909	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	380.119234	463.170	7.963132	387.809258	237.396	215.653157	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	381.971368	477.755	9.815266	390.838206	253.636	218.682104	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	383.712395	492.720	11.556294	393.497424	270.380	221.341322	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	385.349641	508.032	13.193539	395.842937	287.540	223.686836	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	386.890132	523.660	14.734031	397.921795	305.047	225.765694	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	388.340548	539.576	16.184446	399.773262	322.843	227.617161	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	389.707182	555.757	17.551081	1.430039	340.884	229.273937	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	390.551262	566.378	18.395160	2.413215	352.693	230.257113	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	390.805373	569.673	18.649271	2.703502	356.352	230.547401	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	390.996425	572.176	18.840324	2.920238	359.130	230.764136	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188
Distancia: 229.295 Azimut: 372.156102
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	392.223655	588.754	20.067554	4.283586	377.510	232.127484	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	393.397428	605.452	21.241327	5.543729	395.988	233.387628	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	394.521708	622.259	22.365606	6.714027	414.549	234.557925	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	395.600112	639.167	23.444011	7.805699	433.182	235.649598	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	396.635947	656.166	24.479846	8.828224	451.877	236.672122	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	397.632235	673.249	25.476134	9.789654	470.626	237.633552	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	398.066547	680.928	25.910445	10.202474	479.041	238.046372	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	398.587866	690.432	26.431764	10.690892	489.436	238.534790	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	399.486865	707.826	27.330763	11.510080	508.378	239.353979	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	0.330202	725.429	28.174100	12.251877	527.446	240.095775	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	0.690785	733.378	28.534684	12.561100	536.024	240.404999	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	1.123683	743.213	28.967581	12.927527	546.617	240.771425	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	1.882139	761.093	29.726037	13.560458	565.838	241.404357	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	2.609360	779.055	30.453259	14.156996	585.097	242.000895	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	3.307331	797.093	31.151229	14.720557	604.392	242.564455	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	3.977881	815.201	31.821780	15.254148	623.719	243.098046	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	4.622702	833.375	32.466600	15.760429	643.074	243.604327	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	5.243355	851.611	33.087253	16.241758	662.456	244.085656	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	5.841287	869.904	33.685185	16.700233	681.861	244.544132	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	6.274781	883.633	34.118679	17.029581	696.401	244.873479	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597
Distancia: 229.295 Azimut: 172.156102
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	171.490201	452.982	399.334099	170.807683	223.712	198.651581	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	174.031327	444.098	1.875226	176.031195	215.008	203.875093	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	176.495527	433.564	4.339425	181.340784	205.396	209.184682	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	178.863303	421.454	6.707202	186.758683	194.927	214.602581	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	181.111859	407.853	8.955757	192.313845	183.659	220.157744	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	183.214097	392.863	11.057996	198.044857	171.655	225.888755	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	185.137351	376.603	12.981249	204.004424	158.990	231.848322	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	186.841744	359.212	14.685642	210.266505	145.746	238.110403	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	187.870553	346.561	15.714451	214.845383	136.267	242.689281	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	188.279138	340.854	16.123037	216.939984	132.029	244.783883	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	189.473010	321.850	17.316908	224.345018	118.293	252.188917	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	190.416545	305.779	18.260444	231.611589	107.605	259.455487	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	190.607839	302.639	18.451737	233.189406	105.680	261.033305	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	191.869983	283.501	19.713881	244.115331	95.510	271.959230	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	193.314203	264.490	21.158102	257.153058	88.747	284.996957	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	194.325211	252.704	22.169110	266.090105	86.625	293.934004	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	194.980912	245.636	22.824810	271.622850	86.197	299.466748	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	196.913878	226.965	24.757777	286.185289	88.190	314.029188	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	199.157917	208.493	27.001815	299.484521	94.365	327.328419	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	201.772810	190.243	29.616708	310.799282	103.908	338.643180	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	204.841453	172.246	32.685352	320.080561	115.926	347.924460	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	207.773068	157.733	35.616966	326.372814	127.081	354.216712	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	208.481477	154.555	36.325376	327.628421	129.671	355.472319	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	212.872902	137.261	40.716801	333.813182	144.609	361.657081	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	218.305595	120.541	46.149494	338.946803	160.396	366.790701	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	225.213146	104.680	53.057044	343.273564	176.799	371.117463	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	234.221984	90.142	62.065883	346.978239	193.653	374.822138	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	246.141824	77.684	73.985722	350.198658	210.844	378.042557	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597
Distancia: 229.295 Azimut: 172.156102
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	261.670583	68.458	89.514482	353.037656	228.288	380.881555	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	280.481474	63.885	108.325372	355.572506	245.922	383.416404	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	300.297513	64.957	128.141412	357.861871	263.702	385.705770	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	318.044390	71.421	145.888289	359.950808	281.592	387.794706	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	332.187301	82.009	160.031199	361.874331	299.564	389.718230	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	342.925156	95.352	170.769054	363.659974	317.595	391.503872	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	351.066138	110.452	178.910036	365.329624	335.669	393.173522	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	352.266743	113.185	180.110642	365.607411	338.792	393.451309	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	357.395101	126.633	185.239000	366.913178	353.738	394.757076	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	362.677046	143.217	190.520944	368.513672	371.535	396.357570	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	363.900532	147.332	191.744430	368.927822	375.873	396.771720	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	367.474417	159.645	195.318315	370.234634	388.685	398.078532	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	372.003675	175.698	199.847574	372.089974	404.993	399.933873	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	376.161342	190.677	204.005240	373.974515	419.766	1.818413	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	376.337803	191.315	204.181701	374.058088	420.385	1.901987	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	380.489936	206.538	208.333834	376.105136	434.902	3.949035	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	384.350734	221.755	212.194632	378.151175	448.983	5.995073	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	386.446010	230.911	214.289909	379.326251	457.310	7.170150	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	387.809258	237.396	215.653157	380.119234	463.170	7.963132	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	390.838206	253.636	218.682104	381.971368	477.755	9.815266	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	393.497424	270.380	221.341322	383.712395	492.720	11.556294	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	395.842937	287.540	223.686836	385.349641	508.032	13.193539	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	397.921795	305.047	225.765694	386.890132	523.660	14.734031	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	399.773262	322.843	227.617161	388.340548	539.576	16.184446	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	1.430039	340.884	229.273937	389.707182	555.757	17.551081	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	2.413215	352.693	230.257113	390.551262	566.378	18.395160	11.213

CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	2.703502	356.352	230.547401	390.805373	569.673	18.649271	11.217		
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	2.920238	359.130	230.764136	390.996425	572.176	18.840324	11.218		

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597
Distancia: 195.516 Azimut: 172.156102
BO : BR509 X: 420849.267 Y: 4576615.315 Z: 8.609 PK: 261.187 Dis= 86.188

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	4.283586	377.510	232.127484	392.223655	588.754	20.067554	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	5.543729	395.988	233.387628	393.397428	605.452	21.241327	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	6.714027	414.549	234.557925	394.521708	622.259	22.365606	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	7.805699	433.182	235.649598	395.600112	639.167	23.444011	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	8.828224	451.877	236.672122	396.635947	656.166	24.479846	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	9.789654	470.626	237.633552	397.632235	673.249	25.476134	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	10.202474	479.041	238.046372	398.066547	680.928	25.910445	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	10.690892	489.436	238.534790	398.587866	690.432	26.431764	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	11.510080	508.378	239.353979	399.486865	707.826	27.330763	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	12.251877	527.446	240.095775	0.330202	725.429	28.174100	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	12.561100	536.024	240.404999	0.690785	733.378	28.534684	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	12.927527	546.617	240.771425	1.123683	743.213	28.967581	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	13.560458	565.838	241.404357	1.882139	761.093	29.726037	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	14.156996	585.097	242.000895	2.609360	779.055	30.453259	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	14.720557	604.392	242.564455	3.307331	797.093	31.151229	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	15.254148	623.719	243.098046	3.977881	815.201	31.821780	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	15.760429	643.074	243.604327	4.622702	833.375	32.466600	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	16.241758	662.456	244.085656	5.243355	851.611	33.087253	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	16.700233	681.861	244.544132	5.841287	869.904	33.685185	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	17.029581	696.401	244.873479	6.274781	883.633	34.118679	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	171.490201	452.982	188.826866	174.853989	646.397	392.190654	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	174.031327	444.098	191.367992	176.667760	638.367	394.004425	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	176.495527	433.564	193.832192	178.411678	628.448	395.748344	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	178.863303	421.454	196.199968	180.067344	616.732	397.404009	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	181.111859	407.853	198.448524	181.614588	603.329	398.951254	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	183.214097	392.863	200.550762	183.031081	588.374	0.367747	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	185.137351	376.603	202.474016	184.291924	572.022	1.628590	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	186.841744	359.212	204.178409	185.369249	554.455	2.705915	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	187.870553	346.561	205.207218	185.992789	541.659	3.329454	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	188.279138	340.854	205.615804	186.232541	535.887	3.569206	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	189.473010	321.850	206.809675	186.900332	516.670	4.236997	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	190.416545	305.779	207.753211	187.393625	500.411	4.730290	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	190.607839	302.639	207.944504	187.490838	497.231	4.827503	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	191.869983	283.501	209.206648	188.113615	477.808	5.450280	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	193.314203	264.490	210.650869	188.789098	458.434	6.125764	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	194.325211	252.704	211.661877	189.240294	446.372	6.576959	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	194.980912	245.636	212.317577	189.523997	439.116	6.860662	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	196.913878	226.965	214.250543	190.321218	419.852	7.657883	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	199.157917	208.493	216.494582	191.177029	400.627	8.513694	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	201.772810	190.243	219.109475	192.086468	381.423	9.423133	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	204.841453	172.246	222.178118	193.043592	362.220	10.380257	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	207.773068	157.733	225.109733	193.857887	346.481	11.194552	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	208.481477	154.555	225.818143	194.041197	342.998	11.377862	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	212.872902	137.261	230.209567	195.074776	323.744	12.411441	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	218.305595	120.541	235.642261	196.149648	304.460	13.486313	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	225.213146	104.680	242.549811	197.274264	285.149	14.610930	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	234.221984	90.142	251.558649	198.459539	265.818	15.796204	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	246.141824	77.684	263.478489	199.719815	246.471	17.056480	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	261.670583	68.458	279.007249	201.074318	227.115	18.410983	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	280.481474	63.885	297.818139	202.549409	207.759	19.886074	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	300.297513	64.957	317.634179	204.182206	188.414	21.518871	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	318.044390	71.421	335.381056	206.026633	169.094	23.363298	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	332.187301	82.009	349.523966	208.163998	149.822	25.500663	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	342.925156	95.352	360.261821	210.722556	130.629	28.059222	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	351.066138	110.452	368.402803	213.916130	111.568	31.252796	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	352.266743	113.185	369.603408	214.555713	108.297	31.892378	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	357.395101	126.633	374.731767	218.078169	92.706	35.414834	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	362.677046	143.217	380.013711	223.459897	73.976	40.796562	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	363.900532	147.332	381.237197	225.021435	69.324	42.358100	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	367.474417	159.645	384.811082	230.492555	55.273	47.829220	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	372.003675	175.698	389.340341	241.262447	36.791	58.599112	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	376.161342	190.677	393.498007	264.107965	20.297	81.444630	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	376.337803	191.315	393.674468	265.811223	19.663	83.147888	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	380.489936	206.538	397.826601	346.119796	12.983	163.456461	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	384.350734	221.755	1.687399	396.731571	26.813	214.068237	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	386.446010	230.911	3.782676	6.442421	37.578	223.779086	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	387.809258	237.396	5.145923	10.441932	45.355	227.778597	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	390.838206	253.636	8.174871	16.107532	64.765	233.444198	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	393.497424	270.380	10.834089	19.147424	84.451	236.484089	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	395.842937	287.540	13.179602	21.035392	104.256	238.372057	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	397.921795	305.047	15.258460	22.319814	124.124	239.656479	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	399.773262	322.843	17.109928	23.249524	144.029	240.586189	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	1.430039	340.884	18.766704	23.953355	163.956	241.290020	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	2.413215	352.693	19.749880	24.324912	176.885	241.661577	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	2.703502	356.352	20.040167	24.429182	180.874	241.765847	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	2.920238	359.130	20.256903	24.506427	183.899	241.843092	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597
Distancia: 195.516 Azimut: 382.663335
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	4.283586	377.510	21.620251	24.987064	203.846	242.323729	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	5.543729	395.988	22.880394	25.427417	223.791	242.764082	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	6.714027	414.549	24.050692	25.837378	243.734	243.174044	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	7.805699	433.182	25.142364	26.223847	263.675	243.560512	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	8.828224	451.877	26.164889	26.591780	283.612	243.928445	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	9.789654	470.626	27.126319	26.944833	303.546	244.281498	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	10.202474	479.041	27.539139	27.098951	312.476	244.435616	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	10.690892	489.436	28.027557	27.276199	323.479	244.612864	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	11.510080	508.378	28.846745	27.545444	343.430	244.882109	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	12.251877	527.446	29.588542	27.757143	363.395	245.093808	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	12.561100	536.024	29.897766	27.835744	372.342	245.172409	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	12.927527	546.617	30.264192	27.925563	383.371	245.262228	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	13.560458	565.838	30.897123	28.081862	403.347	245.418527	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	14.156996	585.097	31.493662	28.230920	423.324	245.567585	11.364

CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	14.720557	604.392	32.057222	28.373716	443.300	245.710382		11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	15.254148	623.719	32.590813	28.511061	463.276	245.847726		10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	15.760429	643.074	33.097094	28.643629	483.252	245.980294		10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	16.241758	662.456	33.578423	28.771991	503.227	246.108656		10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	16.700233	681.861	34.036899	28.896627	523.202	246.233293		10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	17.029581	696.401	34.366246	28.987730	538.153	246.324395		10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	174.853989	646.397	392.190654	171.490201	452.982	188.826866	9.855

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	174.853989	646.397	392.190654	171.490201	452.982	188.826866	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	176.667760	638.367	394.004425	174.031327	444.098	191.367992	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	178.411678	628.448	395.748344	176.495527	433.564	193.832192	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	180.067344	616.732	397.404009	178.863303	421.454	196.199968	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	181.614588	603.329	398.951254	181.111859	407.853	198.448524	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	183.031081	588.374	0.367747	183.214097	392.863	200.550762	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	184.291924	572.022	1.628590	185.137351	376.603	202.474016	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	185.369249	554.455	2.705915	186.841744	359.212	204.178409	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	185.992789	541.659	3.329454	187.870553	346.561	205.207218	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	186.232541	535.887	3.569206	188.279138	340.854	205.615804	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	186.900332	516.670	4.236997	189.473010	321.850	206.809675	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	187.393625	500.411	4.730290	190.416545	305.779	207.753211	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	187.490838	497.231	4.827503	190.607839	302.639	207.944504	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	188.113615	477.808	5.450280	191.869983	283.501	209.206648	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	188.789098	458.434	6.125764	193.314203	264.490	210.650869	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	189.240294	446.372	6.576959	194.325211	252.704	211.661877	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	189.523997	439.116	6.860662	194.980912	245.636	212.317577	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	190.321218	419.852	7.657883	196.913878	226.965	214.250543	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	191.177029	400.627	8.513694	199.157917	208.493	216.494582	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	192.086468	381.423	9.423133	201.772810	190.243	219.109475	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	193.043592	362.220	10.380257	204.841453	172.246	222.178118	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	193.857887	346.481	11.194552	207.773068	157.733	225.109733	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	194.041197	342.998	11.377862	208.481477	154.555	225.818143	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	195.074776	323.744	12.411441	212.872902	137.261	230.209567	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	196.149648	304.460	13.486313	218.305595	120.541	235.642261	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	197.274264	285.149	14.610930	225.213146	104.680	242.549811	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	198.459539	265.818	15.796204	234.221984	90.142	251.558649	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	199.719815	246.471	17.056480	246.141824	77.684	263.478489	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	201.074318	227.115	18.410983	261.670583	68.458	279.007249	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	202.549409	207.759	19.886074	280.481474	63.885	297.818139	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	204.182206	188.414	21.518871	300.297513	64.957	317.634179	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	206.026633	169.094	23.363298	318.044390	71.421	335.381056	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	208.163998	149.822	25.500663	332.187301	82.009	349.523966	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	210.722556	130.629	28.059222	342.925156	95.352	360.261821	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	213.916130	111.568	31.252796	351.066138	110.452	368.402803	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	214.555713	108.297	31.892378	352.266743	113.185	369.603408	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	218.078169	92.706	35.414834	357.395101	126.633	374.731767	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	223.459897	73.976	40.796562	362.677046	143.217	380.013711	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	225.021435	69.324	42.358100	363.900532	147.332	381.237197	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	230.492555	55.273	47.829220	367.474417	159.645	384.811082	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	241.262447	36.791	58.599112	372.003675	175.698	389.340341	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	264.107965	20.297	81.444630	376.161342	190.677	393.498007	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	265.811223	19.663	83.147888	376.337803	191.315	393.674468	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	346.119796	12.983	163.456461	380.489936	206.538	397.826601	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	396.731571	26.813	214.068237	384.350734	221.755	1.687399	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	6.442421	37.578	223.779086	386.446010	230.911	3.782676	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	10.441932	45.355	227.778597	387.809258	237.396	5.145923	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	16.107532	64.765	233.444198	390.838206	253.636	8.174871	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	19.147424	84.451	236.484089	393.497424	270.380	10.834089	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	21.035392	104.256	238.372057	395.842937	287.540	13.179602	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	22.319814	124.124	239.656479	397.921795	305.047	15.258460	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	23.249524	144.029	240.586189	399.773262	322.843	17.109928	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	23.953355	163.956	241.290020	1.430039	340.884	18.766704	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	24.324912	176.885	241.661577	2.413215	352.693	19.749880	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	24.429182	180.874	241.765847	2.703502	356.352	20.040167	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	24.506427	183.899	241.843092	2.920238	359.130	20.256903	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 195.516 Azimut: 182.663335
BO : BR508 X: 420752.147 Y: 4576823.026 Z: 9.407 PK: 506.282 Dis= 63.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	24.987064	203.846	242.323729	4.283586	377.510	21.620251	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	25.427417	223.791	242.764082	5.543729	395.988	22.880394	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	25.837378	243.734	243.174044	6.714027	414.549	24.050692	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	26.223847	263.675	243.560512	7.805699	433.182	25.142364	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	26.591780	283.612	243.928445	8.828224	451.877	26.164889	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	26.944833	303.546	244.281498	9.789654	470.626	27.126319	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	27.098951	312.476	244.435616	10.202474	479.041	27.539139	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	27.276199	323.479	244.612864	10.690892	489.436	28.027557	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	27.545444	343.430	244.882109	11.510080	508.378	28.846745	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	27.757143	363.395	245.093808	12.251877	527.446	29.588542	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	27.835744	372.342	245.172409	12.561100	536.024	29.897766	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	27.925563	383.371	245.262228	12.927527	546.617	30.264192	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	28.081862	403.347	245.418527	13.560458	565.838	30.897123	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	28.230920	423.324	245.567585	14.156996	585.097	31.493662	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	28.373716	443.300	245.710382	14.720557	604.392	32.057222	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	28.511061	463.276	245.847726	15.254148	623.719	32.590813	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	28.643629	483.252	245.980294	15.760429	643.074	33.097094	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	28.771991	503.227	246.108656	16.241758	662.456	33.578423	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	28.896627	523.202	246.233293	16.700233	681.861	34.036899	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	28.987730	538.153	246.324395	17.029581	696.401	34.366246	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	174.853989	646.397	220.623083	171.116799	784.893	16.885893	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	176.667760	638.367	222.436854	172.566795	775.752	18.335888	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	178.411678	628.448	224.180772	173.942543	764.689	19.711637	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	180.067344	616.732	225.836438	175.226475	751.822	20.995568	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	181.614588	603.329	227.383682	176.399795	737.292	22.168888	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	183.031081	588.374	228.800175	177.442316	721.267	23.211410	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	184.291924	572.022	230.061018	178.332345	703.942	24.101439	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	185.369249	554.455	231.138343	179.046654	685.539	24.815748	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	185.992789	541.659	231.761883	179.426174	672.266	25.195268	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	186.232541	535.887	232.001635	179.561154	666.315	25.330248	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	186.900332	516.670	232.669426	179.893607	646.617	25.662701	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	187.393625	500.411	233.162719	180.102414	630.018	25.871508	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	187.490838	497.231	233.259932	180.142115	626.772	25.911209	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	188.113615	477.808	233.882708	180.394199	606.922	26.163293	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	188.789098	458.434	234.558192	180.663326	587.082	26.432420	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	189.240294	446.372	235.009387	180.840680	574.707	26.609774	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	189.523997	439.116	235.293090	180.951190	567.253	26.720283	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	190.321218	419.852	236.090311	181.255795	547.431	27.024889	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	191.177029	400.627	236.946123	181.569211	527.607	27.338304	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	192.086468	381.423	237.855562	181.881835	507.769	27.650929	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	193.043592	362.220	238.812686	182.182492	487.908	27.951586	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	193.857887	346.481	239.626980	182.410685	471.621	28.179778	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	194.041197	342.998	239.810291	182.458085	468.016	28.227178	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	195.074776	323.744	240.843870	182.696416	448.090	28.465510	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	196.149648	304.460	241.918742	182.891057	428.135	28.660150	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	197.274264	285.149	243.043358	183.035535	408.158	28.804629	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	198.459539	265.818	244.228633	183.122052	388.166	28.891146	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	199.719815	246.471	245.488909	183.141130	368.167	28.910224	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	201.074318	227.115	246.843412	183.081138	348.170	28.850231	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	202.549409	207.759	248.318502	182.927662	328.187	28.696755	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	204.182206	188.414	249.951300	182.662637	308.231	28.431730	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	206.026633	169.094	251.795727	182.263142	288.319	28.032235	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	208.163998	149.822	253.933092	181.699707	268.472	27.468801	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	210.722556	130.629	256.491650	180.933886	248.715	26.702980	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	213.916130	111.568	259.685224	179.914717	229.084	25.683810	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	214.555713	108.297	260.324807	179.708470	225.712	25.477563	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	218.078169	92.706	263.847262	178.551288	209.644	24.320382	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	223.459897	73.976	269.228990	176.557547	190.654	22.326641	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	225.021435	69.324	270.790529	175.914240	186.060	21.683334	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	230.492555	55.273	276.261648	173.503753	172.657	19.272846	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	241.262447	36.791	287.031541	169.037626	156.321	14.806720	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	264.107965	20.297	309.877058	163.191143	142.946	8.960237	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	265.811223	19.663	311.580316	162.901394	142.431	8.670488	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	346.119796	12.983	391.888890	155.027721	131.802	0.796815	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	396.731571	26.813	42.500665	145.732651	124.722	391.501745	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	6.442421	37.578	52.211515	139.787859	122.166	385.556953	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	10.441932	45.355	56.211025	135.535247	121.057	381.304340	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	16.107532	64.765	61.876626	124.990572	120.668	370.759666	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	19.147424	84.451	64.916518	114.661218	123.558	360.430312	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	21.035392	104.256	66.804486	105.042588	129.508	350.811681	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	22.319814	124.124	68.088908	96.444894	138.124	342.213988	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	23.249524	144.029	69.018617	88.974648	148.943	334.743742	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	23.953355	163.956	69.722449	82.590563	161.524	328.359657	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	24.324912	176.885	70.094006	78.977643	170.440	324.746737	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	24.429182	180.874	70.198276	77.939623	173.294	323.708717	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	24.506427	183.899	70.275521	77.176083	175.491	322.945177	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299
Distancia: 144.669 Azimut: 354.230906
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	24.987064	203.846	70.756157	72.617452	190.609	318.386546	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	25.427417	223.791	71.196511	68.785680	206.651	314.554774	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	25.837378	243.734	71.606472	65.554635	223.417	311.323729	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	26.223847	263.675	71.992940	62.817744	240.755	308.586838	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	26.591780	283.612	72.360874	60.487584	258.548	306.256678	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	26.944833	303.546	72.713927	58.493433	276.709	304.262526	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	27.098951	312.476	72.868045	57.693428	284.946	303.462522	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	27.276199	323.479	73.045292	56.768614	295.149	302.537708	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	27.545444	343.430	73.314537	55.223368	313.735	300.992462	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	27.757143	363.395	73.526237	53.822878	332.431	299.591971	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	27.835744	372.342	73.604838	53.236415	340.835	299.005509	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	27.925563	383.371	73.694657	52.550151	351.228	298.319244	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	28.081862	403.347	73.850956	51.411860	370.161	297.180954	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	28.230920	423.324	74.000014	50.392443	389.215	296.161537	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	28.373716	443.300	74.142810	49.475871	408.373	295.244964	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	28.511061	463.276	74.280154	48.648776	427.622	294.417870	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	28.643629	483.252	74.412723	47.899941	446.950	293.669035	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	28.771991	503.227	74.541085	47.219899	466.346	292.988992	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	28.896627	523.202	74.665721	46.600611	485.803	292.369704	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	28.987730	538.153	74.756824	46.172675	500.402	291.941768	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	171.116799	784.893	16.885893	174.853989	646.397	220.623083	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	172.566795	775.752	18.335888	176.667760	638.367	222.436854	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	173.942543	764.689	19.711637	178.411678	628.448	224.180772	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	175.226475	751.822	20.995568	180.067344	616.732	225.836438	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	176.399795	737.292	22.168888	181.614588	603.329	227.383682	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	177.442316	721.267	23.211410	183.031081	588.374	228.800175	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	178.332345	703.942	24.101439	184.291924	572.022	230.061018	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	179.046654	685.539	24.815748	185.369249	554.455	231.138343	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	179.426174	672.266	25.195268	185.992789	541.659	231.761883	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	179.561154	666.315	25.330248	186.232541	535.887	232.001635	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	179.893607	646.617	25.662701	186.900332	516.670	232.669426	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	180.102414	630.018	25.871508	187.393625	500.411	233.162719	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	180.142115	626.772	25.911209	187.490838	497.231	233.259932	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	180.394199	606.922	26.163293	188.113615	477.808	233.882708	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	180.663326	587.082	26.432420	188.789098	458.434	234.558192	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	180.840680	574.707	26.609774	189.240294	446.372	235.009387	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	180.951190	567.253	26.720283	189.523997	439.116	235.293090	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	181.255795	547.431	27.024889	190.321218	419.852	236.090311	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	181.569211	527.607	27.338304	191.177029	400.627	236.946123	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	181.881835	507.769	27.650929	192.086468	381.423	237.855562	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	182.182492	487.908	27.951586	193.043592	362.220	238.812686	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	182.410685	471.621	28.179778	193.857887	346.481	239.626980	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	182.458085	468.016	28.227178	194.041197	342.998	239.810291	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	182.696416	448.090	28.465510	195.074776	323.744	240.843870	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	182.891057	428.135	28.660150	196.149648	304.460	241.918742	11.857

CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	183.035535	408.158	28.804629	197.274264	285.149	243.043358	11.224					
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	183.122052	388.166	28.891146	198.459539	265.818	244.228633	10.856					
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	183.141130	368.167	28.910224	199.719815	246.471	245.488909	10.753					

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	183.081138	348.170	28.850231	201.074318	227.115	246.843412	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	182.927662	328.187	28.696755	202.549409	207.759	248.318502	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	182.662637	308.231	28.431730	204.182206	188.414	249.951300	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	182.263142	288.319	28.032235	206.026633	169.094	251.795727	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	181.699707	268.472	27.468801	208.163998	149.822	253.933092	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	180.933886	248.715	26.702980	210.722556	130.629	256.491650	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	179.914717	229.084	25.683810	213.916130	111.568	259.685224	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	179.708470	225.712	25.477563	214.555713	108.297	260.324807	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	178.551288	209.644	24.320382	218.078169	92.706	263.847262	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	176.557547	190.654	22.326641	223.459897	73.976	269.228990	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	175.914240	186.060	21.683334	225.021435	69.324	270.790529	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	173.503753	172.657	19.272846	230.492555	55.273	276.261648	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	169.037626	156.321	14.806720	241.262447	36.791	287.031541	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	163.191143	142.946	8.960237	264.107965	20.297	309.877058	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	162.901394	142.431	8.670488	265.811223	19.663	311.580316	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	155.027721	131.802	0.796815	346.119796	12.983	391.888890	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	145.732651	124.722	391.501745	396.731571	26.813	42.500665	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	139.787859	122.166	385.556953	6.442421	37.578	52.211515	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	135.535247	121.057	381.304340	10.441932	45.355	56.211025	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	124.990572	120.668	370.759666	16.107532	64.765	61.876626	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	114.661218	123.558	360.430312	19.147424	84.451	64.916518	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	105.042588	129.508	350.811681	21.035392	104.256	66.804486	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	96.444894	138.124	342.213988	22.319814	124.124	68.088908	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	88.974648	148.943	334.743742	23.249524	144.029	69.018617	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	82.590563	161.524	328.359657	23.953355	163.956	69.722449	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	78.977643	170.440	324.746737	24.324912	176.885	70.094006	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	77.939623	173.294	323.708717	24.429182	180.874	70.198276	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	77.176083	175.491	322.945177	24.506427	183.899	70.275521	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 715.750 Dis= 12.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	72.617452	190.609	318.386546	24.987064	203.846	70.756157	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	68.785680	206.651	314.554774	25.427417	223.791	71.196511	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	65.554635	223.417	311.323729	25.837378	243.734	71.606472	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	62.817744	240.755	308.586838	26.223847	263.675	71.992940	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	60.487584	258.548	306.256678	26.591780	283.612	72.360874	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	58.493433	276.709	304.262526	26.944833	303.546	72.713927	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	57.693428	284.946	303.462522	27.098951	312.476	72.868045	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	56.768614	295.149	302.537708	27.276199	323.479	73.045292	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	55.223368	313.735	300.992462	27.545444	343.430	73.314537	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	53.822878	332.431	299.591971	27.757143	363.395	73.526237	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	53.236415	340.835	299.005509	27.835744	372.342	73.604838	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	52.550151	351.228	298.319244	27.925563	383.371	73.694657	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	51.411860	370.161	297.180954	28.081862	403.347	73.850956	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	50.392443	389.215	296.161537	28.230920	423.324	74.000014	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	49.475871	408.373	295.244964	28.373716	443.300	74.142810	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	48.648776	427.622	294.417870	28.511061	463.276	74.280154	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	47.899941	446.950	293.669035	28.643629	483.252	74.412723	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	47.219899	466.346	292.988992	28.771991	503.227	74.541085	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	46.600611	485.803	292.369704	28.896627	523.202	74.665721	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	46.172675	500.402	291.941768	28.987730	538.153	74.756824	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425
Distancia: 461.063 Azimut: 396.017622
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	171.116799	784.893	175.099178	180.292283	1223.823	384.274661	9.855

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425
Distancia: 461.063 Azimut: 396.017622
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	171.116799	784.893	175.099178	180.292283	1223.823	384.274661	9.855

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	180.292283	1223.823	384.274661	171.116799	784.893	175.099178	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	181.276907	1217.261	385.259285	172.566795	775.752	176.549173	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	182.220016	1208.511	386.202394	173.942543	764.689	177.924921	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	183.108883	1197.683	387.091261	175.226475	751.822	179.208853	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	183.930593	1184.917	387.912971	176.399795	737.292	180.382173	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	184.672055	1170.381	388.654433	177.442316	721.267	181.424694	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	185.320056	1154.274	389.302434	178.332345	703.942	182.314723	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	185.861363	1136.823	389.843741	179.046654	685.539	183.029032	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	186.167435	1124.055	390.149813	179.426174	672.266	183.408553	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	186.283226	1118.287	390.265604	179.561154	666.315	183.543532	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	186.598039	1099.059	390.580417	179.893607	646.617	183.875985	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	186.821470	1082.773	390.803848	180.102414	630.018	184.084792	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	186.864556	1079.587	390.846934	180.142115	626.772	184.124493	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	187.133747	1060.105	391.116125	180.394199	606.922	184.376577	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	187.413012	1040.643	391.395390	180.663326	587.082	184.645704	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	187.592632	1028.509	391.575010	180.840680	574.707	184.823058	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	187.702870	1021.201	391.685248	180.951190	567.253	184.933568	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	188.001773	1001.773	391.984152	181.255795	547.431	185.238173	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	188.305089	982.340	392.287467	181.569211	527.607	185.551589	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	188.607588	962.881	392.589966	181.881835	507.769	185.864213	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	188.903593	943.379	392.885971	182.182492	487.908	186.164870	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	189.136842	927.364	393.119220	182.410685	471.621	186.393063	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	189.186922	923.815	393.169300	182.458085	468.016	186.440463	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	189.452409	904.182	393.434787	182.696416	448.090	186.678794	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	189.698246	884.483	393.680624	182.891057	428.135	186.873435	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	189.923022	864.723	393.905400	183.035535	408.158	187.017913	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	190.125195	844.909	394.107573	183.122052	388.166	187.104431	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	190.303072	825.046	394.285451	183.141130	368.167	187.123508	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32

EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	190.454797	805.141	394.437175	183.081138	348.170	187.063516	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	190.578325	785.201	394.560703	182.927662	328.187	186.910040	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	190.671405	765.233	394.653783	182.662637	308.231	186.645015	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	190.731551	745.246	394.713929	182.263142	288.319	186.245520	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	190.756014	725.249	394.738392	181.699707	268.472	185.682086	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	190.741747	705.250	394.724125	180.933886	248.715	184.916265	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	190.685367	685.260	394.667745	179.914717	229.084	183.897095	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	190.671105	681.811	394.653483	179.708470	225.712	183.690848	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	190.575900	665.295	394.558278	178.551288	209.644	182.533666	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	190.350956	645.434	394.333334	176.557547	190.654	180.539925	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	190.266814	640.535	394.249193	175.914240	186.060	179.896619	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	189.926430	625.897	393.908808	173.503753	172.657	177.486131	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	189.262562	606.968	393.244940	169.037626	156.321	173.020004	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	188.389414	589.651	392.371792	163.191143	142.946	167.173521	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	188.346293	588.924	392.328671	162.901394	142.431	166.883772	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	187.183090	571.974	391.165468	155.027721	131.802	159.010099	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	185.830439	555.962	389.812817	145.732651	124.722	149.715030	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	184.970434	546.806	388.952812	139.787859	122.166	143.770237	11.202
RECTA	760.000	29.027215	0.000	420706.965	4577056.083	184.354338	540.520	388.336716	135.535247	121.057	139.5571	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	182.789828	525.404	386.772206	124.990572	120.668	128.972950	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	181.133700	510.624	385.116078	114.661218	123.558	118.643596	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	179.380110	496.210	383.362488	105.042588	129.508	109.024966	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	177.523105	482.195	381.505483	96.444894	138.124	100.427272	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	175.556710	468.614	379.539088	88.974648	148.943	92.957026	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	173.475066	455.507	377.457445	82.590563	161.524	86.572942	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	172.061215	447.282	376.043593	78.977643	170.440	82.960022	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	171.614502	444.791	375.596880	77.939623	173.294	81.922002	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	171.272124	442.920	375.254503	77.176083	175.491	81.158461	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 772.354 Dis=-120.425

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	168.933379	430.987	372.915757	72.617452	190.609	76.599830	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	166.451734	419.802	370.434112	68.785680	206.651	72.768059	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	163.825909	409.428	367.808287	65.554635	223.417	69.537013	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	161.056831	399.927	365.039209	62.817744	240.755	66.800122	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	158.148090	391.366	362.130468	60.487584	258.548	64.469963	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	155.106352	383.805	359.088730	58.493433	276.709	62.475811	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	153.702847	380.759	357.685225	57.693428	284.946	61.675806	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	151.944161	377.261	355.926540	56.768614	295.149	60.750992	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	148.684362	371.556	352.666740	55.223368	313.735	59.205746	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	145.337919	366.697	349.320297	53.822878	332.431	57.805256	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	143.813831	364.805	347.796209	53.236415	340.835	57.218794	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	141.915120	362.751	345.897498	52.550151	351.228	56.532529	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	138.426773	359.903	342.409151	51.411860	370.161	55.394238	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	134.893060	358.201	338.875438	50.392443	389.215	54.374821	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	131.336677	357.662	335.319055	49.475871	408.373	53.458249	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	127.781187	358.289	331.763565	48.648776	427.622	52.631154	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	124.250120	360.078	328.232498	47.899941	446.950	51.882319	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	120.766070	363.011	324.748448	47.219899	466.346	51.202277	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	117.349884	367.061	321.332262	46.600611	485.803	50.582989	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	114.848413	370.802	318.830791	46.172675	500.402	50.155053	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1254.970 Dis=-477.460

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.822799	0.000	420948.293	4576414.713	180.292283	1223.823	159.697166	188.710897	1507.930	368.115781	9.855
CIRC.	20.000	306.339452	0.000	420928.319	4576415.367	181.276907	1217.261	160.681790	189.538330	1503.891	368.943214	9.677
CIRC.	40.000	314.856104	0.000	420908.610	4576418.678	182.220016	1208.511	161.624899	190.341887	1497.519	369.746771	9.662
CIRC.	60.000	323.372757	0.000	420889.519	4576424.589	183.108883	1197.683	162.513766	191.110624	1488.900	370.515508	9.759
CIRC.	80.000	331.889409	0.000	420871.387	4576432.993	183.930593	1184.917	163.335476	191.833585	1478.149	371.238469	9.859
CIRC.	100.000	340.406062	0.000	420854.538	4576443.741	184.672055	1170.381	164.076939	192.499827	1465.414	371.904711	9.959
CIRC.	120.000	348.922714	0.000	420839.273	4576456.640	185.320056	1154.274	164.724939	193.098470	1450.875	372.503353	10.059
CIRC.	140.000	357.439367	0.000	420825.865	4576471.460	185.861363	1136.823	165.266247	193.618778	1434.739	373.023661	10.159
CLOT.	153.882	363.350660	0.000	420817.778	4576482.737	186.167435	1124.055	165.572318	193.928320	1422.726	373.333204	10.228
CLOT.	160.000	365.770012	0.000	420814.548	4576487.932	186.283226	1118.287	165.688110	194.050526	1417.249	373.455409	10.259
CLOT.	180.000	371.082974	0.000	420805.125	4576505.567	186.598039	1099.059	166.002923	194.402612	1398.834	373.807495	10.379
RECTA	196.730	372.473830	0.000	420798.004	4576520.706	186.821470	1082.773	166.226353	194.667913	1383.140	374.072796	10.662
RECTA	200.000	372.473830	0.000	420796.634	4576523.674	186.864556	1079.587	166.269440	194.719436	1380.068	374.124320	10.741
RECTA	220.000	372.473830	0.000	420788.253	4576541.834	187.133747	1060.105	166.538631	195.039657	1361.293	374.444541	11.403
RECTA	240.000	372.473830	0.000	420779.873	4576559.993	187.413012	1040.643	166.817895	195.368826	1342.555	374.773710	12.344
CLOT.	252.480	372.473830	0.000	420774.643	4576571.325	187.592632	1028.509	166.997515	195.578927	1330.880	374.983811	12.968
CLOT.	260.000	372.493078	0.000	420771.493	4576578.153	187.702870	1021.201	167.107753	195.707270	1323.853	375.112154	13.343
CLOT.	280.000	372.731632	0.000	420763.145	4576596.328	188.001773	1001.773	167.406657	196.053782	1305.176	375.458666	14.142
CLOT.	300.000	373.242514	0.000	420754.905	4576614.551	188.305089	982.340	167.709973	196.404915	1286.497	375.809799	14.579
CLOT.	320.000	374.025725	0.000	420746.850	4576632.857	188.607588	962.881	168.012471	196.756861	1267.785	376.161745	14.653
CLOT.	340.000	375.081263	0.000	420739.060	4576651.278	188.903593	943.379	168.308477	197.105572	1249.010	376.510455	14.365
CIRC.	356.378	376.148452	0.000	420732.936	4576666.467	189.136842	927.364	168.541725	197.385700	1233.570	376.790584	13.859
CIRC.	360.000	376.404664	0.000	420731.617	4576669.840	189.186922	923.815	168.591806	197.446722	1230.146	376.851606	13.715
CIRC.	380.000	377.819374	0.000	420724.581	4576688.561	189.452409	904.182	168.857292	197.776821	1211.174	377.181705	12.754
CIRC.	400.000	379.234085	0.000	420717.962	4576707.434	189.698246	884.483	169.103129	198.094879	1192.097	377.499762	11.857
CIRC.	420.000	380.648795	0.000	420711.764	4576726.449	189.923022	864.723	169.327906	198.400239	1172.918	377.805122	11.224
CIRC.	440.000	382.063506	0.000	420705.990	4576745.597	190.125195	844.909	169.530079	198.692199	1153.643	378.097083	10.856
CIRC.	460.000	383.478217	0.000	420700.644	4576764.869	190.303072	825.046	169.707956	198.970008	1134.277	378.374892	10.753

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1254.970 Dis=-477.460

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	480.000	384.892927	0.000	420695.727	4576784.254	190.454797	805.141	169.859680	199.232859	1114.824	378.637743	10.828
CIRC.	500.000	386.307638	0.000	420691.241	4576803.745	190.578325	785.201	169.983208	199.479888	1095.289	378.884771	10.908
CIRC.	520.000	387.722348	0.000	420687.190	4576823.330	190.671405	765.233	170.076288	199.710164	1075.679	379.115048	10.988
CIRC.	540.000	389.137059	0.000	420683.575	4576843.000	190.731551	745.246	170.136435	199.922690	1055.998	379.327573	11.068
CIRC.	560.000	390.551770	0.000	420680.398	4576862.745	190.756014	725.249	170.160898	200.116388	1036.253	379.521272	11.148
CIRC.	580.000	391.966480	0.000	420677.661	4576882.557	190.741747	705.250	170.146631	200.290102	1016.451	379.694985	11.228
CIRC.	600.000	393.381191	0.000	420675.365	4576902.424	190.685367	685.260	170.090250	200.442580	996.597	379.847463	11.308
CLOT.	603.452	393.625370	0.000	420675.013	4576905.858	190.671105	681.811	170.075988	200.466651	993.166	379.871535	11.322
CLOT.	620.000	395.667549	0.000	420673.586	4576922.344	190.575900	665.295	169.980783	200.567571	976.692	379.972455	11.388
CLOT.	640.000	0.462456	0.000	420672.911	4576942.328	190.350956	645.434	169.755839	200.624293	956.715	380.029177	11.468
CIRC.	644.972	2.049843	0.000	420673.008	4576947.299	190.266814	640.535	169.671698	200.621061	951.743	380.025944	11.488
CIRC.	660.000	7.085014	0.000	420674.085	4576962.284	189.926430	625.897	169.331314	200.557809	936.749	379.962693	11.548
CIRC.	680.000	13.786274	0.000	420677.348	4576982.007	189.262562	606.968	168.667445	200.343334	917.004	379.748217	11.618
CLOT.	699.171	20.209767	0.000	420682.404	4577000.491	188.389414	589.651	167.794297	199.992168	898.506	379.397051	11.611
CLOT.	700.000	20.485347	0.000	420682.664	4577001.278	188.346293	588.924	167.751176	199.973689	897.719	379.378572	11.609
CLOT.	720.000	25.807817	0.000	420689.837	4577019.941	187.183090	571.974	166.587973	199.453688	879.088	378.858572	11.506
CLOT.	740.000	28.583807	0.000	420698.183	4577038.114	185.830439	555.962	165.235322	198.825071	861.029	378.229954	11.320
RECTA	751.803	29.027215	0.000	420703.355	4577048.723	184.970434	546.806	164.375317	198.423335	850.535	377.828219	11.202

RECTA	760.000	29.027215	0.000	420706.965	4577056.083	184.354338	540.520	163.759221	198.137163	843.275	377.542046	11.120
RECTA	780.000	29.027215	0.000	420715.771	4577074.040	182.789828	525.404	162.194712	197.417893	825.636	376.822776	10.920
RECTA	800.000	29.027215	0.000	420724.578	4577091.997	181.133700	510.624	160.538583	196.667320	808.107	376.072204	10.760
RECTA	820.000	29.027215	0.000	420733.384	4577109.954	179.380110	496.210	158.784994	195.883578	790.696	375.288462	10.735
RECTA	840.000	29.027215	0.000	420742.191	4577127.910	177.523105	482.195	156.927988	195.064674	773.410	374.469557	10.851
RECTA	860.000	29.027215	0.000	420750.997	4577145.867	175.556710	468.614	154.961593	194.208475	756.257	373.613359	11.051
RECTA	880.000	29.027215	0.000	420759.804	4577163.824	173.475066	455.507	152.879950	193.312708	739.248	372.717592	11.177
CLOT.	892.967	29.027215	0.000	420765.513	4577175.466	172.061215	447.282	151.466099	192.709661	728.301	372.114545	11.213
CIRC.	896.967	29.078145	0.000	420767.275	4577179.057	171.614502	444.791	151.019386	192.519886	724.938	371.924770	11.217
CIRC.	900.000	29.155383	0.000	420768.615	4577181.778	171.272124	442.920	150.677008	192.374551	722.395	371.779434	11.218

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 237 : VS Glorieta C32-B201 - Acceso Pacadar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 1159.246 Dis=-357.661
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 1254.970 Dis=-477.460

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	920.000	29.664679	0.000	420777.529	4577199.682	168.933379	430.987	148.338263	191.383213	705.770	370.788096	11.173
CIRC.	940.000	30.173975	0.000	420786.586	4577217.513	166.451734	419.802	145.856618	190.332267	689.418	369.737151	11.074
CIRC.	960.000	30.683271	0.000	420795.786	4577235.272	163.825909	409.428	143.230792	189.218468	673.358	368.623352	10.974
CIRC.	980.000	31.192566	0.000	420805.127	4577252.956	161.056831	399.927	140.461714	188.038478	657.615	367.443362	10.874
CIRC.	1000.000	31.701862	0.000	420814.610	4577270.565	158.148090	391.366	137.552973	186.788893	642.210	366.193776	10.786
CIRC.	1020.000	32.211158	0.000	420824.233	4577288.098	155.106352	383.805	134.511235	185.466278	627.172	364.871162	10.809
CIRC.	1028.961	32.439355	0.000	420828.590	4577295.929	153.702847	380.759	133.107730	184.849063	620.560	364.253946	10.863
CIRC.	1040.000	32.158257	0.000	420833.953	4577305.577	151.944161	377.261	131.349045	184.070885	612.493	363.475768	10.966
CIRC.	1060.000	31.648961	0.000	420843.562	4577323.118	148.684362	371.556	128.089245	182.617416	598.034	362.022299	11.243
CIRC.	1080.000	31.139665	0.000	420853.030	4577340.735	145.337919	366.697	124.742802	181.104991	583.788	360.509875	11.541
CIRC.	1088.958	30.911548	0.000	420857.225	4577348.650	143.813831	364.805	123.218714	180.407543	577.480	359.812426	11.638
CIRC.	1100.000	30.999416	0.000	420862.385	4577358.412	141.915120	362.751	121.320004	179.527691	569.794	358.932575	11.694
CIRC.	1120.000	31.158571	0.000	420871.765	4577376.075	138.426773	359.903	117.831656	177.869822	556.189	357.274705	11.620
CIRC.	1140.000	31.317726	0.000	420881.190	4577393.716	134.893060	358.201	114.297944	176.126258	543.019	355.531141	11.364
CIRC.	1160.000	31.476881	0.000	420890.658	4577411.332	131.336677	357.662	110.741560	174.293712	530.314	353.698596	11.094
CIRC.	1180.000	31.636036	0.000	420900.171	4577428.925	127.781187	358.289	107.186070	172.369213	518.111	351.774096	10.824
CIRC.	1200.000	31.795191	0.000	420909.728	4577446.494	124.250120	360.078	103.655003	170.350222	506.444	349.755105	10.554
CIRC.	1220.000	31.954346	0.000	420919.328	4577464.039	120.766070	363.011	100.170954	168.234779	495.353	347.639663	10.299
CIRC.	1240.000	32.113501	0.000	420928.973	4577481.560	117.349884	367.061	96.754767	166.021656	484.876	345.426540	10.264
CIRC.	1254.970	32.232629	0.000	420936.220	4577494.659	114.848413	370.802	94.253296	164.300962	477.460	343.705846	10.423

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 17.395 Dis= 161.265
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	204.940091	162.200	327.045924	140.181668	178.134	62.287501	8.130

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 17.395 Dis= 161.265

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	140.181668	178.134	62.287501	204.940091	162.200	327.045924	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	143.609912	160.324	65.715744	212.808877	161.286	334.914710	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	147.878793	143.094	69.984626	220.646529	162.842	342.752361	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	153.283863	126.680	75.389696	228.223930	166.798	350.329762	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	160.229374	111.444	82.335207	235.354851	172.991	357.460684	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	169.225300	97.938	91.331132	241.917244	181.190	364.023077	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	180.777701	86.970	102.883534	247.854637	191.139	369.960469	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	195.032782	79.598	117.138614	253.163601	202.579	375.269433	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	211.201263	76.863	133.307095	257.876223	215.273	379.982056	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	227.443233	79.246	149.549065	262.044071	229.012	384.149904	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	236.497623	83.040	158.603456	264.332581	237.783	386.438414	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	241.870394	86.328	163.976227	265.725556	243.623	387.831389	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	253.540854	97.224	175.646686	268.946539	259.065	391.052372	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	260.399952	107.350	182.505784	271.043135	271.205	393.148968	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	261.246137	108.890	183.351970	271.316570	272.958	393.422402	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	262.380629	111.082	184.486462	271.689219	275.422	393.795052	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	268.824558	127.065	190.930391	273.967050	292.649	396.072882	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	273.515109	144.398	195.620941	275.859142	310.529	397.964974	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	276.984959	162.571	199.090792	277.444738	328.876	399.550571	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	279.616732	181.269	201.722565	278.792509	347.552	0.898342	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	281.676484	200.295	203.782317	279.960668	366.449	2.066501	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	282.820612	213.036	204.926444	280.660917	379.071	2.766750	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	283.348874	219.522	205.454706	280.997854	385.489	3.103686	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	284.749193	238.877	206.855026	281.936064	404.623	4.041897	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	285.939116	258.331	208.044949	282.789380	423.837	4.895213	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	286.962074	277.862	209.067907	283.568557	443.121	5.674390	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	287.850472	297.455	209.956305	284.282648	462.466	6.388481	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	288.628934	317.100	210.734767	284.939323	481.864	7.045156	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 17.395 Dis= 161.265

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	289.316483	336.786	211.422315	285.545114	501.310	7.650947	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	289.771189	351.229	211.877021	285.959852	515.581	8.065685	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	289.928091	356.507	212.033923	286.105659	520.797	8.211491	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	290.481644	376.252	212.587477	286.629936	540.314	8.735768	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	291.002067	396.001	213.107899	287.133089	559.836	9.238921	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	291.510672	415.736	213.616504	287.629023	579.337	9.734856	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	292.024895	435.439	214.130727	288.129816	598.793	10.235649	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	292.338203	447.088	214.444036	288.433185	610.288	10.539018	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	292.558926	455.086	214.664759	288.645845	618.175	10.751677	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	293.118471	474.664	215.224303	289.181694	637.464	11.287526	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	293.700893	494.166	215.806725	289.735883	656.654	11.841715	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	294.303506	513.589	216.409338	290.306761	675.740	12.412594	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	294.924026	532.927	217.029859	290.892869	694.719	12.998701	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	295.560502	552.177	217.666335	291.492910	713.585	13.598743	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	296.211253	571.335	218.317085	292.105730	732.335	14.211563	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	296.874826	590.396	218.980658	292.730297	750.964	14.836130	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	297.549958	609.357	219.655791	293.365687	769.468	15.471519	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	297.851483	617.697	219.957316	293.649499	777.599	15.755332	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	298.235361	628.215	220.341193	294.010923	787.845	16.116756	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	298.926708	646.978	221.032540	294.662632	806.105	16.768465	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	299.617539	665.666	221.723372	295.315689	824.273	17.421522	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	300.302064	684.303	222.407897	295.965395	842.374	18.071227	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	300.975129	702.910	223.080961	296.607473	860.437	18.713305	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	301.632113	721.511	223.737945	297.238007	878.489	19.343839	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	302.268845	740.128	224.374678	297.853382	896.555	19.959214	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	302.881536	758.782	224.987368	298.450243	914.664	20.556076	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	303.105319	765.821	225.211152	298.669571	921.499	20.775403	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	303.466114	777.497	225.571946	299.024969	932.842	21.130802	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 17.395 Dis= 161.265

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	304.010771	796.330	226.116604	299.567585	951.160	21.673418	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	304.240985	804.964	226.346818	299.800161	959.572	21.905993	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	304.499313	815.349	226.605146	300.064331	969.702	22.170164	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	304.806225	828.868	226.912058	300.383421	982.913	22.489253	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	304.926177	834.569	227.032010	300.509929	988.491	22.615761	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	305.295825	853.958	227.401658	300.907352	1007.495	23.013184	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	305.614691	873.484	227.720523	301.261345	1026.679	23.367178	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.888993	893.118	227.994825	301.576624	1046.009	23.682456	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.124533	912.837	228.230366	301.857686	1065.458	23.963519	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	306.326711	932.621	228.432543	302.108804	1085.003	24.214637	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	306.500535	952.455	228.606368	302.334018	1104.624	24.439851	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	306.650650	972.325	228.756483	302.537139	1124.305	24.642972	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	306.781357	992.223	228.887189	302.721753	1144.033	24.827586	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	306.896636	1012.141	229.002469	302.891231	1163.796	24.997064	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	307.000175	1032.072	229.106007	303.048737	1183.584	25.154569	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	307.095388	1052.011	229.201221	303.197239	1203.389	25.303071	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	307.149696	1063.943	229.255529	303.282947	1215.244	25.388779	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	307.185412	1071.954	229.291245	303.339497	1223.204	25.445330	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	307.272053	1091.900	229.377885	303.477137	1243.026	25.582969	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	307.355585	1111.848	229.461417	303.610455	1262.853	25.716287	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	307.436172	1131.797	229.542005	303.739651	1282.686	25.845484	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	307.513968	1151.749	229.619800	303.864912	1302.523	25.970745	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	307.589114	1171.702	229.694946	303.986415	1322.366	26.092247	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	307.661743	1191.656	229.767576	304.104324	1342.213	26.210157	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	307.731980	1211.612	229.837813	304.218797	1362.065	26.324630	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	307.799941	1231.570	229.905773	304.329981	1381.921	26.435814	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	307.865734	1251.528	229.971567	304.438015	1401.781	26.543847	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	307.918434	1267.989	230.024266	304.524830	1418.162	26.630663	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	140.181668	178.134	234.131808	112.558732	891.555	6.508872	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	143.609912	160.324	237.560052	112.576585	871.556	6.526725	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	147.878793	143.094	241.828933	112.595276	851.558	6.545416	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	153.283863	126.680	247.234003	112.614866	831.560	6.565006	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	160.229374	111.444	254.179514	112.635421	811.561	6.585561	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	169.225300	97.938	263.175440	112.657015	791.563	6.607156	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	180.777701	86.970	274.727841	112.679729	771.565	6.629869	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	195.032782	79.598	288.982922	112.703651	751.567	6.653791	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	211.201263	76.863	305.151403	112.728881	731.569	6.679022	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	227.443233	79.246	321.393373	112.755530	711.572	6.705670	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	236.497623	83.040	330.447763	112.772443	699.437	6.722583	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	241.870394	86.328	335.820534	112.784105	691.574	6.734245	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	253.540854	97.224	347.490994	112.831264	671.581	6.781404	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	260.399952	107.350	354.350092	112.902685	656.647	6.852825	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	261.246137	108.890	355.196277	112.916480	654.545	6.866620	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	262.380629	111.082	356.330770	112.937478	651.613	6.887618	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	268.824558	127.065	362.774698	113.132677	631.711	7.082818	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	273.515109	144.398	367.465249	113.414013	611.901	7.364153	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	276.984959	162.571	370.935099	113.773467	592.193	7.723607	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	279.616732	181.269	373.566872	114.202006	572.581	8.152146	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	281.676484	200.295	375.626624	114.689455	553.051	8.639595	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	282.820612	213.036	376.770752	115.039836	540.125	8.989976	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	283.348874	219.522	377.299014	115.224422	533.579	9.174562	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	284.749193	238.877	378.699333	115.800760	514.149	9.750900	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	285.939116	258.331	379.889256	116.422314	494.764	10.372454	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	286.962074	277.862	380.912214	117.094487	475.431	11.044627	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	287.850472	297.455	381.800612	117.823555	456.155	11.773695	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	288.628934	317.100	382.579075	118.616843	436.945	12.566983	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	289.316483	336.786	383.266623	119.482945	417.808	13.433085	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	289.771189	351.229	383.721329	120.169389	403.843	14.119529	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	289.928091	356.507	383.878231	120.431946	398.756	14.382086	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	290.481644	376.252	384.431785	121.470130	379.790	15.420270	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	291.002067	396.001	384.952207	122.594025	360.888	16.544165	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	291.510672	415.736	385.460812	123.798286	342.024	17.748426	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	292.024895	435.439	385.975035	125.076482	323.171	19.026622	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	292.338203	447.088	386.288343	125.865596	311.994	19.815737	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	292.558926	455.086	386.509066	126.420968	304.300	20.371108	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	293.118471	474.664	387.068611	127.831858	285.397	21.781998	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	293.700893	494.166	387.651033	129.322548	266.469	23.272688	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	294.303506	513.589	388.253646	130.911451	247.525	24.861591	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	294.924026	532.927	388.874167	132.623053	228.575	26.573193	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	295.560502	552.177	389.510642	134.490608	209.635	28.440748	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	296.211253	571.335	390.161393	136.560381	190.721	30.510521	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	296.874826	590.396	390.824966	138.898566	171.860	32.848706	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	297.549958	609.357	391.500098	141.603013	153.084	35.553153	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	297.851483	617.697	391.801623	142.950119	144.834	36.900259	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	298.235361	628.215	392.185501	144.824866	134.449	38.775007	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	298.926708	646.978	392.876848	148.824093	116.053	42.774233	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	299.617539	665.666	393.567679	154.055383	98.076	48.005523	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	300.302064	684.303	394.252205	161.320647	80.847	55.270788	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	300.975129	702.910	394.925269	172.067067	65.018	66.017207	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	301.632113	721.511	395.582253	188.696298	51.946	82.646438	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	302.268845	740.128	396.218985	213.354330	44.223	107.304470	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	302.881536	758.782	396.831676	242.202870	44.775	136.153010	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	303.105319	765.821	397.055459	252.075524	47.221	146.025664	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	303.466114	777.497	397.416254	265.823727	53.409	159.773867	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	304.010771	796.330	397.960911	281.265360	67.189	175.215500	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	304.240985	804.964	398.191125	286.180924	74.478	180.131064	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	304.499313	815.349	398.449453	290.808302	83.736	184.758443	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	304.806225	828.868	398.756365	295.297667	96.321	189.247808	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	304.926177	834.569	398.876317	296.801297	101.751	190.751437	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	305.295825	853.958	399.245965	300.702827	120.563	194.652967	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	305.614691	873.484	399.564831	303.330690	139.832	197.280830	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.888993	893.118	399.839133	305.148333	159.372	199.098473	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.124533	912.837	0.074674	306.430501	179.080	200.380641	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	306.326711	932.621	0.276851	307.348110	198.894	201.298250	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	306.500535	952.455	0.450675	308.012205	218.775	201.962345	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	306.650650	972.325	0.600790	308.497710	238.699	202.447850	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	306.781357	992.223	0.731497	308.856853	258.650	202.806993	8.728

CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	306.896636	1012.141	0.846776	309.127077	278.617	203.077217	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	307.000175	1032.072	0.950315	309.335894	298.595	203.286034	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	307.095388	1052.011	1.045528	309.503950	318.578	203.454090	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	307.149696	1063.943	1.099836	309.591709	330.536	203.541849	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	307.185412	1071.954	1.135552	309.646941	338.564	203.597081	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	307.272053	1091.900	1.222193	309.773700	358.552	203.723840	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	307.355585	1111.848	1.305725	309.887073	378.542	203.837213	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	307.436172	1131.797	1.386312	309.989072	398.532	203.939212	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	307.513968	1151.749	1.464108	310.081328	418.523	204.031468	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	307.589114	1171.702	1.539254	310.165171	438.515	204.115312	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	307.661743	1191.656	1.611883	310.241703	458.508	204.191844	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	307.731980	1211.612	1.682120	310.311840	478.501	204.261980	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	307.799941	1231.570	1.750081	310.376350	498.495	204.326491	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	307.865734	1251.528	1.815874	310.435886	518.490	204.386026	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	307.918434	1267.989	1.868574	310.481634	534.979	204.431775	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	112.558732	891.555	6.508872	140.181668	178.134	234.131808	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	112.576585	871.556	6.526725	143.609912	160.324	237.560052	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	112.595276	851.558	6.545416	147.878793	143.094	241.828933	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	112.614866	831.560	6.565006	153.283863	126.680	247.234003	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	112.635421	811.561	6.585561	160.229374	111.444	254.179514	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	112.657015	791.563	6.607156	169.225300	97.938	263.175440	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	112.679729	771.565	6.629869	180.777701	86.970	274.727841	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	112.703651	751.567	6.653791	195.032782	79.598	288.982922	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	112.728881	731.569	6.679022	211.201263	76.863	305.151403	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	112.755530	711.572	6.705670	227.443233	79.246	321.393373	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	112.772443	699.437	6.722583	236.497623	83.040	330.447763	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	112.784105	691.574	6.734245	241.870394	86.328	335.820534	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	112.831264	671.581	6.781404	253.540854	97.224	347.490994	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	112.902685	656.647	6.852825	260.399952	107.350	354.350092	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	112.916480	654.545	6.866620	261.246137	108.890	355.196277	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	112.937478	651.613	6.887618	262.380629	111.082	356.330770	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	113.132677	631.711	7.082818	268.824558	127.065	362.774698	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	113.414013	611.901	7.364153	273.515109	144.398	367.465249	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	113.773467	592.193	7.723607	276.984959	162.571	370.935099	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	114.202006	572.581	8.152146	279.616732	181.269	373.566872	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	114.689455	553.051	8.639595	281.676484	200.295	375.626624	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	115.039836	540.125	8.989976	282.820612	213.036	376.770752	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	115.224422	533.579	9.174562	283.348874	219.522	377.299014	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	115.800760	514.149	9.750900	284.749193	238.877	378.699333	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	116.422314	494.764	10.372454	285.939116	258.331	379.889256	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	117.094487	475.431	11.044627	286.962074	277.862	380.912214	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	117.823555	456.155	11.773695	287.850472	297.455	381.800612	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	118.616843	436.945	12.566983	288.628934	317.100	382.579075	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	119.482945	417.808	13.433085	289.316483	336.786	383.266623	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	120.169389	403.843	14.119529	289.771189	351.229	383.721329	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	120.431946	398.756	14.382086	289.928091	356.507	383.878231	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	121.470130	379.790	15.420270	290.481644	376.252	384.431785	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	122.594025	360.888	16.544165	291.002067	396.001	384.952207	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	123.798286	342.024	17.748426	291.510672	415.736	385.460812	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	125.076482	323.171	19.026622	292.024895	435.439	385.975035	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	125.865596	311.994	19.815737	292.338203	447.088	386.288343	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	126.420968	304.300	20.371108	292.558926	455.086	386.509066	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	127.831858	285.397	21.781998	293.118471	474.664	387.068611	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	129.322548	266.469	23.272688	293.700893	494.166	387.651033	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	130.911451	247.525	24.861591	294.303506	513.589	388.253646	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	132.623053	228.575	26.573193	294.924026	532.927	388.874167	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	134.490608	209.635	28.440748	295.560502	552.177	389.510642	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	136.560381	190.721	30.510521	296.211253	571.335	390.161393	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.898566	171.860	32.848706	296.874826	590.396	390.824966	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	141.603013	153.084	35.553153	297.549958	609.357	391.500098	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	142.950119	144.834	36.900259	297.851483	617.697	391.801623	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	144.824866	134.449	38.775007	298.235361	628.215	392.185501	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	148.824093	116.053	42.774233	298.926708	646.978	392.876848	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	154.055383	98.076	48.005523	299.617539	665.666	393.567679	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	161.320647	80.847	55.270788	300.302064	684.303	394.252205	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	172.067067	65.018	66.017207	300.975129	702.910	394.925269	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	188.696298	51.946	82.646438	301.632113	721.511	395.582253	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	213.354330	44.223	107.304470	302.268845	740.128	396.218985	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	242.202870	44.775	136.153010	302.881536	758.782	396.831676	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	252.075524	47.221	146.025664	303.105319	765.821	397.055459	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	265.823727	53.409	159.773867	303.466114	777.497	397.416254	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 160.700 Dis= 76.859

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	281.265360	67.189	175.215500	304.010771	796.330	397.960911	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	286.180924	74.478	180.131064	304.240985	804.964	398.191125	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	290.808302	83.736	184.758443	304.499313	815.349	398.449453	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	295.297667	96.321	189.247808	304.806225	828.868	398.756365	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	296.801297	101.751	190.751437	304.926177	834.569	398.876317	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	300.702827	120.563	194.652967	305.295825	853.958	399.245965	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	303.330690	139.832	197.280830	305.614691	873.484	399.564831	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.148333	159.372	199.098473	305.888993	893.118	399.839133	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.430501	179.080	200.380641	306.124533	912.837	0.074674	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	307.348110	198.894	201.298250	306.326711	932.621	0.276851	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	308.012205	218.775	201.962345	306.500535	952.455	0.450675	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	308.497710	238.699	202.447850	306.650650	972.325	0.600790	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	308.856853	258.650	202.806993	306.781357	992.223	0.731497	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	309.127077	278.617	203.077217	306.896636	1012.141	0.846776	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	309.335894	298.595	203.286034	307.000175	1032.072	0.950315	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	309.503950	318.578	203.454090	307.095388	1052.011	1.045528	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	309.591709	330.536	203.541849	307.149696	1063.943	1.099836	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	309.646941	338.564	203.597081	307.185412	1071.954	1.135552	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	309.773700	358.552	203.723840	307.272053	1091.900	1.222193	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	309.887073	378.542	203.837213	307.355585	1111.848	1.305725	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	309.989072	398.532	203.939212	307.436172	1131.797	1.386312	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	310.081328	418.523	204.031468	307.513968	1151.749	1.464108	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	310.165171	438.515	204.115312	307.589114	1171.702	1.539254	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	310.241703	458.508	204.191844	307.661743	1191.656	1.611883	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	310.311840	478.501	204.261980	307.731980	1211.612	1.682120	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	310.376350	498.495	204.326491	307.799941	1231.570	1.750081	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	310.435886	518.490	204.386026	307.865734	1251.528	1.815874	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	310.481634	534.979	204.431775	307.918434	1267.989	1.868574	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32

EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	112.558732	891.555	237.759510	105.011845	1090.544	30.212623	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	112.576585	871.556	237.777362	104.885640	1070.659	30.086418	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	112.595276	851.558	237.796053	104.754658	1050.778	29.955436	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	112.614866	831.560	237.815643	104.618625	1030.902	29.819403	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	112.635421	811.561	237.836199	104.477245	1011.031	29.678022	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	112.657015	791.563	237.857793	104.330196	991.165	29.530973	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	112.679729	771.565	237.880507	104.177132	971.305	29.377910	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	112.703651	751.567	237.904429	104.017680	951.450	29.218458	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	112.728881	731.569	237.929659	103.851432	931.602	29.052210	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	112.755530	711.572	237.956307	103.677947	911.760	28.878725	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	112.772443	699.437	237.973220	103.568946	899.724	28.769724	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	112.784105	691.574	237.984882	103.497042	891.925	28.697820	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	112.831264	671.581	238.032042	103.320809	872.075	28.521586	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	112.902685	656.647	238.103463	103.209835	857.199	28.410612	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	112.916480	654.545	238.117258	103.196538	855.100	28.397315	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	112.937478	651.613	238.138255	103.179087	852.169	28.379864	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	113.132677	631.711	238.333455	103.093033	832.202	28.293810	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	113.414013	611.901	238.614790	103.058430	812.208	28.259208	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	113.773467	592.193	238.974244	103.066967	792.209	28.267744	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	114.202006	572.581	239.402784	103.109423	772.216	28.310200	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	114.689455	553.051	239.890233	103.175591	752.232	28.376369	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	115.039836	540.125	240.240613	103.227090	738.975	28.427868	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	115.224422	533.579	240.425199	103.254243	732.253	28.455020	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	115.800760	514.149	241.001538	103.337970	712.275	28.538747	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	116.422314	494.764	241.623091	103.426529	692.299	28.627306	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	117.094487	475.431	242.295264	103.520350	672.325	28.721128	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	117.823555	456.155	243.024332	103.619917	652.351	28.820694	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	118.616843	436.945	243.817620	103.725772	632.380	28.926550	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	119.482945	417.808	244.683723	103.838532	612.410	29.039310	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	120.169389	403.843	245.370167	103.925913	597.783	29.126690	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	120.431946	398.756	245.632724	103.958855	592.443	29.159633	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	121.470130	379.790	246.670908	104.083515	572.475	29.284293	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	122.594025	360.888	247.794803	104.201184	552.502	29.401961	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	123.798286	342.024	248.999064	104.297965	532.520	29.498743	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	125.076482	323.171	250.277260	104.357782	512.526	29.558560	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	125.865596	311.994	251.066374	104.368284	500.676	29.569061	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	126.420968	304.300	251.621745	104.362092	492.527	29.562870	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	127.831858	285.397	253.032635	104.295435	472.534	29.496213	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	129.322548	266.469	254.523325	104.147930	452.563	29.348708	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	130.911451	247.525	256.112229	103.908527	432.633	29.109304	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	132.623053	228.575	257.823831	103.564185	412.764	28.764963	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	134.490608	209.635	259.691386	103.099442	392.982	28.300219	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	136.560381	190.721	261.761159	102.495867	373.315	27.696644	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.898566	171.860	264.099343	101.731401	353.798	26.932178	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	141.603013	153.084	266.803791	100.779526	334.471	25.980303	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	142.950119	144.834	268.150896	100.291470	326.010	25.492248	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	144.824866	134.449	270.025644	99.608637	315.385	24.809415	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	148.824093	116.053	274.024870	98.187482	296.587	23.388259	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	154.055383	98.076	279.256161	96.484392	278.122	21.685170	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	161.320647	80.847	286.521425	94.460940	260.040	19.661717	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	172.067067	65.018	297.267844	92.070091	242.402	17.270869	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	188.696298	51.946	313.897075	89.254264	225.280	14.455042	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	213.354330	44.223	338.555108	85.943246	208.763	11.144023	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	242.202870	44.775	367.403648	82.052361	192.965	7.253139	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	252.075524	47.221	377.276302	80.416723	187.231	5.617500	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	265.823727	53.409	391.024505	77.483816	178.026	2.684594	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	281.265360	67.189	6.466138	72.154622	164.045	397.355400	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	286.180924	74.478	11.381702	69.456845	158.013	394.657623	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	290.808302	83.736	16.009080	65.991814	151.088	391.192592	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	295.297667	96.321	20.498445	61.092383	142.671	386.293161	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	296.801297	101.751	22.002075	58.885716	139.344	384.086494	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	300.702827	120.563	25.903605	50.711297	129.163	375.912074	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	303.330690	139.832	28.531468	41.407340	120.990	366.608117	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	305.148333	159.372	30.349111	31.061273	115.304	356.262050	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	306.430501	179.080	31.631279	19.977731	112.529	345.178508	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	307.348110	198.894	32.548888	8.670396	112.927	333.871174	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	308.012205	218.775	33.212983	397.736476	116.510	322.937254	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	308.497710	238.699	33.698488	387.674889	123.041	312.875666	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	308.856853	258.650	34.057630	378.770172	132.122	303.970950	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	309.127077	278.617	34.327855	371.093578	143.303	296.294355	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	309.335894	298.595	34.536672	364.574100	156.168	289.774878	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	309.503950	318.578	34.704728	359.074438	170.366	284.275215	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	309.591709	330.536	34.792486	356.208068	179.380	281.408845	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	309.646941	338.564	34.847718	354.441956	185.618	279.642734	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	309.773700	358.552	34.974478	350.529736	201.701	275.730513	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	309.887073	378.542	35.087851	347.205806	218.432	272.406584	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	309.989072	398.532	35.189850	344.361361	235.672	269.562138	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	310.081328	418.523	35.282105	341.908869	253.319	267.109647	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	310.165171	438.515	35.365949	339.778516	271.293	264.979294	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	310.241703	458.508	35.442481	337.914697	289.532	263.115475	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	310.311840	478.501	35.512618	336.273008	307.990	261.473786	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	310.376350	498.495	35.577128	334.817813	326.630	260.018590	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	310.435886	518.490	35.636663	333.520333	345.422	258.721111	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	310.481634	534.979	35.682412	332.552284	361.017	257.753061	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	105.011845	1090.544	30.212623	112.558732	891.555	237.759510	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	104.885640	1070.659	30.086418	112.576585	871.556	237.777362	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	104.754658	1050.778	29.955436	112.595276	851.558	237.796053	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	104.618625	1030.902	29.819403	112.614866	831.560	237.815643	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	104.477245	1011.031	29.678022	112.635421	811.561	237.836199	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	104.330196	991.165	29.530973	112.657015	791.563	237.857793	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	104.177132	971.305	29.377910	112.679729	771.565	237.880507	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	104.017680	951.450	29.218458	112.703651	751.567	237.904429	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	103.851432	931.602	29.052210	112.728881	731.569	237.929659	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	103.677947	911.760	28.878725	112.755530	711.572	237.956307	8.220

CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	103.568946	899.724	28.769724	112.772443	699.437	237.973220	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	103.497042	891.925	28.697820	112.784105	691.574	237.984882	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	103.320809	872.075	28.521586	112.831264	671.581	238.032042	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	103.209835	857.199	28.410612	112.902685	656.647	238.103463	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	103.196538	855.100	28.397315	112.916480	654.545	238.117258	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	103.179087	852.169	28.379864	112.937478	651.613	238.138255	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	103.093033	832.202	28.293810	113.132677	631.711	238.333455	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	103.058430	812.208	28.259208	113.414013	611.901	238.614790	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	103.066967	792.209	28.267744	113.773467	592.193	238.974244	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	103.109423	772.216	28.310200	114.202006	572.581	239.402784	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	103.175591	752.232	28.376369	114.689455	553.051	239.890233	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	103.227090	738.975	28.427868	115.039836	540.125	240.240613	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	103.254243	732.253	28.455020	115.224422	533.579	240.425199	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	103.337970	712.275	28.538747	115.800760	514.149	241.001538	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	103.426529	692.299	28.627306	116.422314	494.764	241.623091	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	103.520350	672.325	28.721128	117.094487	475.431	242.295264	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	103.619917	652.351	28.820694	117.823555	456.155	243.024332	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	103.725772	632.380	28.926550	118.616843	436.945	243.817620	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	103.838532	612.410	29.039310	119.482945	417.808	244.683723	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	103.925913	597.783	29.126690	120.169389	403.843	245.370167	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	103.958855	592.443	29.159633	120.431946	398.756	245.632724	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	104.083515	572.475	29.284293	121.470130	379.790	246.670908	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	104.201184	552.502	29.401961	122.594025	360.888	247.794803	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	104.297965	532.520	29.498743	123.798286	342.024	248.999064	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	104.357782	512.526	29.558560	125.076482	323.171	250.277260	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	104.368284	500.676	29.569061	125.865596	311.994	251.066374	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	104.362092	492.527	29.562870	126.420968	304.300	251.621745	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	104.295435	472.534	29.496213	127.831858	285.397	253.032635	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	104.147930	452.563	29.348708	129.322548	266.469	254.523325	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	103.908527	432.633	29.109304	130.911451	247.525	256.112229	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	103.564185	412.764	28.764963	132.623053	228.575	257.823831	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	103.099442	392.982	28.300219	134.490608	209.635	259.691386	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	102.495867	373.315	27.696644	136.560381	190.721	261.761159	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	101.731401	353.798	26.932178	138.898566	171.860	264.099343	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	100.779526	334.471	25.980303	141.603013	153.084	266.803791	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	100.291470	326.010	25.492248	142.950119	144.834	268.150896	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	99.608637	315.385	24.809415	144.824866	134.449	270.025644	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	98.187482	296.587	23.388259	148.824093	116.053	274.024870	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	96.484392	278.122	21.685170	154.055383	98.076	279.256161	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	94.460940	260.040	19.661717	161.320647	80.847	286.521425	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	92.070091	242.402	17.270869	172.067067	65.018	297.267844	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	89.254264	225.280	14.455042	188.696298	51.946	313.897075	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	85.943246	208.763	11.144023	213.354330	44.223	338.555108	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	82.052361	192.965	7.253139	242.202870	44.775	367.403648	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	80.416723	187.231	5.617500	252.075524	47.221	377.276302	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	77.483816	178.026	2.684594	265.823727	53.409	391.024505	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 908.768 Dis= 43.352

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	72.154622	164.045	397.355400	281.265360	67.189	6.466138	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	69.456845	158.013	394.657623	286.180924	74.478	11.381702	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	65.991814	151.088	391.192592	290.808302	83.736	16.009080	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	61.092383	142.671	386.293161	295.297667	96.321	20.498445	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	58.885716	139.344	384.086494	296.801297	101.751	22.002075	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	50.711297	129.163	375.912074	300.702827	120.563	25.903605	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	41.407340	120.990	366.608117	303.330690	139.832	28.531468	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	31.061273	115.304	356.262050	305.148333	159.372	30.349111	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	19.977731	112.529	345.178508	306.430501	179.080	31.631279	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	8.670396	112.927	333.871174	307.348110	198.894	32.548888	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	397.736476	116.510	322.937254	308.012205	218.775	33.212983	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	387.674889	123.041	312.875666	308.497710	238.699	33.698488	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	378.770172	132.122	303.970950	308.856853	258.650	34.057630	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	371.093578	143.303	296.294355	309.127077	278.617	34.327855	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	364.574100	156.168	289.774878	309.335894	298.595	34.536672	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	359.074438	170.366	284.275215	309.503950	318.578	34.704728	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	356.208068	179.380	281.408845	309.591709	330.536	34.792486	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	354.441956	185.618	279.642734	309.646941	338.564	34.847718	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	350.529736	201.701	275.730513	309.773700	358.552	34.974478	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	347.205806	218.432	272.406584	309.887073	378.542	35.087851	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	344.361361	235.672	269.562138	309.989072	398.532	35.189850	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	341.908869	253.319	267.109647	310.081328	418.523	35.282105	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	339.778516	271.293	264.979294	310.165171	438.515	35.365949	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	337.914697	289.532	263.115475	310.241703	458.508	35.442481	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	336.273008	307.990	261.473786	310.311840	478.501	35.512618	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	334.817813	326.630	260.018590	310.376350	498.495	35.577128	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	333.520333	345.422	258.721111	310.435886	518.490	35.636663	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	332.552284	361.017	257.753061	310.481634	534.979	35.682412	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	105.011845	1090.544	125.474090	119.951160	1247.412	340.413405	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	104.885640	1070.659	125.347885	120.083909	1227.580	340.546154	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	104.754658	1050.778	125.216903	120.221018	1207.752	340.683263	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	104.618625	1030.902	125.080870	120.362702	1187.931	340.824947	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	104.477245	1011.031	124.939490	120.509195	1168.115	340.971440	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	104.330196	991.165	124.792441	120.660742	1148.306	341.122987	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	104.177132	971.305	124.639377	120.817609	1128.504	341.279854	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	104.017680	951.450	124.479925	120.980078	1108.709	341.442323	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	103.851432	931.602	124.313677	121.148454	1088.921	341.610699	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	103.677947	911.760	124.140192	121.323060	1069.141	341.785305	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	103.568946	899.724	124.031191	121.432197	1057.143	341.894442	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	103.497042	891.925	123.959287	121.504500	1049.370	341.966744	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	103.320809	872.075	123.783054	121.703775	1029.637	342.166020	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	103.209835	857.199	123.672080	121.879663	1014.954	342.341908	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	103.196538	855.100	123.658783	121.907057	1012.893	342.369302	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	103.179087	852.169	123.641332	121.946487	1010.020	342.408731	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	103.093033	832.202	123.555278	122.250143	990.598	342.712388	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	103.058430	812.208	123.520675	122.610904	971.387	343.073149	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	103.066967	792.209	123.529212	123.021839	952.376	343.484084	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	103.109423	772.216	123.571668	123.475650	933.540	343.937895	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	103.175591	752.232	123.637836	123.964650	914.842	344.426895	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	103.227090	738.975	123.689335	124.304579	902.490	344.766824	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	103.254243	732.253	123.716488	124.480772	896.238	344.943016	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	103.337970	712.275	123.800215	125.019235	877.698	345.481480	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	103.426529	692.299	123.888774	125.580896	859.224	346.043141	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	103.520350	672.325	123.982595	126.167193	840.819	346.629438	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	103.619917	652.351	124.082162	126.779675	822.489	347.241920	8.496

RECTA	460.000	300.271321	0.000	421672.980	4576106.059	103.725772	632.380	124.188017	127.420017	804.239	347.882262	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	103.838532	612.410	124.300777	128.090025	786.073	348.552270	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	103.925913	597.783	124.388158	128.600774	772.824	349.063019	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	103.958855	592.443	124.421100	128.791623	767.999	349.253868	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	104.083515	572.475	124.545760	129.524164	750.007	349.986409	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	104.201184	552.502	124.663428	130.281801	732.056	350.744046	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	104.297965	532.520	124.760210	131.057616	714.101	351.519861	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	104.357782	512.526	124.820027	131.844021	696.098	352.306266	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	104.368284	500.676	124.830529	132.311597	685.388	352.773842	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	104.362092	492.527	124.824337	132.632709	677.999	353.094954	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	104.295435	472.534	124.757680	133.418419	659.783	353.880664	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	104.147930	452.563	124.610175	134.200533	641.450	354.662778	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	103.908527	432.633	124.370772	134.978709	623.004	355.440954	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	103.564185	412.764	124.026430	135.752559	604.447	356.214804	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	103.099442	392.982	123.561687	136.521646	585.784	356.983891	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	102.495867	373.315	122.958112	137.285469	567.019	357.747714	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	101.731401	353.798	122.193646	138.043457	548.153	358.505702	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	100.779526	334.471	121.241771	138.794951	529.191	359.257196	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	100.291470	326.010	120.753715	139.124549	520.788	359.586794	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	99.608637	315.385	120.070882	139.539424	510.137	360.001669	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	98.187482	296.587	118.649727	140.280551	491.005	360.742796	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	96.484392	278.122	116.946637	141.026475	471.817	361.488720	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	94.460940	260.040	114.923185	141.786897	452.594	362.249142	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	92.070091	242.402	112.532336	142.573259	433.356	363.035504	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	89.254264	225.280	109.716509	143.399116	414.126	363.861361	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	85.943246	208.763	106.405491	144.280602	394.926	364.742847	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	82.052361	192.965	102.514606	145.237014	375.782	365.699259	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	80.416723	187.231	100.878968	145.621236	368.593	366.083481	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	77.483816	178.026	97.946061	146.292872	356.726	366.755117	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299
Distancia: 314.924 Azimut: 379.537755
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	72.154622	164.045	92.616867	147.496767	337.834	367.959012	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	69.456845	158.013	89.919090	148.113211	329.319	368.575456	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	65.991814	151.088	86.454059	148.920068	319.231	369.382313	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	61.092383	142.671	81.554628	150.087490	306.363	370.549735	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	58.885716	139.344	79.347961	150.622345	301.030	371.084590	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	50.711297	129.163	71.173542	152.646906	283.318	373.109151	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	41.407340	120.990	61.869585	155.037637	266.182	375.499882	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	31.061273	115.304	51.523518	157.844188	249.726	378.306433	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	19.977731	112.529	40.439976	161.122030	234.071	381.584275	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	8.670396	112.927	29.132641	164.930733	219.365	385.392978	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	397.736476	116.510	18.198721	169.330038	205.782	389.792283	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	387.674889	123.041	8.137134	174.372615	193.523	394.834860	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	378.770172	132.122	399.232417	180.092475	182.819	0.554720	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	371.093578	143.303	391.555823	186.489058	173.915	6.951303	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	364.574100	156.168	385.036345	193.509531	167.057	13.971776	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	359.074438	170.366	379.536683	201.035597	162.459	21.497842	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	356.208068	179.380	376.670313	205.706629	160.854	26.168874	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	354.441956	185.618	374.904201	208.883810	160.271	29.346054	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	350.529736	201.701	370.991981	216.825104	160.565	37.287349	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	347.205806	218.432	367.668051	224.617079	163.327	45.079324	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	344.361361	235.672	364.823606	232.043343	168.434	52.505588	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	341.908869	253.319	362.371114	238.945178	175.682	59.407423	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	339.778516	271.293	360.240761	245.232974	184.821	65.695219	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	337.914697	289.532	358.376942	250.879182	195.584	71.341427	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	336.273008	307.990	356.735253	255.901579	207.720	76.363824	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	334.817813	326.630	355.280058	260.345337	221.002	80.807582	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	333.520333	345.422	353.982578	264.268583	235.237	84.730828	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	332.552284	361.017	353.014529	267.155861	247.576	87.618106	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	119.951160	1247.412	340.413405	105.011845	1090.544	125.474090	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	120.083909	1227.580	340.546154	104.885640	1070.659	125.347885	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	120.221018	1207.752	340.683263	104.754658	1050.778	125.216903	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	120.362702	1187.931	340.824947	104.618625	1030.902	125.080870	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	120.509195	1168.115	340.971440	104.477245	1011.031	124.939490	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	120.660742	1148.306	341.122987	104.330196	991.165	124.792441	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	120.817609	1128.504	341.279854	104.177132	971.305	124.639377	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	120.980078	1108.709	341.442323	104.017680	951.450	124.479925	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	121.148454	1088.921	341.610699	103.851432	931.602	124.313677	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	121.323060	1069.141	341.785305	103.677947	911.760	124.140192	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	121.432197	1057.143	341.894442	103.568946	899.724	124.031191	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	121.504500	1049.370	341.966744	103.497042	891.925	123.959287	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	121.703775	1029.637	342.166020	103.320809	872.075	123.783054	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	121.879663	1014.954	342.341908	103.209835	857.199	123.672080	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	121.907057	1012.893	342.369302	103.196538	855.100	123.658783	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	121.946487	1010.020	342.408731	103.179087	852.169	123.641332	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	122.250143	990.598	342.712388	103.093033	832.202	123.555278	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	122.610904	971.387	343.073149	103.058430	812.208	123.520675	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	123.021839	952.376	343.484084	103.066967	792.209	123.529212	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	123.475650	933.540	343.937895	103.109423	772.216	123.571668	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	123.964650	914.842	344.426895	103.175591	752.232	123.637836	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	124.304579	902.490	344.766824	103.227090	738.975	123.689335	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	124.480772	896.238	344.943016	103.254243	732.253	123.716488	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	125.019235	877.698	345.481480	103.337970	712.275	123.800215	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	125.580896	859.224	346.043141	103.426529	692.299	123.888774	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	126.167193	840.819	346.629438	103.520350	672.325	123.982595	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	126.779675	822.489	347.241920	103.619917	652.351	124.082162	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	127.420017	804.239	347.882262	103.725772	632.380	124.188017	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	128.090025	786.073	348.552270	103.838532	612.410	124.300777	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	128.600774	772.824	349.063019	103.925913	597.783	124.388158	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	128.791623	767.999	349.253868	103.958855	592.443	124.421100	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	129.524164	750.007	349.986409	104.083515	572.475	124.545760	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	130.281801	732.056	350.744046	104.201184	552.502	124.663428	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	131.057616	714.101	351.519861	104.297965	532.520	124.760210	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	131.844021	696.098	352.306266	104.357782	512.526	124.820027	12.324

CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	132.311597	685.388	352.773842	104.368284	500.676	124.830529	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	132.632709	677.999	353.094954	104.362092	492.527	124.824337	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	133.418419	659.783	353.880664	104.295435	472.534	124.757680	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	134.200533	641.450	354.662778	104.147930	452.563	124.610175	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	134.978709	623.004	355.440954	103.908527	432.633	124.370772	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	135.752559	604.447	356.214804	103.564185	412.764	124.026430	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	136.521646	585.784	356.983891	103.099442	392.982	123.561687	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	137.285469	567.019	357.747714	102.495867	373.315	122.958112	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.043457	548.153	358.505702	101.731401	353.798	122.193646	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	138.794951	529.191	359.257196	100.779526	334.471	121.241771	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	139.124549	520.788	359.586794	100.291470	326.010	120.753715	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	139.539424	510.137	360.001669	99.608637	315.385	120.070882	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	140.280551	491.005	360.742796	98.187482	296.587	118.649727	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	141.026475	471.817	361.488720	96.484392	278.122	116.946637	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	141.786897	452.594	362.249142	94.460940	260.040	114.923185	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	142.573259	433.356	363.035504	92.070091	242.402	112.532336	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	143.399116	414.126	363.861361	89.254264	225.280	109.716509	13.647
CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	144.280602	394.926	364.742847	85.943246	208.763	106.405491	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	145.237014	375.782	365.699259	82.052361	192.965	102.514606	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	145.621236	368.593	366.083481	80.416723	187.231	100.878968	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	146.292872	356.726	366.755117	77.483816	178.026	97.946061	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 314.924 Azimut: 179.537755
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1087.540 Dis=-112.299

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	147.496767	337.834	367.959012	72.154622	164.045	92.616867	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	148.113211	329.319	368.575456	69.456845	158.013	89.919090	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	148.920068	319.231	369.382313	65.991814	151.088	86.454059	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	150.087490	306.363	370.549735	61.092383	142.671	81.554628	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	150.622345	301.030	371.084590	58.885716	139.344	79.347961	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	152.646906	283.318	373.109151	50.711297	129.163	71.173542	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	155.037637	266.182	375.499882	41.407340	120.990	61.869585	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	157.844188	249.726	378.306433	31.061273	115.304	51.523518	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	161.122030	234.071	381.584275	19.977731	112.529	40.439976	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	164.930733	219.365	385.392978	8.670396	112.927	29.132641	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	169.330038	205.782	389.792283	397.736476	116.510	18.198721	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	174.372615	193.523	394.834860	387.674889	123.041	8.137134	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	180.092475	182.819	0.554720	378.770172	132.122	399.232417	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	186.489058	173.915	6.951303	371.093578	143.303	391.555823	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	193.509531	167.057	13.971776	364.574100	156.168	385.036345	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	201.035597	162.459	21.497842	359.074438	170.366	379.536683	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	205.706629	160.854	26.168874	356.208068	179.380	376.670313	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	208.883810	160.271	29.346054	354.441956	185.618	374.904201	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	216.825104	160.565	37.287349	350.529736	201.701	370.991981	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	224.617079	163.327	45.079324	347.205806	218.432	367.668051	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	232.043343	168.434	52.505588	344.361361	235.672	364.823606	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	238.945178	175.682	59.407423	341.908869	253.319	362.371114	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	245.232974	184.821	65.695219	339.778516	271.293	360.240761	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	250.879182	195.584	71.341427	337.914697	289.532	358.376942	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	255.901579	207.720	76.363824	336.273008	307.990	356.735253	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	260.345337	221.002	80.807582	334.817813	326.630	355.280058	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	264.268583	235.237	84.730828	333.520333	345.422	353.982578	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	267.155861	247.576	87.618106	332.552284	361.017	353.014529	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1309.277 Dis=-212.889

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	422128.849	4576057.282	119.951160	1247.412	297.605085	101.429781	1316.974	79.083706	8.130
RECTA	20.000	311.780740	0.000	422109.191	4576060.962	120.083909	1227.580	297.737834	101.270899	1297.242	78.924824	8.160
RECTA	40.000	311.780740	0.000	422089.532	4576064.642	120.221018	1207.752	297.874942	101.107110	1277.518	78.761035	8.185
RECTA	60.000	311.780740	0.000	422069.873	4576068.321	120.362702	1187.931	298.016627	100.938185	1257.803	78.592110	8.205
RECTA	80.000	311.780740	0.000	422050.215	4576072.001	120.509195	1168.115	298.163119	100.763882	1238.097	78.417806	8.220
RECTA	100.000	311.780740	0.000	422030.556	4576075.681	120.660742	1148.306	298.314667	100.583941	1218.401	78.237866	8.230
RECTA	120.000	311.780740	0.000	422010.898	4576079.361	120.817609	1128.504	298.471534	100.398089	1198.714	78.052014	8.235
RECTA	140.000	311.780740	0.000	421991.239	4576083.041	120.980078	1108.709	298.634003	100.206033	1179.038	77.859957	8.235
RECTA	160.000	311.780740	0.000	421971.581	4576086.721	121.148454	1088.921	298.802378	100.007459	1159.374	77.661383	8.230
RECTA	180.000	311.780740	0.000	421951.922	4576090.401	121.323060	1069.141	298.976985	99.802035	1139.721	77.455959	8.220
CLOT.	192.136	311.780740	0.000	421939.993	4576092.634	121.432197	1057.143	299.086122	99.673893	1127.801	77.327818	8.211
CLOT.	200.000	311.678907	0.000	421932.263	4576094.077	121.504500	1049.370	299.158424	99.589638	1120.079	77.243563	8.205
CLOT.	220.000	310.502259	0.000	421912.572	4576097.577	121.703775	1029.637	299.357700	99.379785	1100.417	77.033709	8.185
CIRC.	234.953	308.761931	0.000	421897.793	4576099.845	121.879663	1014.954	299.533588	99.238360	1085.663	76.892285	8.166
CLOT.	237.059	308.464856	0.000	421895.705	4576100.130	121.907057	1012.893	299.560982	99.220199	1083.579	76.874123	8.164
CLOT.	240.000	308.055459	0.000	421892.789	4576100.510	121.946487	1010.020	299.600411	99.195686	1080.669	76.849610	8.160
CLOT.	260.000	305.549280	0.000	421872.903	4576102.630	122.250143	990.598	299.904068	99.053381	1060.814	76.707305	8.129
CLOT.	280.000	303.528462	0.000	421852.954	4576104.042	122.610904	971.387	300.264829	98.948890	1040.889	76.602814	8.094
CLOT.	300.000	301.993004	0.000	421832.973	4576104.896	123.021839	952.376	300.675764	98.875053	1020.925	76.528977	8.054
CLOT.	320.000	300.942907	0.000	421812.978	4576105.345	123.475650	933.540	301.129575	98.824066	1000.942	76.477991	8.009
CLOT.	340.000	300.378170	0.000	421792.979	4576105.540	123.964650	914.842	301.618575	98.787453	980.950	76.441377	7.958
RECTA	353.271	300.271321	0.000	421779.708	4576105.604	124.304579	902.490	301.958504	98.766616	967.683	76.420541	7.922
RECTA	360.000	300.271321	0.000	421772.979	4576105.632	124.480772	896.238	302.134696	98.756081	960.956	76.410005	7.903
RECTA	380.000	300.271321	0.000	421752.980	4576105.718	125.019235	877.698	302.673160	98.723877	940.962	76.377802	7.853
RECTA	400.000	300.271321	0.000	421732.980	4576105.803	125.580896	859.224	303.234821	98.690276	920.968	76.344201	7.921
RECTA	420.000	300.271321	0.000	421712.980	4576105.888	126.167193	840.819	303.821117	98.655183	900.974	76.309108	8.135
RECTA	440.000	300.271321	0.000	421692.980	4576105.973	126.779675	822.489	304.433600	98.618498	880.981	76.272422	8.496
RECTA	460.000	300.271321	0.000	421672.980	4576106.059	127.420017	804.239	305.073942	98.580108	860.987	76.234033	9.000

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1309.277 Dis=-212.889

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	480.000	300.271321	0.000	421652.980	4576106.144	128.090025	786.073	305.743949	98.539894	840.995	76.193818	9.550
CLOT.	494.651	300.271321	0.000	421638.330	4576106.206	128.600774	772.824	306.254698	98.509200	826.350	76.163125	9.953
CLOT.	500.000	300.283816	0.000	421632.981	4576106.229	128.791623	767.999	306.445547	98.497693	821.002	76.151618	10.100
CLOT.	520.000	300.551901	0.000	421612.981	4576106.351	129.524164	750.007	307.178088	98.450484	801.011	76.104408	10.650
CLOT.	540.000	301.169297	0.000	421592.983	4576106.613	130.281801	732.056	307.935726	98.389527	781.026	76.043452	11.200
CLOT.	560.000	302.136005	0.000	421572.990	4576107.123	131.057616	714.101	308.711540	98.304576	761.052	75.958501	11.751
CLOT.	580.000	303.452023	0.000	421553.009	4576107.991	131.844021	696.098	309.497945	98.184307	741.103	75.838232	12.324
CIRC.	591.851	304.396617	0.000	421541.181	4576108.719	132.311597	685.388	309.965522	98.091328	729.301	75.745253	12.678
CIRC.	600.000	305.088355	0.000	421533.054	4576109.326	132.632709	677.999	310.286634	98.016309	721.197	75.670233	12.928
CIRC.	620.000	306.786008	0.000	421513.141	4576111.188	133.418419	659.783	311.072344	97.791024	701.357	75.444949	13.560
CIRC.	640.000	308.483661	0.000	421493.286	4576113.581	134.200533	641.450	311.854458	97.503338	681.603	75.157263	14.200
CIRC.	660.000	310.181314	0.000	421473.501	4576116.502	134.978709	623.004	312.632634	97.148001	661.958	74.801926	14.840
CIRC.	680.000	311.878966	0.000	421453.801	4576119.950	135.752559	604.447	313.406484	96.719263	642.447	74.373187	15.465
CIRC.	700.000	313.576619	0.000	421434.200	4576123.922	136.521646	585.784	314.175571	96.210832	623.096	73.864757	15.959
CIRC.	720.000	315.274272	0.000	421414.712	4576128.415	137.285469	567.019	314.939394	95.615841	603.936	73.269765	16.295
CIRC.	740.000	316.971925	0.000	421395.350	4576133.426	138.043457	548.153	315.697381	94.926807	585.000	72.580731	16.474
CIRC.	760.000	318.669577	0.000	421376.129	4576138.952	138.794951	529.191	316.448875	94.135613	566.323	71.789537	16.495
CLOT.	768.832	319.419256	0.000	421367.690	4576141.554	139.124549	520.788	316.778473	93.751459	558.169	71.405383	16.454
CLOT.	780.000	320.333874	0.000	421357.062	4576144.986	139.539424	510.137	317.193348	93.233701	547.947	70.887625	16.358
CLOT.	800.000	321.805087	0.000	421338.149	4576151.490	140.280551	491.005	317.934475	92.215621	529.899	69.869545	16.064
CLOT.	820.000	323.062355	0.000	421319.381	4576158.398	141.026475	471.817	318.680400	91.078825	512.194	68.732750	15.612
CLOT.	840.000	324.105678	0.000	421300.740	4576165.644	141.786897	452.594	319.440821	89.820720	494.845	67.474644	15.005
CLOT.	860.000	324.935056	0.000	421282.207	4576173.163	142.573259	433.356	320.227183	88.438535	477.859	66.092460	14.335
CLOT.	880.000	325.550490	0.000	421263.761	4576180.892	143.399116	414.126	321.053041	86.929298	461.242	64.583223	13.647

CLOT.	900.000	325.951978	0.000	421245.377	4576188.769	144.280602	394.926	321.934527	85.289794	444.997	62.943719	12.944
CLOT.	920.000	326.139521	0.000	421227.030	4576196.730	145.237014	375.782	322.890938	83.516536	429.127	61.170460	12.225
CLOT.	927.532	326.154693	0.000	421220.125	4576199.738	145.621236	368.593	323.275161	82.813290	423.248	60.467215	11.950
CLOT.	940.000	325.993119	0.000	421208.690	4576204.707	146.292872	356.726	323.946797	81.606640	413.627	59.260565	11.490

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 302 : Eje mediana C31C. Calzada Izquierda

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 1247.641 Dis= 160.089
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1309.277 Dis=-212.889

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	960.000	325.059005	0.000	421190.285	4576212.533	147.496767	337.834	325.150691	79.569711	398.419	57.223636	10.750
CIRC.	969.107	324.358145	0.000	421181.856	4576215.982	148.113211	329.319	325.767135	78.605344	391.553	56.259269	10.416
CIRC.	980.000	323.416720	0.000	421171.721	4576219.974	148.920068	319.231	326.573993	77.424418	383.367	55.078342	10.050
CLOT.	994.088	322.199167	0.000	421158.528	4576224.914	150.087490	306.363	327.741414	75.850963	372.824	53.504887	9.636
CLOT.	1000.000	321.694581	0.000	421152.964	4576226.912	150.622345	301.030	328.276269	75.174229	368.416	52.828154	9.482
CLOT.	1020.000	320.081713	0.000	421134.030	4576233.353	152.646906	283.318	330.300831	72.805160	353.597	50.459084	9.050
CLOT.	1040.000	318.614171	0.000	421114.946	4576239.334	155.037637	266.182	332.691562	70.297140	338.969	47.951064	8.754
CLOT.	1060.000	317.291954	0.000	421095.735	4576244.896	157.844188	249.726	335.498113	67.627310	324.599	45.281235	8.593
CLOT.	1080.000	316.115062	0.000	421076.419	4576250.080	161.122030	234.071	338.775955	64.770345	310.563	42.424270	8.568
CLOT.	1100.000	315.083496	0.000	421057.015	4576254.928	164.930733	219.365	342.584657	61.698655	296.950	39.352580	8.608
CLOT.	1120.000	314.197255	0.000	421037.541	4576259.483	169.330038	205.782	346.983962	58.382923	283.858	36.036848	8.648
CLOT.	1140.000	313.456340	0.000	421018.010	4576263.789	174.372615	193.523	352.026540	54.793163	271.404	32.447087	8.688
CLOT.	1160.000	312.860750	0.000	420998.435	4576267.890	180.092475	182.819	357.746400	50.900505	259.719	28.554430	8.728
CLOT.	1180.000	312.410485	0.000	420978.827	4576271.830	186.489058	173.915	364.142983	46.679962	248.953	24.333887	8.757
CLOT.	1200.000	312.105546	0.000	420959.196	4576275.653	193.509531	167.057	371.163456	42.114312	239.270	19.768237	8.757
CLOT.	1220.000	311.945932	0.000	420939.551	4576279.405	201.035597	162.459	378.689522	37.199091	230.849	14.853016	8.728
RECTA	1231.966	311.919919	0.000	420927.794	4576281.634	205.706629	160.854	383.360554	34.095889	226.492	11.749814	8.707
RECTA	1240.000	311.919919	0.000	420919.901	4576283.130	208.883810	160.271	386.537734	31.948250	223.877	9.602175	8.696
RECTA	1260.000	311.919919	0.000	420900.251	4576286.853	216.825104	160.565	394.479028	26.400503	218.518	4.054428	8.677
RECTA	1280.000	311.919919	0.000	420880.600	4576290.576	224.617079	163.327	2.271004	20.620182	214.893	398.274107	8.671
RECTA	1300.000	311.919919	0.000	420860.950	4576294.299	232.043343	168.434	9.697268	14.692239	213.091	392.346164	8.679
RECTA	1320.000	311.919919	0.000	420841.299	4576298.021	238.945178	175.682	16.599103	8.715940	213.159	386.369865	8.700
RECTA	1340.000	311.919919	0.000	420821.649	4576301.744	245.232974	184.821	22.886899	2.795469	215.095	380.449393	8.734
RECTA	1360.000	311.919919	0.000	420801.999	4576305.467	250.879182	195.584	28.533107	397.029340	218.849	374.683264	8.758
RECTA	1380.000	311.919919	0.000	420782.348	4576309.190	255.901579	207.720	33.555504	391.501185	224.329	369.155109	8.751
RECTA	1400.000	311.919919	0.000	420762.698	4576312.913	260.345337	221.002	37.999262	386.273902	231.414	363.927827	8.715
RECTA	1420.000	311.919919	0.000	420743.047	4576316.636	264.268583	235.237	41.922508	381.387843	239.961	359.041767	8.649
RECTA	1436.493	311.919919	0.000	420726.842	4576319.706	267.155861	247.576	44.809785	377.629489	248.004	355.283413	8.572

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 304 : Deflectora 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 0.000 Dis= 233.465
Distancia: 378.037 Azimut: 222.346075
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 0.000 Dis=-251.054

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.919919	0.000	420738.938	4576326.982	267.254365	233.465	44.908290	381.146170	251.054	358.800095	8.448
CIRC.	14.767	311.919919	0.000	420724.429	4576329.731	269.732299	244.930	47.386224	377.921680	258.249	355.575605	8.418
CIRC.	20.000	328.578108	0.000	420719.473	4576331.362	270.684841	248.618	48.338766	376.921831	261.501	354.575756	8.430
CIRC.	34.409	374.444391	0.000	420709.742	4576341.566	274.072502	253.158	51.726427	375.651131	274.547	353.305056	8.500

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 2 : NUDO B20 C32
EJE : 305 : Deflectora 02

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 54.982 Dis= 227.192
Distancia: 378.037 Azimut: 22.346075
BO : BR510 X: 420942.194 Y: 4576441.843 Z: 8.219 PK: 54.982 Dis=-230.518

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	48.826037	0.000	420703.026	4576305.230	370.484564	244.145	348.138489	266.960935	275.435	44.614860	8.500
CIRC.	0.000	48.826037	0.000	420703.026	4576305.230	370.484564	244.145	348.138489	266.960935	275.435	44.614860	8.500
CIRC.	20.000	99.755618	0.000	420720.931	4576312.881	375.566065	243.758	353.219989	266.404884	256.103	44.058808	8.433
RECTA	24.777	111.919919	0.000	420725.681	4576312.444	376.683447	241.612	354.337372	265.705985	252.234	43.359910	8.438
RECTA	40.000	111.919919	0.000	420740.638	4576309.610	380.208949	233.968	357.862874	263.036430	241.061	40.690354	8.497
RECTA	54.982	111.919919	0.000	420755.357	4576306.821	383.898968	227.192	361.552893	260.161552	230.518	37.815477	8.552

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GRUPO 3
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 0.000 Dis= 177.816

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	183.265520	78.627	349.222640	54.542047	177.816	20.499167	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	166.994304	73.867	332.951424	55.089295	197.751	21.046415	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	149.768393	74.368	315.725513	55.536286	217.698	21.493406	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	133.898283	80.029	299.855403	55.908225	237.654	21.865345	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	120.811160	89.882	286.768280	56.222531	257.616	22.179651	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	114.224467	97.517	280.181587	56.393137	269.926	22.350257	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	110.648754	102.735	276.605874	56.494006	277.584	22.451126	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	103.095393	117.889	269.052513	56.828919	297.524	22.786039	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	97.949801	135.083	263.906921	57.427035	317.306	23.384155	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	96.534040	142.363	262.491160	57.771885	325.018	23.729005	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	95.286452	151.183	261.243572	58.267063	333.933	24.224183	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	94.988100	153.905	260.945220	58.435709	336.604	24.392828	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	93.674341	173.607	259.631461	59.811178	355.144	25.768297	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	93.221742	193.561	259.178862	61.335234	373.142	27.292354	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	93.114031	206.318	259.071151	62.298745	384.544	28.255865	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	93.062925	213.554	259.020045	62.822241	391.041	28.779361	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	92.764212	233.522	258.721331	64.090815	409.379	30.047934	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	91.990166	252.708	257.947285	64.920460	428.008	30.877580	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	91.957549	253.264	257.914669	64.936984	428.568	30.894104	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	91.354500	262.076	257.311620	65.135079	437.612	31.092199	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	90.468590	272.269	256.425710	65.219963	448.446	31.177083	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	88.578322	290.433	254.535442	65.085940	468.413	31.043060	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	87.054314	304.552	253.011434	64.857407	484.133	30.814527	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	86.667617	308.302	252.624737	64.794745	488.293	30.751865	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	84.943694	326.364	250.900814	64.509578	508.168	30.466698	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	83.401572	344.640	249.358691	64.245882	528.052	30.203002	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	82.015487	363.097	247.972607	64.001330	547.945	29.958449	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	80.764033	381.710	246.721152	63.773915	567.846	29.731034	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 0.000 Dis= 177.816

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	79.629343	400.457	245.586463	63.561902	587.753	29.519022	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	78.596435	419.320	244.553555	63.363783	607.666	29.320903	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	77.652679	438.283	243.609798	63.178239	627.585	29.135358	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	76.787375	457.335	242.744495	63.004111	647.509	28.961231	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	75.991417	476.464	241.948537	62.840380	667.437	28.797500	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	75.524216	488.493	241.481336	62.742622	679.934	28.699742	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	75.255675	495.659	241.212794	62.685146	687.369	28.642266	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	74.513467	514.770	240.470587	62.492292	707.255	28.449411	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	73.630845	533.392	239.587965	62.161447	726.893	28.118567	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	73.397123	537.519	239.354242	62.056765	731.304	28.013885	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	72.506564	550.927	238.463684	61.611331	745.831	27.568451	13.493

CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	71.142629	566.919	237.099749	60.838767	763.586	26.795887	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	69.580611	581.090	235.537731	59.874183	779.786	25.831303	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	69.565617	581.210	235.522737	59.864624	779.925	25.821743	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	67.867379	593.323	233.824499	58.755559	794.212	24.712679	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	67.467930	595.852	233.425050	58.488734	797.244	24.445854	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	66.071041	604.014	232.028161	57.542697	807.133	23.499817	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	64.220364	613.318	230.177484	56.262665	818.643	22.219785	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	62.325179	621.191	228.282299	54.925957	828.670	20.883077	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	61.285239	624.839	227.242359	54.183159	833.450	20.140279	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	60.394795	627.610	226.351915	53.542705	837.162	19.499825	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	58.447575	632.924	224.404695	52.132421	844.438	18.089541	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	56.507108	637.913	222.464228	50.720267	851.242	16.677387	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	56.257765	638.576	222.214885	50.538648	852.129	16.495768	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	54.592709	643.293	220.549829	49.325677	858.272	15.282797	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	52.711723	649.244	218.668843	47.954384	865.706	13.911504	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	50.866484	655.751	216.823604	46.607055	873.535	12.564175	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	49.058992	662.799	215.016112	45.284243	881.749	11.241363	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 0.000 Dis= 177.816

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	47.290923	670.369	213.248042	43.986395	890.336	9.943515	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	45.563637	678.444	211.520756	42.713859	899.285	8.670979	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	43.878193	687.007	209.835313	41.466889	908.587	7.424009	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	42.235365	696.040	208.192485	40.245651	918.231	6.202771	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	40.802221	704.503	206.759341	39.175001	927.138	5.132121	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	183.265520	78.627	123.474976	243.235418	285.236	383.444874	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	166.994304	73.867	107.203760	241.992181	265.973	382.201637	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	149.768393	74.368	89.977849	240.555453	246.827	380.764908	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	133.898283	80.029	74.107739	238.878123	227.828	379.087579	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	120.811160	89.882	61.020616	236.897271	209.016	377.106727	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	114.224467	97.517	54.433923	235.488869	197.534	375.698325	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	110.648754	102.735	50.858210	234.524234	190.450	374.733690	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	103.095393	117.889	43.304848	231.488941	172.414	371.698396	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	97.949801	135.083	38.159257	227.229215	155.696	367.438671	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	96.534040	142.363	36.743496	225.066033	149.730	365.275489	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	95.286452	151.183	35.495908	222.118000	143.405	362.327455	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	94.988100	153.905	35.197556	221.134821	141.651	361.344277	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	93.674341	173.607	33.883797	213.081482	131.566	353.290938	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	93.221742	193.561	33.431198	203.614602	125.652	343.824058	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	93.114031	206.318	33.323487	197.163369	123.870	337.372824	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	93.062925	213.554	33.272381	193.442998	123.450	333.652454	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	92.764212	233.522	32.973667	183.139032	123.854	323.348488	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	91.990166	252.708	32.199621	173.230329	125.217	313.439785	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	91.957549	253.264	32.167004	172.940666	125.255	313.150122	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	91.354500	262.076	31.563956	168.310927	125.805	308.520383	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	90.468590	272.269	30.678046	162.836632	126.329	303.046088	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	88.578322	290.433	28.787778	152.827556	127.665	293.037012	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	87.054314	304.552	27.263770	145.086851	129.926	285.296306	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	86.667617	308.302	26.877073	143.087596	130.804	283.297051	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	84.943694	326.364	25.153150	133.981218	136.700	274.190674	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	83.401572	344.640	23.611027	125.779254	145.134	265.988710	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	82.015487	363.097	22.224943	118.582549	155.695	258.792004	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	80.764033	381.710	20.973488	112.368079	167.983	252.577534	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	79.629343	400.457	19.838799	107.043679	181.646	247.253134	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	78.596435	419.320	18.805891	102.491065	196.398	242.700521	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	77.652679	438.283	17.862134	98.591413	212.013	238.800869	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	76.787375	457.335	16.996831	95.237408	228.312	235.446864	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	75.991417	476.464	16.200873	92.337230	245.160	232.546685	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	75.524216	488.493	15.733672	90.715673	255.955	230.925128	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	75.255675	495.659	15.465130	89.812219	262.446	230.021675	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	74.513467	514.770	14.722923	87.498409	279.850	227.707865	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	73.630845	533.392	13.840300	85.137307	296.741	225.346763	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	73.397123	537.519	13.606578	84.568910	300.455	224.778366	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	72.506564	550.927	12.716020	82.547219	312.416	222.756675	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	71.142629	566.919	11.352085	79.721765	326.495	219.931221	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	69.580611	581.090	9.790067	76.713033	338.827	216.922488	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	69.565617	581.210	9.775072	76.684966	338.931	216.894422	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	67.867379	593.323	8.076835	73.576335	349.410	213.785790	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	67.467930	595.852	7.677386	72.861301	351.604	213.070757	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	66.071041	604.014	6.280497	70.396966	358.739	210.606421	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	64.220364	613.318	4.429820	67.203999	367.014	207.413455	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	62.325179	621.191	2.534634	63.999996	374.211	204.209452	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	61.285239	624.839	1.494695	62.264005	377.646	202.473461	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	60.394795	627.610	0.604251	60.787707	380.323	200.997162	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	58.447575	632.924	398.657031	57.586540	385.709	197.795995	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	56.507108	637.913	396.716564	54.431669	391.144	194.641125	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	56.257765	638.576	396.467221	54.029072	391.891	194.238528	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	54.592709	643.293	394.802165	51.359630	397.323	191.569086	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	52.711723	649.244	392.921179	48.388333	404.398	188.597789	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	50.866484	655.751	391.075940	45.525196	412.322	185.734651	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	49.058992	662.799	389.268448	42.775351	421.048	182.984807	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	47.290923	670.369	387.500378	40.141850	430.527	180.351306	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	45.563637	678.444	385.773092	37.625903	440.710	177.835358	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	43.878193	687.007	384.087649	35.227147	451.550	175.436603	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	42.235365	696.040	382.444821	32.943925	463.000	173.153380	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	40.802221	704.503	381.011677	30.997071	473.725	171.206527	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

RECTA	0.000	59.959452	0.000	420523.314	4575556.525	243.235418	285.236	383.444874	183.265520	78.627	123.474976	8.557

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azímu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	243.235418	285.236	383.444874	183.265520	78.627	123.474976	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	241.992181	265.973	382.201637	166.994304	73.867	107.203760	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	240.555453	246.827	380.764908	149.768393	74.368	89.977849	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	238.878123	227.828	379.087579	133.898283	80.029	74.107739	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	236.897271	209.016	377.106727	120.811160	89.882	61.020616	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	235.488869	197.534	375.698325	114.224467	97.517	54.433923	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	234.524234	190.450	374.733690	110.648754	102.735	50.858210	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	231.488941	172.414	371.698396	103.095393	117.889	43.304848	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	227.229215	155.696	367.438671	97.949801	135.083	38.159257	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	225.066033	149.730	365.275489	96.534040	142.363	36.743496	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	222.118000	143.405	362.327455	95.286452	151.183	35.495908	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	221.134821	141.651	361.344277	94.988100	153.905	35.197556	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	213.081482	131.566	353.290938	93.674341	173.607	33.883797	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	203.614602	125.652	343.824058	93.221742	193.561	33.431198	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	197.163369	123.870	337.372824	93.114031	206.318	33.323487	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	193.442998	123.450	333.652454	93.062925	213.554	33.272381	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	183.139032	123.854	323.348488	92.764212	233.522	32.973667	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	173.230329	125.217	313.439785	91.990166	252.708	32.199621	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	172.940666	125.255	313.150122	91.957549	253.264	32.167004	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	168.310927	125.805	308.520383	91.354500	262.076	31.563956	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	162.836632	126.329	303.046088	90.468590	272.269	30.678046	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	152.827556	127.665	293.037012	88.578322	290.433	28.787778	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	145.086851	129.926	285.296306	87.054314	304.552	27.263770	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	143.087596	130.804	283.297051	86.667617	308.302	26.877073	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	133.981218	136.700	274.190674	84.943694	326.364	25.153150	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	125.779254	145.134	265.988710	83.401572	344.640	23.611027	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	118.582549	155.695	258.792004	82.015487	363.097	22.224943	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	112.368079	167.983	252.577534	80.764033	381.710	20.973488	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azímu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	107.043679	181.646	247.253134	79.629343	400.457	19.838799	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	102.491065	196.398	242.700521	78.596435	419.320	18.805891	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	98.591413	212.013	238.800869	77.652679	438.283	17.862134	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	95.237408	228.312	235.446864	76.787375	457.335	16.996831	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	92.337230	245.160	232.546685	75.991417	476.464	16.200873	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	90.715673	255.955	230.925128	75.524216	488.493	15.733672	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	89.812219	262.446	230.021675	75.255675	495.659	15.465130	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	87.498409	279.850	227.707865	74.513467	514.770	14.722923	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	85.137307	296.741	225.346763	73.630845	533.392	13.840300	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	84.568910	300.455	224.778366	73.397123	537.519	13.606578	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	82.547219	312.416	222.756675	72.506564	550.927	12.716020	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	79.721765	326.495	219.931221	71.142629	566.919	11.352085	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	76.713033	338.827	216.922488	69.580611	581.090	9.790067	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	76.684966	338.931	216.894422	69.565617	581.210	9.775072	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	73.576335	349.410	213.785790	67.867379	593.323	8.076835	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	72.861301	351.604	213.070757	67.467930	595.852	7.677386	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	70.396966	358.739	210.606421	66.071041	604.014	6.280497	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	67.203999	367.014	207.413455	64.220364	613.318	4.429820	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	63.999996	374.211	204.209452	62.325179	621.191	2.534634	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	62.264005	377.646	202.473461	61.285239	624.839	1.494695	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	60.787707	380.323	200.997162	60.394795	627.610	0.604251	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	57.586540	385.709	197.795995	58.447575	632.924	398.657031	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	54.431669	391.144	194.641125	56.507108	637.913	396.716564	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	54.029072	391.891	194.238528	56.257765	638.576	396.467221	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	51.359630	397.323	191.569086	54.592709	643.293	394.802165	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	48.388333	404.398	188.597789	52.711723	649.244	392.921179	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	45.525196	412.322	185.734651	50.866484	655.751	391.075940	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	42.775351	421.048	182.984807	49.058992	662.799	389.268448	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 28.146 Dis= -73.417

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azímu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	40.141850	430.527	180.351306	47.290923	670.369	387.500378	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	37.625903	440.710	177.835358	45.563637	678.444	385.773092	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	35.227147	451.550	175.436603	43.878193	687.007	384.087649	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	32.943925	463.000	173.153380	42.235365	696.040	382.444821	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	30.997071	473.725	171.206527	40.802221	704.503	381.011677	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azímu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	243.235418	285.236	184.154666	249.409010	464.280	390.328258	8.557

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azímu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	243.235418	285.236	184.154666	249.409010	464.280	390.328258	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	241.992181	265.973	182.911429	248.936536	444.566	389.855783	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	240.555453	246.827	181.474700	248.420246	424.880	389.339494	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	238.878123	227.828	179.797371	247.853829	405.223	388.773076	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	236.897271	209.016	177.816519	247.229715	385.602	388.148962	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	235.488869	197.534	176.408117	246.812289	373.526	387.731537	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	234.524234	190.450	175.443482	246.536986	366.024	387.456233	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	231.488941	172.414	172.408188	245.682593	346.606	386.601841	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	227.229215	155.696	168.148463	244.443384	327.722	385.362632	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	225.066033	149.730	165.985281	243.790926	320.548	384.710174	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	222.118000	143.405	163.037247	242.879129	312.455	383.798377	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	221.134821	141.651	162.054069	242.570180	310.080	383.489427	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	213.081482	131.566	154.000730	239.976549	294.329	380.895797	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	203.614602	125.652	144.533849	236.799605	280.387	377.718852	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	197.163369	123.870	138.082616	234.539406	272.222	375.458653	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	193.442998	123.450	134.362245	233.195195	267.762	374.114442	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	183.139032	123.854	124.058280	229.336326	255.577	370.255574	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	173.230329	125.217	114.149577	225.556357	243.011	366.475605	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	172.940666	125.255	113.859914	225.447365	242.619	366.366613	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	168.310927	125.805	109.230175	223.731533	236.139	364.650780	8.300

CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	162.836632	126.329	103.755880	221.766760	227.988	362.686007	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	152.827556	127.665	93.746804	218.216095	212.203	359.135342	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	145.086851	129.926	86.006098	215.259727	199.605	356.178974	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	143.087596	130.804	84.006843	214.422966	196.325	355.342214	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	133.981218	136.700	74.900466	210.015859	181.172	350.935106	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	125.779254	145.134	66.698501	204.834596	167.042	345.753844	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	118.582549	155.695	59.501796	198.745159	154.217	339.664407	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	112.368079	167.983	53.287326	191.630341	143.048	332.549588	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	107.043679	181.646	47.962926	183.433420	133.950	324.352668	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	102.491065	196.398	43.410312	174.220612	127.367	315.139860	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	98.591413	212.013	39.510661	164.238516	123.702	305.157764	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	95.237408	228.312	36.156656	153.917136	123.215	294.836384	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	92.337230	245.160	33.256477	143.781052	125.943	284.700299	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	90.715673	255.955	31.634920	137.737548	129.213	278.656796	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	89.812219	262.446	30.731467	134.300268	131.677	275.219515	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	87.498409	279.850	28.417657	125.671873	139.598	266.591121	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	85.137307	296.741	26.056555	117.710378	148.324	258.629626	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	84.568910	300.455	25.488158	115.951661	150.295	256.870909	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	82.547219	312.416	23.466467	110.122392	156.655	251.041640	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	79.721765	326.495	20.641012	102.767608	164.157	243.686855	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	76.713033	338.827	17.632280	95.592751	170.750	236.511998	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	76.684966	338.931	17.604214	95.528196	170.805	236.447444	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	73.576335	349.410	14.495582	88.571966	176.508	229.491214	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	72.861301	351.604	13.780549	87.014987	177.751	227.934234	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	70.396966	358.739	11.316213	81.742991	182.011	222.662238	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	67.203999	367.014	8.123247	75.110757	187.456	216.030004	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	63.999996	374.211	4.919244	68.655946	192.785	209.575194	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	62.264005	377.646	3.183252	65.233659	195.601	206.152907	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	60.787707	380.323	1.706954	62.361181	197.963	203.280428	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	57.586540	385.709	398.505787	56.245452	203.318	197.164699	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	54.431669	391.144	395.350917	50.384251	209.568	191.303499	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	54.029072	391.891	394.948319	49.650363	210.477	190.569611	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	51.359630	397.323	392.278878	44.880304	217.302	185.799552	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	48.388333	404.398	389.307581	39.789656	226.543	180.708903	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	45.525196	412.322	386.444443	35.125153	237.115	176.044401	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	42.775351	421.048	383.694599	30.879373	248.847	171.798621	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	40.141850	430.527	381.061098	27.031269	261.584	167.950517	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	37.625903	440.710	378.545150	23.551878	275.187	164.471125	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	35.227147	451.550	376.146395	20.408640	289.533	161.327887	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	32.943925	463.000	373.863172	17.568363	304.517	158.487610	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	30.997071	473.725	371.916319	15.257992	318.390	156.177240	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	249.409010	464.280	390.328258	243.235418	285.236	184.154666	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	248.936536	444.566	389.855783	241.992181	265.973	182.911429	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	248.420246	424.880	389.339494	240.555453	246.827	181.474700	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	247.853829	405.223	388.773076	238.878123	227.828	179.797371	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	247.229715	385.602	388.148962	236.897271	209.016	177.816519	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	246.812289	373.526	387.731537	235.488869	197.534	176.408117	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	246.536986	366.024	387.456233	234.524234	190.450	175.443482	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	245.682593	346.606	386.601841	231.488941	172.414	172.408188	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	244.443384	327.722	385.362632	227.229215	155.696	168.148463	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	243.790926	320.548	384.710174	225.066033	149.730	165.985281	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	242.879129	312.455	383.798377	222.118000	143.405	163.037247	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	242.570180	310.080	383.489427	221.134821	141.651	162.054069	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	239.976549	294.329	380.895797	213.081482	131.566	154.000730	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	236.799605	280.387	377.718852	203.614602	125.652	144.533849	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	234.539406	272.222	375.458653	197.163369	123.870	138.082616	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	233.195195	267.762	374.114442	193.442998	123.450	134.362245	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	229.336326	255.577	370.255574	183.139032	123.854	124.058280	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	225.556357	243.011	366.475605	173.230329	125.217	114.149577	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	225.447365	242.619	366.366613	172.940666	125.255	113.859914	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	223.731533	236.139	364.650780	168.310927	125.805	109.230175	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	221.766760	227.988	362.686007	162.836632	126.329	103.755880	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	218.216095	212.203	359.135342	152.827556	127.665	93.746804	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	215.259727	199.605	356.178974	145.086851	129.926	86.006098	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	214.422966	196.325	355.342214	143.087596	130.804	84.006843	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	210.015859	181.172	350.935106	133.981218	136.700	74.900466	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	204.834596	167.042	345.753844	125.779254	145.134	66.698501	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	198.745159	154.217	339.664407	118.582549	155.695	59.501796	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	191.630341	143.048	332.549588	112.368079	167.983	53.287326	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	183.433420	133.950	324.352668	107.043679	181.646	47.962926	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	174.220612	127.367	315.139860	102.491065	196.398	43.410312	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	164.238516	123.702	305.157764	98.591413	212.013	39.510661	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	153.917136	123.215	294.836384	95.237408	228.312	36.156656	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	143.781052	125.943	284.700299	92.337230	245.160	33.256477	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	137.737548	129.213	278.656796	90.715673	255.955	31.634920	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	134.300268	131.677	275.219515	89.812219	262.446	30.731467	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	125.671873	139.598	266.591121	87.498409	279.850	28.417657	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	117.710378	148.324	258.629626	85.137307	296.741	26.056555	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	115.951661	150.295	256.870909	84.568910	300.455	25.488158	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	110.122392	156.655	251.041640	82.547219	312.416	23.466467	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	102.767608	164.157	243.686855	79.721765	326.495	20.641012	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	95.592751	170.750	236.511998	76.713033	338.827	17.632280	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	95.528196	170.805	236.447444	76.684966	338.931	17.604214	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	88.571966	176.508	229.491214	73.576335	349.410	14.495582	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	87.014987	177.751	227.934234	72.861301	351.604	13.780549	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	81.742991	182.011	222.662238	70.396966	358.739	11.316213	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	75.110757	187.456	216.030004	67.203999	367.014	8.123247	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	68.655946	192.785	209.575194	63.999996	374.211	4.919244	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	65.233659	195.601	206.152907	62.264005	377.646	3.183252	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	62.361181	197.963	203.280428	60.787707	380.323	1.706954	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	56.245452	203.318	197.164699	57.586540	385.709	398.505787	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	50.384251	209.568	191.303499	54.431669	391.144	395.350917	12.585

RECTA	762.586	372.884810	0.000	420996.558	4576037.499	49.650363	210.477	190.569611	54.029072	391.891	394.948319	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	44.880304	217.302	185.799552	51.359630	397.323	392.278878	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	39.789656	226.543	180.708903	48.388333	404.398	389.307581	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	35.125153	237.115	176.044401	45.525196	412.322	386.444443	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	30.879373	248.847	171.798621	42.775351	421.048	383.694599	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 225.330 Dis=-123.366

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	27.031269	261.584	167.950517	40.141850	430.527	381.061098	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	23.551878	275.187	164.471125	37.625903	440.710	378.545150	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	20.408640	289.533	161.327887	35.227147	451.550	376.146395	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	17.568363	304.517	158.487610	32.943925	463.000	373.863172	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	15.257992	318.390	156.177240	30.997071	473.725	371.916319	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 840.060 Dis= 84.701

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	249.409010	464.280	208.165520	246.078095	782.761	4.834605	8.557

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 840.060 Dis= 84.701

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	249.409010	464.280	208.165520	246.078095	782.761	4.834605	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	248.936536	444.566	207.693046	245.717223	763.247	4.473733	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	248.420246	424.880	207.176756	245.337428	743.758	4.093938	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	247.853829	405.223	206.610339	244.937209	724.298	3.693719	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	247.229715	385.602	205.986225	244.514907	704.868	3.271417	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	246.812289	373.526	205.568799	244.242757	692.905	2.999267	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	246.536986	366.024	205.293496	244.067748	685.473	2.824258	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	245.682593	346.606	204.439103	243.551533	666.240	2.308043	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	244.443384	327.722	203.199894	242.862420	647.556	1.618930	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	243.790926	320.548	202.547436	242.518221	640.458	1.274731	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	242.879129	312.455	201.635640	242.051503	632.441	0.808013	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	242.570180	310.080	201.326690	241.896351	630.084	0.652861	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	239.976549	294.329	198.733059	240.636529	614.338	399.393039	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	236.799605	280.387	195.556115	239.168341	600.061	397.924851	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	234.539406	272.222	193.295916	238.162327	591.445	396.918837	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	233.195195	267.762	191.951705	237.577707	586.636	396.334217	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	229.336326	255.577	188.092836	235.958556	573.132	394.715067	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	225.556357	243.011	184.312867	234.478315	558.861	393.234825	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	225.447365	242.619	184.203875	234.437667	558.415	393.194177	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	223.731533	236.139	182.488043	233.816542	551.046	392.573052	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	221.766760	227.988	180.523270	233.153356	541.809	391.909866	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	218.216095	212.203	176.972605	232.087229	523.920	390.843739	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	215.259727	199.605	174.016237	231.302797	509.445	390.059307	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	214.422966	196.325	173.179476	231.091679	505.611	389.848189	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	210.015859	181.172	168.772369	230.037502	487.379	388.794012	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	204.834596	167.042	163.591106	228.901727	469.290	387.658237	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	198.745159	154.217	157.501669	227.675313	451.363	386.431823	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	191.630341	143.048	150.386851	226.347989	433.617	385.104499	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 840.060 Dis= 84.701

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	183.433420	133.950	142.189930	224.908074	416.075	383.664584	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	174.220612	127.367	132.977122	223.342289	398.765	382.098799	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	164.238516	123.702	122.995026	221.635540	381.718	380.392050	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	153.917136	123.215	112.673647	219.770713	364.971	378.527223	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	143.781052	125.943	102.537562	217.728468	348.567	376.484978	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	137.737548	129.213	96.494058	216.347962	338.479	375.104472	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	134.300268	131.677	93.056778	215.488725	332.550	374.245235	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	125.671873	139.598	84.428384	213.106595	316.660	371.863105	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	117.710378	148.324	76.466888	210.763224	300.206	369.519734	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	115.951661	150.295	74.708171	210.257204	296.297	369.013714	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	110.122392	156.655	68.878902	208.689207	282.625	367.445717	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	102.767608	164.157	61.524118	207.041262	263.940	365.797772	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	95.592751	170.750	54.349261	205.945009	244.447	364.701519	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	95.528196	170.805	54.284706	205.938045	244.267	364.694555	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	88.571966	176.508	47.328476	205.525617	224.523	364.282127	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	87.014987	177.751	45.771497	205.524381	220.016	364.280892	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	81.742991	182.011	40.499501	205.783386	204.552	364.539896	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	75.110757	187.456	33.867267	206.841478	184.824	365.597988	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	68.655946	192.785	27.412456	208.961281	165.702	367.717791	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	65.233659	195.601	23.990169	210.668087	155.787	369.424597	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	62.361181	197.963	21.117691	212.484054	147.683	371.240564	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	56.245452	203.318	15.001962	217.679993	131.226	376.436503	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	50.384251	209.568	9.140762	224.677712	116.551	383.434222	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	49.650363	210.477	8.406873	225.720037	114.789	384.476547	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	44.880304	217.302	3.636814	233.618361	103.834	392.374871	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	39.789656	226.543	398.546166	244.760086	93.697	3.516596	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	35.125153	237.115	393.881664	258.080143	87.045	16.836653	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	30.879373	248.847	389.635883	272.839450	84.701	31.595960	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 840.060 Dis= 84.701

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	27.031269	261.584	385.787779	287.603547	87.017	46.360057	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	23.551878	275.187	382.308388	300.935357	93.646	59.691867	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	20.408640	289.533	379.165150	312.090850	103.765	70.847360	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	17.568363	304.517	376.324873	321.044073	116.468	79.800583	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	15.257992	318.390	374.014502	327.456378	129.404	86.212888	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 840.060 Dis= 84.701
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 473.005 Dis=-123.016

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	246.078095	782.761	4.834605	249.409010	464.280	208.165520	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	245.717223	763.247	4.473733	248.936536	444.566	207.693046	8.657

RECTA	40.000	59.959452	0.000	420555.660	4575580.057	245.337428	743.758	4.093938	248.420246	424.880	207.176756	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	244.937209	724.298	3.693719	247.853829	405.223	206.610339	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	244.514907	704.868	3.271417	247.229715	385.602	205.986225	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	244.242757	692.905	2.999267	246.812289	373.526	205.568799	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	244.067748	685.473	2.824258	246.536986	366.024	205.293496	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	243.551533	666.240	2.308043	245.682593	346.606	204.439103	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	242.862420	647.556	1.618930	244.443384	327.722	203.199894	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	242.518221	640.458	1.274731	243.790926	320.548	202.547436	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	242.051503	632.441	0.808013	242.879129	312.455	201.635640	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	241.896351	630.084	0.652861	242.570180	310.080	201.326690	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	240.636529	614.338	399.393039	239.976549	294.329	198.733059	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	239.168341	600.061	397.924851	236.799605	280.387	195.556115	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	238.162327	591.445	396.918837	234.539406	272.222	193.295916	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	237.577707	586.636	396.334217	233.195195	267.762	191.951705	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	235.958556	573.132	394.715067	229.336326	255.577	188.092836	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	234.478315	558.861	393.234825	225.556357	243.011	184.312867	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	234.437667	558.415	393.194177	225.447365	242.619	184.203875	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	233.816542	551.046	392.573052	223.731533	236.139	182.488043	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	233.153356	541.809	391.909866	221.766760	227.988	180.523270	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	232.087229	523.920	390.843739	218.216095	212.203	176.972605	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	231.302797	509.445	390.059307	215.259727	199.605	174.016237	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	231.091679	505.611	389.848189	214.422966	196.325	173.179476	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	230.037502	487.379	388.794012	210.015859	181.172	168.772369	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	228.901727	469.290	387.658237	204.834596	167.042	163.591106	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	227.675313	451.363	386.431823	198.745159	154.217	157.501669	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	226.347989	433.617	385.104499	191.630341	143.048	150.386851	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     840.060 Dis=  84.701
                                                                       Distancia:   320.038  Azimut: 241.243490
BO : BR518                X:  420848.548  Y: 4575887.854  Z:   8.896  PK:     473.005 Dis=-123.016
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	224.908074	416.075	383.664584	183.433420	133.950	142.189930	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	223.342289	398.765	382.098799	174.220612	127.367	132.977122	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	221.635540	381.718	380.392050	164.238516	123.702	122.995026	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	219.770713	364.971	378.527223	153.917136	123.215	112.673647	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	217.728468	348.567	376.484978	143.781052	125.943	102.537562	9.877
CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	216.347962	338.479	375.104472	137.737548	129.213	96.494058	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	215.488725	332.550	374.245235	134.300268	131.677	93.056778	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	213.106595	316.660	371.863105	125.671873	139.598	84.428384	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	210.763224	300.206	369.519734	117.710378	148.324	76.466888	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	210.257204	296.297	369.013714	115.951661	150.295	74.708171	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	208.689207	282.625	367.445717	110.122392	156.655	68.878902	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	207.041262	263.940	365.797772	102.767608	164.157	61.524118	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	205.945009	244.447	364.701519	95.592751	170.750	54.349261	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	205.938045	244.267	364.694555	95.528196	170.805	54.284706	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	205.525617	224.523	364.282127	88.571966	176.508	47.328476	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	205.524381	220.016	364.280892	87.014987	177.751	45.771497	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	205.783386	204.552	364.539896	81.742991	182.011	40.499501	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	206.841478	184.824	365.597988	75.110757	187.456	33.867267	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	208.961281	165.702	367.717791	68.655946	192.785	27.412456	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	210.668087	155.787	369.424597	65.233659	195.601	23.990169	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	212.484054	147.683	371.240564	62.361181	197.963	21.117691	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	217.679993	131.226	376.436503	56.245452	203.318	15.001962	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	224.677712	116.551	383.434222	50.384251	209.568	9.140762	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	225.720037	114.789	384.476547	49.650363	210.477	8.406873	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	233.618361	103.834	392.374871	44.880304	217.302	3.636814	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	244.760086	93.697	3.516596	39.789656	226.543	398.546166	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	258.080143	87.045	16.836653	35.125153	237.115	393.881664	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	272.839450	84.701	31.595960	30.879373	248.847	389.635883	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     840.060 Dis=  84.701
                                                                       Distancia:   320.038  Azimut: 241.243490
BO : BR518                X:  420848.548  Y: 4575887.854  Z:   8.896  PK:     473.005 Dis=-123.016
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	287.603547	87.017	46.360057	27.031269	261.584	385.787779	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	300.935357	93.646	59.691867	23.551878	275.187	382.308388	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	312.090850	103.765	70.847360	20.408640	289.533	379.165150	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	321.044073	116.468	79.800583	17.568363	304.517	376.324873	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	327.456378	129.404	86.212888	15.257992	318.390	374.014502	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     840.060 Dis=  84.701
                                                                       Distancia:   236.255  Azimut: 284.712386
BO : BR517                X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     883.702 Dis=-147.488
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420523.314	4575556.525	246.078095	782.761	361.365709	231.754312	603.913	147.041926	8.557
RECTA	20.000	59.959452	0.000	420539.487	4575568.291	245.717223	763.247	361.004837	230.822683	585.907	146.110297	8.657
RECTA	40.000	59.959452	0.000	420555.660	4575580.057	245.337428	743.758	360.625042	229.832204	568.034	145.119818	8.757
RECTA	60.000	59.959452	0.000	420571.833	4575591.823	244.937209	724.298	360.224823	228.777646	550.308	144.065260	8.857
RECTA	80.000	59.959452	0.000	420588.005	4575603.589	244.514907	704.868	359.802521	227.653221	532.742	142.940835	8.957
CLOT.	92.330	59.959452	0.000	420597.976	4575610.843	244.242757	692.905	359.530371	226.922424	522.000	142.210038	9.019
CLOT.	100.000	60.218611	0.000	420604.184	4575615.346	244.067748	685.473	359.355362	226.451413	515.360	141.739027	9.069
CLOT.	120.000	63.332485	0.000	420620.632	4575626.721	243.551533	666.240	358.839147	225.115670	498.423	140.403284	9.261
CLOT.	140.000	69.970897	0.000	420637.896	4575636.801	242.862420	647.556	358.150034	223.524239	482.633	138.811853	9.520
CIRC.	147.907	73.567670	0.000	420645.035	4575640.198	242.518221	640.458	357.805835	222.799371	476.918	138.086985	9.587
CLOT.	157.185	78.111192	0.000	420653.651	4575643.634	242.051503	632.441	357.339117	221.870936	470.729	137.158550	9.623
CLOT.	160.000	79.454680	0.000	420656.311	4575644.555	241.896351	630.084	357.183965	221.573052	468.972	136.860666	9.625
CLOT.	180.000	86.990530	0.000	420675.633	4575649.673	240.636529	614.338	355.924143	219.276110	458.020	134.563724	9.518
CLOT.	200.000	91.001842	0.000	420695.348	4575653.021	239.168341	600.061	354.455955	216.750627	449.299	132.038241	9.208
CLOT.	212.762	91.719410	0.000	420707.996	4575654.724	238.162327	591.445	353.449941	215.064819	444.521	130.352433	8.978
CLOT.	220.000	91.379106	0.000	420715.171	4575655.675	237.577707	586.636	352.865321	214.092214	441.966	129.379828	8.848
CLOT.	240.000	86.899952	0.000	420734.899	4575658.936	235.958556	573.132	351.246170	211.378458	434.848	126.666072	8.516
CIRC.	259.429	77.572304	0.000	420753.593	4575664.162	234.478315	558.861	349.765929	208.771874	426.739	124.059488	8.334
CIRC.	260.000	77.226022	0.000	420754.129	4575664.361	234.437667	558.415	349.725281	208.696761	426.469	123.984375	8.331
CLOT.	269.146	71.680498	0.000	420762.546	4575667.932	233.816542	551.046	349.104156	207.511703	421.858	122.799317	8.300
CLOT.	280.000	65.865173	0.000	420772.106	4575673.063	233.153356	541.809	348.440970	206.150283	415.733	121.437897	8.306
CLOT.	300.000	59.157773	0.000	420788.654	4575684.279	232.087229	523.920	347.374843	203.720352	403.267	119.007966	8.413
RECTA	315.813	57.533392	0.000	420801.160	4575693.956	231.302797	509.445	346.590411	201.789532	393.056	117.077146	8.508
RECTA	320.000	57.533392	0.000	420804.449	4575696.546	231.091679	505.611	346.379293	201.265196	390.388	116.552810	8.533
RECTA	340.000	57.533392	0.000	420820.162	4575708.920	230.037502	487.379	345.325116	198.660226	378.021	113.947840	8.653
RECTA	360.000	57.533392	0.000	420835.875	4575721.293	228.901727	469.290	344.189341	195.884067	366.329	111.171681	8.773
RECTA	380.000	57.533392	0.000	420851.588	4575733.667	227.675313	451.363	342.962927	192.930907	355.379	108.218521	8.893
RECTA	400.000	57.533392	0.000	420867.300	4575746.041	226.347989	433.617	341.635603	189.797217	345.241	105.084831	9.013

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR516                X:  421041.683  Y: 4576143.047  Z:   9.086  PK:     840.060 Dis=  84.701
                                                                       Distancia:   236.255  Azimut: 284.712386
BO : BR517                X:  420812.207  Y: 4576086.857  Z:  10.624  PK:     883.702 Dis=-147.488
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	420.000	57.533392	0.000	420883.013	4575758.414	224.908074	416.075	340.195688	186.482518	335.988	101.770132	9.133
RECTA	440.000	57.533392	0.000	420898.726	4575770.788	223.342289	398.765	338.629903	182.990188	327.697	98.277802	9.253
RECTA	460.000	57.533392	0.000	420914.439	4575783.162	221.635540	381.718	336.923154	179.328229	320.441	94.615843	9.373
RECTA	480.000	57.533392	0.000	420930.152	4575795.535	219.770713	364.971	335.058327	175.509899	314.292	90.797513	9.524
RECTA	500.000	57.533392	0.000	420945.865	4575807.909	217.728468	348.567	333.016082	171.554067	309.316	86.841681	9.877

CLOT.	512.539	57.533392	0.000	420955.716	4575815.667	216.347962	338.479	331.635576	169.014458	306.821	84.302072	10.214
CLOT.	520.000	57.256555	0.000	420961.571	4575820.291	215.488725	332.550	330.776339	167.485536	305.560	82.773150	10.457
CLOT.	540.000	53.782870	0.000	420976.949	4575833.074	213.106595	316.660	328.394209	163.345073	302.565	78.632687	11.264
CLOT.	560.000	46.330311	0.000	420991.169	4575847.121	210.763224	300.206	326.050838	159.176372	299.167	74.463986	12.299
CIRC.	564.572	44.067973	0.000	420994.150	4575850.588	210.257204	296.297	325.544818	158.223738	298.205	73.511352	12.567
CIRC.	580.000	36.082728	0.000	421003.227	4575863.050	208.689207	282.625	323.976821	155.021185	294.242	70.308799	13.493
CIRC.	600.000	25.731187	0.000	421012.550	4575880.720	207.041262	263.940	322.328876	150.907464	287.454	66.195078	14.611
CIRC.	620.000	15.379646	0.000	421018.889	4575899.665	205.945009	244.447	321.232623	146.852366	278.851	62.139980	15.394
CLOT.	620.182	15.285512	0.000	421018.932	4575899.842	205.938045	244.267	321.225659	146.815818	278.765	62.103432	15.399
CLOT.	640.000	6.413354	0.000	421022.220	4575919.369	205.525617	224.523	320.813231	142.858659	268.621	58.146273	15.824
CIRC.	644.507	4.782359	0.000	421022.615	4575923.859	205.524381	220.016	320.811995	141.960187	266.158	57.247801	15.872
CIRC.	660.000	399.421932	0.000	421023.126	4575939.339	205.783386	204.552	321.071000	138.854678	257.388	54.142292	15.901
CIRC.	680.000	392.502152	0.000	421021.859	4575959.289	206.841478	184.824	322.129092	134.799478	245.413	50.087092	15.626
CIRC.	700.000	385.582372	0.000	421018.435	4575978.984	208.961281	165.702	324.248895	130.681224	232.737	45.968838	15.025
CLOT.	710.812	381.841411	0.000	421015.699	4575989.442	210.668087	155.787	325.955701	128.423444	225.607	43.711058	14.645
CLOT.	720.000	378.944643	0.000	421012.908	4575998.195	212.484054	147.683	327.771668	126.482269	219.412	41.769883	14.301
CLOT.	740.000	374.589363	0.000	421005.706	4576016.849	217.679993	131.226	332.967607	122.100147	205.774	37.387761	13.480
CLOT.	760.000	372.907160	0.000	420997.627	4576035.144	224.677712	116.551	339.965326	117.315187	192.496	32.602801	12.585
RECTA	762.586	372.884810	0.000	420996.558	4576037.499	225.720037	114.789	341.007651	116.654098	190.845	31.941712	12.468
RECTA	780.000	372.884810	0.000	420989.364	4576053.357	233.618361	103.834	348.905975	111.897828	180.296	27.185442	11.748
RECTA	800.000	372.884810	0.000	420981.100	4576071.570	244.760086	93.697	360.047700	105.746457	169.584	21.034071	11.194
RECTA	820.000	372.884810	0.000	420972.837	4576089.783	258.080143	87.045	373.367757	98.840314	160.657	14.127928	10.940
RECTA	840.000	372.884810	0.000	420964.574	4576107.997	272.839450	84.701	388.127064	91.223495	153.826	6.511109	10.986

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 23 : Ramal de enlace B20 C32 (Viladecans) a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 840.060 Dis= 84.701
Distancia: 236.255 Azimut: 284.712386
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 883.702 Dis=-147.488

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	860.000	372.884810	0.000	420956.311	4576126.210	287.603547	87.017	2.891161	83.028615	149.380	398.316229	11.333
RECTA	880.000	372.884810	0.000	420948.047	4576144.423	300.935357	93.646	16.222971	74.482180	147.535	389.769794	11.901
RECTA	900.000	372.884810	0.000	420939.784	4576162.636	312.090850	103.765	27.378464	65.878118	148.386	381.165732	12.481
RECTA	920.000	372.884810	0.000	420931.521	4576180.849	321.044073	116.468	36.331687	57.522181	151.889	372.809795	13.061
RECTA	937.892	372.884810	0.000	420924.129	4576197.143	327.456378	129.404	42.743992	50.468674	157.129	365.756288	13.580

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 30 : Lazo B20 C32 (Viladecans) a Centro Comercial

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 360.220 Dis= -45.144
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 72.542 Dis=-163.990

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420587.584	4575598.954	123.974841	91.084	64.184296	236.244368	213.136	376.453824	8.871
CLOT.	8.404	59.959452	0.000	420594.380	4575603.898	119.256754	95.849	59.466210	235.295967	205.331	375.505423	8.913
CLOT.	20.000	62.073066	0.000	420603.831	4575610.616	113.561294	103.283	53.770750	233.824697	194.696	374.034153	8.975
CLOT.	40.000	75.651640	0.000	420621.296	4575620.283	106.518778	119.036	46.728234	230.185566	177.803	370.395022	9.022
CIRC.	54.427	93.253745	0.000	420635.220	4575623.880	104.117344	132.614	44.326799	226.125109	168.588	366.334565	8.943
CIRC.	60.000	101.317203	0.000	420640.784	4575624.118	103.842458	138.152	44.051914	224.206998	166.226	364.416454	8.948
CIRC.	80.000	130.254465	0.000	420660.006	4575619.251	105.335717	157.676	45.545173	216.595582	164.787	356.805038	9.151
CIRC.	100.000	159.191727	0.000	420675.139	4575606.439	109.541222	174.209	49.750678	210.033143	174.190	350.242599	9.645
CIRC.	120.000	188.128990	0.000	420683.111	4575588.284	115.299561	185.561	55.509016	206.460594	191.170	346.670050	10.391
CIRC.	140.000	217.066252	0.000	420682.302	4575568.472	121.806232	190.485	62.015687	206.097741	210.966	346.307197	11.171
CIRC.	160.000	246.003515	0.000	420672.877	4575551.027	128.437186	188.488	68.646642	208.239132	229.362	348.448587	11.951
CIRC.	180.000	274.940777	0.000	420656.749	4575539.492	134.598275	179.767	74.807731	212.036214	243.315	352.245670	12.731
CIRC.	200.000	303.878039	0.000	420637.195	4575536.209	139.582040	165.234	79.791496	216.757130	250.904	356.966586	13.501
CLOT.	219.989	332.798767	0.000	420618.194	4575541.838	142.400608	146.654	82.610064	221.783194	251.195	361.992650	14.157
CLOT.	220.000	332.815300	0.000	420618.184	4575541.844	142.401353	146.642	82.610808	221.786047	251.193	361.995503	14.157
CLOT.	240.000	355.457774	0.000	420603.095	4575554.809	141.964382	126.770	82.173838	226.619741	244.749	366.829197	14.672
CLOT.	260.000	365.525042	0.000	420591.746	4575571.251	138.394746	107.898	78.604202	231.243027	234.951	371.452483	15.046
RECTA	266.011	366.093060	0.000	420588.678	4575576.421	136.830569	102.470	77.040024	232.654812	231.894	372.864268	15.131
RECTA	280.000	366.093060	0.000	420581.575	4575588.472	132.444493	90.148	72.653949	236.077798	225.205	376.287254	15.279
RECTA	300.000	366.093060	0.000	420571.419	4575605.701	123.689724	73.571	63.899180	241.314522	216.854	381.523978	15.370
RECTA	320.000	366.093060	0.000	420561.263	4575622.931	110.290679	59.152	50.500135	246.929182	210.082	387.138638	15.329
CIRC.	325.746	366.093060	0.000	420558.346	4575627.881	105.233966	55.651	45.443422	248.605238	208.450	388.814693	15.309
CIRC.	334.794	370.524232	0.000	420554.026	4575635.830	95.800465	51.255	36.009920	251.270598	205.875	391.480054	15.278
CIRC.	340.000	366.625344	0.000	420551.560	4575640.413	89.678125	49.324	29.887580	252.831278	204.539	393.040734	15.259
RECTA	345.117	362.792748	0.000	420548.867	4575644.763	83.344865	47.603	23.554321	254.403082	203.652	394.612537	15.241
RECTA	360.000	362.792748	0.000	420540.655	4575657.176	63.102353	45.145	3.311809	259.051569	202.235	399.261025	15.189
RECTA	380.000	362.792748	0.000	420529.620	4575673.856	36.502593	49.288	376.712048	265.352593	202.050	5.562049	15.119
RECTA	391.274	362.792748	0.000	420523.400	4575683.259	24.432915	54.794	364.642371	268.890366	202.816	9.099822	15.080

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 30 : Lazo B20 C32 (Viladecans) a Centro Comercial

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 72.542 Dis=-163.990
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 360.220 Dis= -45.144

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420587.584	4575598.954	236.244368	213.136	376.453824	123.974841	91.084	64.184296	8.871

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 30 : Lazo B20 C32 (Viladecans) a Centro Comercial

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 360.220 Dis= -45.144
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 72.542 Dis=-163.990

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420587.584	4575598.954	123.974841	91.084	64.184296	236.244368	213.136	376.453824	8.871
CLOT.	8.404	59.959452	0.000	420594.380	4575603.898	119.256754	95.849	59.466210	235.295967	205.331	375.505423	8.913
CLOT.	20.000	62.073066	0.000	420603.831	4575610.616	113.561294	103.283	53.770750	233.824697	194.696	374.034153	8.975
CLOT.	40.000	75.651640	0.000	420621.296	4575620.283	106.518778	119.036	46.728234	230.185566	177.803	370.395022	9.022
CIRC.	54.427	93.253745	0.000	420635.220	4575623.880	104.117344	132.614	44.326799	226.125109	168.588	366.334565	8.943
CIRC.	60.000	101.317203	0.000	420640.784	4575624.118	103.842458	138.152	44.051914	224.206998	166.226	364.416454	8.948
CIRC.	80.000	130.254465	0.000	420660.006	4575619.251	105.335717	157.676	45.545173	216.595582	164.787	356.805038	9.151
CIRC.	100.000	159.191727	0.000	420675.139	4575606.439	109.541222	174.209	49.750678	210.033143	174.190	350.242599	9.645
CIRC.	120.000	188.128990	0.000	420683.111	4575588.284	115.299561	185.561	55.509016	206.460594	191.170	346.670050	10.391
CIRC.	140.000	217.066252	0.000	420682.302	4575568.472	121.806232	190.485	62.015687	206.097741	210.966	346.307197	11.171
CIRC.	160.000	246.003515	0.000	420672.877	4575551.027	128.437186	188.488	68.646642	208.239132	229.362	348.448587	11.951
CIRC.	180.000	274.940777	0.000	420656.749	4575539.492	134.598275	179.767	74.807731	212.036214	243.315	352.245670	12.731
CIRC.	200.000	303.878039	0.000	420637.195	4575536.209	139.582040	165.234	79.791496	216.757130	250.904	356.966586	13.501
CLOT.	219.989	332.798767	0.000	420618.194	4575541.838	142.400608	146.654	82.610064	221.783194	251.195	361.992650	14.157
CLOT.	220.000	332.815300	0.000	420618.184	4575541.844	142.401353	146.642	82.610808	221.786047	251.193	361.995503	14.157
CLOT.	240.000	355.457774	0.000	420603.095	4575554.809	141.964382	126.770	82.173838	226.619741	244.749	366.829197	14.672
CLOT.	260.000	365.525042	0.000	420591.746	4575571.251	138.394746	107.898	78.604202	231.243027	234.951	371.452483	15.046
RECTA	266.011	366.093060	0.000	420588.678	4575576.421	136.830569	102.470	77.040024	232.654812	231.894	372.864268	15.131
RECTA	280.000	366.093060	0.000	420581.575	4575588.472	132.444493	90.148	72.653949	236.077798	225.205	376.287254	15.279
RECTA	300.000	366.093060	0.000	420571.419	4575605.701	123.689724	73.571	63.899180	241.314522	216.854	381.523978	15.370
RECTA	320.000	366.093060	0.000	420561.263	4575622.931	110.290679	59.152	50.500135	246.929182	210.082	387.138638	15.329
CIRC.	325.746	366.093060	0.000	420558.346	4575627.881	105.233966	55.651	45.443422	248.605238	208.450	388.814693	15.309
CIRC.	334.794	370.524232	0.000	420554.026	4575635.830	95.800465	51.255	36.009920	251.270598	205.875	391.480054	15.278
CIRC.	340.000	366.625344	0.000	420551.560	4575640.413	89.678125	49.324	29.887580	252.831278	204.539	393.040734	15.259
RECTA	345.117	362.792748	0.000	420548.867	4575644.763	83.344865	47.603	23.554321	254.403082	203.652	394.612537	15.241
RECTA	360.000	362.792748	0.000	420540.655	4575657.176	63.102353	45.145	3.311809	259.051569	202.235	399.261025	15.189
RECTA	380.000	362.792748	0.000	420529.620	4575673.856	36.502593	49.288	376.712048	265.352593	202.050	5.562049	15.119
RECTA	391.274	362.792748	0.000	420523.400	4575683.259	24.432915	54.794	364.642371	268.890366	202.816	9.099822	15.080

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 30 : Lazo B20 C32 (Viladecans) a Centro Comercial

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 360.220 Dis= -45.144
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 255.977 Dis=-241.467

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420587.584	4575598.954	123.974841	91.084	289.931960	57.051965	254.370	23.009085	8.871

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 30 : Lazo B20 C32 (Viladecans) a Centro Comercial

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 360.220 Dis= -45.144
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 255.977 Dis=-241.467

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420587.584	4575598.954	123.974841	91.084	289.931960	57.051965	254.370	23.009085	8.871
CLOT.	8.404	59.959452	0.000	420594.380	4575603.898	119.256754	95.849	285.213874	57.144924	262.766	23.102044	8.913
CLOT.	20.000	62.073066	0.000	420603.831	4575610.616	113.561294	103.283	279.518414	57.293583	274.344	23.250702	8.975
CLOT.	40.000	75.651640	0.000	420621.296	4575620.283	106.518778	119.036	272.475898	58.004498	294.052	23.961618	9.022
CIRC.	54.427	93.253745	0.000	420635.220	4575623.880	104.117344	132.614	270.074464	59.183514	307.312	25.140634	8.943
CIRC.	60.000	101.317203	0.000	420640.784	4575624.118	103.842458	138.152	269.799578	59.823923	311.929	25.781043	8.948
CIRC.	80.000	130.254465	0.000	420660.006	4575619.251	105.335717	157.676	271.292837	62.816820	324.936	28.773940	9.151
CIRC.	100.000	159.191727	0.000	420675.139	4575606.439	109.541222	174.209	275.498342	66.478976	331.044	32.436096	9.645
CIRC.	120.000	188.128990	0.000	420683.111	4575588.284	115.299561	185.561	281.256680	70.289016	329.402	36.246136	10.391
CIRC.	140.000	217.066252	0.000	420682.302	4575568.472	121.806232	190.485	287.763351	73.735699	320.234	39.692819	11.171
CIRC.	160.000	246.003515	0.000	420672.877	4575551.027	128.437186	188.488	294.394306	76.284585	304.850	42.241705	11.951
CIRC.	180.000	274.940777	0.000	420656.749	4575539.492	134.598275	179.767	300.555395	77.370919	285.671	43.328038	12.731
CIRC.	200.000	303.878039	0.000	420637.195	4575536.209	139.582040	165.234	305.539160	76.479597	266.223	42.436717	13.501
CLOT.	219.989	332.798767	0.000	420618.194	4575541.838	142.400608	146.654	308.357728	73.404486	250.830	39.361606	14.157
CLOT.	220.000	332.815300	0.000	420618.184	4575541.844	142.401353	146.642	308.358473	73.402155	250.823	39.359275	14.157
CLOT.	240.000	355.457774	0.000	420603.095	4575554.809	141.964382	126.770	307.921502	68.688640	242.957	34.645760	14.672
CLOT.	260.000	365.525042	0.000	420591.746	4575571.251	138.394746	107.898	304.351866	63.450095	241.536	29.407214	15.046
RECTA	266.011	366.093060	0.000	420588.678	4575576.421	136.830569	102.470	302.787689	61.868710	241.842	27.825830	15.131
RECTA	280.000	366.093060	0.000	420581.575	4575588.472	132.444493	90.148	298.401613	58.212520	243.170	24.169640	15.279
RECTA	300.000	366.093060	0.000	420571.419	4575605.701	123.689724	73.571	289.646844	53.079972	246.440	19.037091	15.370
RECTA	320.000	366.093060	0.000	420561.263	4575622.931	110.290679	59.152	276.247799	48.113101	251.264	14.070221	15.329
CIRC.	325.746	366.093060	0.000	420558.346	4575627.881	105.233966	55.651	271.191086	46.724085	252.926	12.681205	15.309
CIRC.	334.794	370.524232	0.000	420554.026	4575635.830	95.800465	51.255	261.757585	44.602655	256.077	10.559775	15.278
CIRC.	340.000	366.625344	0.000	420551.560	4575640.413	89.678125	49.324	255.635245	43.408419	258.036	9.365538	15.259
RECTA	345.117	362.792748	0.000	420548.867	4575644.763	83.344865	47.603	249.301985	42.223960	259.761	8.181080	15.241
RECTA	360.000	362.792748	0.000	420540.655	4575657.176	63.102353	45.145	229.059473	38.830241	264.863	4.787361	15.189
RECTA	380.000	362.792748	0.000	420529.620	4575673.856	36.502593	49.288	202.459712	34.487097	272.849	0.444217	15.119
RECTA	391.274	362.792748	0.000	420523.400	4575683.259	24.432915	54.794	190.390035	32.154873	277.885	398.111993	15.080

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 30 : Lazo B20 C32 (Viladecans) a Centro Comercial

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 360.220 Dis= -45.144
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 72.542 Dis=-163.990

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.959452	0.000	420587.584	4575598.954	123.974841	91.084	64.184296	236.244368	213.136	376.453824	8.871
CLOT.	8.404	59.959452	0.000	420594.380	4575603.898	119.256754	95.849	59.466210	235.295967	205.331	375.505423	8.913
CLOT.	20.000	62.073066	0.000	420603.831	4575610.616	113.561294	103.283	53.770750	233.824697	194.696	374.034153	8.975
CLOT.	40.000	75.651640	0.000	420621.296	4575620.283	106.518778	119.036	46.728234	230.185566	177.803	370.395022	9.022
CIRC.	54.427	93.253745	0.000	420635.220	4575623.880	104.117344	132.614	44.326799	226.125109	168.588	366.334565	8.943
CIRC.	60.000	101.317203	0.000	420640.784	4575624.118	103.842458	138.152	44.051914	224.206998	166.226	364.416454	8.948
CIRC.	80.000	130.254465	0.000	420660.006	4575619.251	105.335717	157.676	45.545173	216.595582	164.787	356.805038	9.151
CIRC.	100.000	159.191727	0.000	420675.139	4575606.439	109.541222	174.209	49.750678	210.033143	174.190	350.242599	9.645
CIRC.	120.000	188.128990	0.000	420683.111	4575588.284	115.299561	185.561	55.509016	206.460594	191.170	346.670050	10.391
CIRC.	140.000	217.066252	0.000	420682.302	4575568.472	121.806232	190.485	62.015687	206.097741	210.966	346.307197	11.171
CIRC.	160.000	246.003515	0.000	420672.877	4575551.027	128.437186	188.488	68.646642	208.239132	229.362	348.448587	11.951
CIRC.	180.000	274.940777	0.000	420656.749	4575539.492	134.598275	179.767	74.807731	212.036214	243.315	352.245670	12.731
CIRC.	200.000	303.878039	0.000	420637.195	4575536.209	139.582040	165.234	79.791496	216.757130	250.904	356.966586	13.501
CLOT.	219.989	332.798767	0.000	420618.194	4575541.838	142.400608	146.654	82.610064	221.783194	251.195	361.992650	14.157
CLOT.	220.000	332.815300	0.000	420618.184	4575541.844	142.401353	146.642	82.610808	221.786047	251.193	361.995503	14.157
CLOT.	240.000	355.457774	0.000	420603.095	4575554.809	141.964382	126.770	82.173838	226.619741	244.749	366.829197	14.672
CLOT.	260.000	365.525042	0.000	420591.746	4575571.251	138.394746	107.898	78.604202	231.243027	234.951	371.452483	15.046
RECTA	266.011	366.093060	0.000	420588.678	4575576.421	136.830569	102.470	77.040024	232.654812	231.894	372.864268	15.131
RECTA	280.000	366.093060	0.000	420581.575	4575588.472	132.444493	90.148	72.653949	236.077798	225.205	376.287254	15.279
RECTA	300.000	366.093060	0.000	420571.419	4575605.701	123.689724	73.571	63.899180	241.314522	216.854	381.523978	15.370
RECTA	320.000	366.093060	0.000	420561.263	4575622.931	110.290679	59.152	50.500135	246.929182	210.082	387.138638	15.329
CIRC.	325.746	366.093060	0.000	420558.346	4575627.881	105.233966	55.651	45.443422	248.605238	208.450	388.814693	15.309
CIRC.	334.794	370.524232	0.000	420554.026	4575635.830	95.800465	51.255	36.009920	251.270598	205.875	391.480054	15.278
CIRC.	340.000	366.625344	0.000	420551.560	4575640.413	89.678125	49.324	29.887580	252.831278	204.539	393.040734	15.259
RECTA	345.117	362.792748	0.000	420548.867	4575644.763	83.344865	47.603	23.554321	254.403082	203.652	394.612537	15.241
RECTA	360.000	362.792748	0.000	420540.655	4575657.176	63.102353	45.145	3.311809	259.051569	202.235	399.261025	15.189
RECTA	380.000	362.792748	0.000	420529.620	4575673.856	36.502593	49.288	376.712048	265.352593	202.050	5.562049	15.119
RECTA	391.274	362.792748	0.000	420523.400	4575683.259	24.432915	54.794	364.642371	268.890366	202.816	9.099822	15.080

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 410.900 Dis=-306.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	94.547867	483.419	314.041388	43.715092	563.165	63.208613	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	95.516826	464.766	315.010346	42.726562	545.110	62.220082	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	96.566548	446.229	316.060068	41.670580	527.196	61.164101	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	97.706921	427.824	317.200441	40.540645	509.436	60.034165	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	98.822994	411.347	318.316515	39.451764	493.561	58.945284	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	98.949379	409.568	318.442899	39.329495	491.849	58.823015	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	100.304014	391.474	319.797534	38.026515	474.464	57.520035	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	101.772771	373.525	321.266291	36.612245	457.349	56.105765	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	103.356188	355.698	322.849708	35.063937	440.592	54.557457	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	105.055111	337.967	324.548631	33.357123	424.294	52.850643	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	106.748651	321.457	326.242172	31.595733	409.582	51.089254	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	106.870779	320.305	326.364299	31.466153	408.576	50.959674	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	108.808590	302.694	328.302110	29.367507	393.568	48.861028	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	110.888082	285.147	330.381602	27.046408	379.372	46.539928	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	113.136372	267.689	332.629893	24.491694	366.092	43.985214	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	115.587557	250.350	335.081077	21.695471	353.840	41.188992	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	118.284915	233.169	337.778435	18.654632	342.734	38.148152	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	121.283902	216.194	340.777422	15.372525	332.896	34.866046	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	124.656183	199.491	344.149703	11.860625	324.447	31.354145	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	128.494967	183.146	347.988487	8.139895	317.504	27.633415	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	132.921754	167.274	352.415274	4.241524	312.172	23.735045	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	138.094015	152.036	357.587535	0.206672	308.537	19.700192	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	144.211544	137.653	363.705064	396.084989	306.663	15.578509	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	151.514966	124.432	371.008486	391.931921	306.582	11.425442	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	160.261154	112.791	379.754674	387.805085	308.296	7.298605	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	170.648717	103.276	390.142237	383.760279	311.774	3.253800	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	178.651274	98.349	398.144794	381.085424	315.114	0.578945	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	182.669862	96.524	2.163382	379.847772	316.956	399.341292	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 410.900 Dis=-306.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	195.930021	93.178	15.423542	376.106910	323.724	395.600431	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	209.578024	93.698	29.071544	372.560831	331.892	392.054352	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	222.551464	98.117	42.044985	369.219182	341.273	388.712703	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	234.030374	106.033	53.523894	366.080880	351.684	385.574401	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	241.085753	113.454	60.579273	363.966140	359.629	383.459660	9.005

RECTA	580.000	302.737003	0.000	422067.422	4576128.606	243.674680	116.817	63.168200	363.136925	362.957	382.630445	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	251.544782	129.800	71.038303	360.376447	374.963	379.869967	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	257.906126	144.395	77.399646	357.791777	387.630	377.285297	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	263.058594	160.162	82.552115	355.374378	400.895	374.867898	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	267.265459	176.787	86.758979	353.114848	414.700	372.608369	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	270.736835	194.051	90.230356	351.003375	428.994	370.496896	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	273.633976	211.796	93.127497	349.030082	443.729	368.523602	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	276.078983	229.912	95.572504	347.185273	458.863	366.678793	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	278.164253	248.317	97.657773	345.459610	474.358	364.953130	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	279.960105	266.952	99.453626	343.844216	490.178	363.337736	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	281.520536	285.771	101.014057	342.330741	506.295	361.824261	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	282.887435	304.741	102.380956	340.911394	522.680	360.404914	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	284.093648	323.835	103.587168	339.578945	539.309	359.072465	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	285.165204	343.032	104.658724	338.326718	556.160	357.820238	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	286.122942	362.316	105.616462	337.148566	573.213	356.642086	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	286.983710	381.673	106.477230	336.038845	590.451	355.532365	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	287.761253	401.094	107.254774	334.992381	607.859	354.485901	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	288.466884	420.569	107.960404	334.004434	625.422	353.497954	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	289.109985	440.091	108.603505	333.070668	643.127	352.564188	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	289.698400	459.654	109.191920	332.187115	660.963	351.680635	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	290.238732	479.254	109.732252	331.350146	678.919	350.843666	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	290.502077	489.438	109.995598	330.933040	688.282	350.426560	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	290.736344	498.885	110.229864	330.556287	696.986	350.049807	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 410.900 Dis=-306.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	291.190250	518.554	110.683770	329.798630	715.136	349.292150	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	291.593953	538.271	111.087474	329.067014	733.322	348.560534	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	291.941560	558.046	111.435080	328.351985	751.501	347.845505	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	292.227932	577.881	111.721452	327.644950	769.629	347.138471	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	292.364792	589.471	111.858312	327.233411	780.156	346.726932	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	292.448702	597.777	111.942223	326.938220	787.665	346.431741	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	292.604368	617.721	112.097888	326.227837	805.580	345.721357	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	292.700592	637.698	112.194112	325.513837	823.372	345.007357	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	292.742721	657.693	112.236241	324.796472	841.037	344.289992	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	292.735516	677.692	112.229036	324.075975	858.573	343.569495	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	292.683221	697.684	112.176742	323.352554	875.976	342.846074	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	292.589634	717.656	112.083154	322.626401	893.243	342.119922	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	292.458154	737.599	111.951674	321.897693	910.373	341.391214	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	292.291833	757.503	111.785353	321.166591	927.363	340.660111	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	292.093417	777.359	111.586937	320.433242	944.209	339.926762	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	291.865383	797.159	111.358904	319.697783	960.909	339.191303	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	291.609968	816.894	111.103488	318.960340	977.460	338.453860	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	291.329195	836.559	110.822716	318.221029	993.860	337.714549	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	291.024903	856.145	110.518423	317.479956	1010.107	336.973477	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	290.698760	875.646	110.192280	316.737223	1026.197	336.230743	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	290.352286	895.057	109.845806	315.992921	1042.128	335.486441	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	289.986867	914.370	109.480387	315.247136	1057.898	334.740656	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	289.603771	933.581	109.097292	314.499948	1073.503	333.993468	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	289.204158	952.685	108.697679	313.751431	1088.943	333.244951	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	288.789092	971.675	108.282612	313.001655	1104.214	332.495175	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	288.359549	990.547	107.853069	312.250685	1119.313	331.744205	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	287.916429	1009.297	107.409949	311.498581	1134.239	330.992101	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	287.697640	1018.313	107.191161	311.134684	1141.390	330.628204	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 410.900 Dis=-306.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	287.460689	1027.919	106.954209	310.745493	1148.991	330.239013	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	286.995929	1046.430	106.489449	309.993490	1163.600	329.487010	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	286.527998	1064.864	106.021518	309.246328	1178.132	328.739848	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	286.062398	1083.257	105.555918	308.507637	1192.651	328.001157	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	285.604245	1101.647	105.097765	307.780900	1207.225	327.274420	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	285.358419	1111.722	104.851939	307.389496	1215.245	326.883016	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	285.158251	1120.071	104.651771	307.069454	1221.914	326.562975	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	284.726572	1138.547	104.220093	306.374892	1236.750	325.868412	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	284.308699	1157.073	103.802219	305.696875	1251.731	325.190396	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	283.904014	1175.649	103.397534	305.034968	1266.849	324.528488	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	283.511933	1194.270	103.005453	304.388741	1282.102	323.882261	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	283.131904	1212.935	102.625424	303.757772	1297.483	323.251292	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	282.763407	1231.641	102.256928	303.141647	1312.989	322.635167	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	282.405948	1250.388	101.899469	302.539959	1328.615	322.033479	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	282.059060	1269.173	101.552580	301.952311	1344.357	321.445831	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	281.722301	1287.995	101.215821	301.378313	1360.211	320.871834	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	281.395250	1306.852	100.888771	300.817587	1376.173	320.311107	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	281.077512	1325.742	100.571033	300.269760	1392.239	319.763280	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	280.768709	1344.665	100.262229	299.734470	1408.406	319.227991	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	280.468483	1363.618	99.962003	299.211367	1424.671	318.704887	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	280.176495	1382.600	99.670015	298.700106	1441.029	318.193626	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	279.892422	1401.611	99.385942	298.200353	1457.478	317.693874	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	279.615957	1420.649	99.109477	297.711785	1474.015	317.205305	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	279.346809	1439.713	98.840329	297.234085	1490.637	316.727605	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	279.084700	1458.803	98.578220	296.766946	1507.341	316.260466	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	278.829366	1477.916	98.322886	296.310071	1524.124	315.803591	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	278.580556	1497.052	98.074077	295.863171	1540.984	315.356691	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	278.338031	1516.211	97.831551	295.425965	1557.918	314.919486	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 410.900 Dis=-306.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	278.101561	1535.391	97.595081	294.998182	1574.925	314.491702	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	277.870930	1554.592	97.364450	294.579557	1592.000	314.073077	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	277.645929	1573.813	97.139449	294.169834	1609.144	313.663354	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	277.426360	1593.053	96.919880	293.768765	1626.352	313.262286	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	277.212034	1612.311	96.705554	293.376111	1643.624	312.869631	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	277.002770	1631.588	96.496290	292.991637	1660.957	312.485157	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	276.798395	1650.881	96.291915	292.615117	1678.349	312.108638	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	276.598744	1670.191	96.092264	292.246334	1695.799	311.739854	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	276.403658	1689.518	95.897179	291.885075	1713.304	311.378595	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	276.212987	1708.859	95.706508	291.531135	1730.864	311.024655	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	276.026586	1728.216	95.520106	291.184314	1748.476	310.677834	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	275.844315	1747.587	95.337835	290.844421	1766.138	310.337941	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	275.666042	1766.972	95.159563	290.511267	1783.850	310.004788	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	275.491640	1786.371	94.985160	290.184674	1801.610	309.678194	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	275.320986	1805.783	94.814506	289.864464	1819.417	309.357985	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	275.180156	1822.133	94.673677	289.599750	1834.441	309.093271	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	275.153907	1825.207	94.647427	289.550418	1837.268	309.043939	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	274.987460	1844.623	94.480981	289.239780	1855.124	308.733300	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	274.820061	1864.020	94.313582	288.931018	1872.964	308.424538	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	274.651740	1883.396	94.145260	288.624076	1890.788	308.117597	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	274.482525	1902.753	93.976045	288.318904	1908.594	307.812424	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	274.312444	1922.089	93.805965	288.015449	1926.384	307.508969	7.765

CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	273.141525	1941.405	93.635046	287.713663	1944.155	307.207184		7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	273.969793	1960.700	93.463314	287.413500	1961.909	306.907020		7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	273.797273	1979.974	93.290793	287.114913	1979.645	306.608433		7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	273.623987	1999.227	93.117508	286.817859	1997.363	306.311380		7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	273.449960	2018.458	92.943480	286.522297	2015.062	306.015817		7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	273.275212	2037.668	92.768733	286.228186	2032.741	305.721706		7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 410.900 Dis=-306.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	273.099765	2056.856	92.593286	285.935486	2050.402	305.429006	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	272.923639	2076.021	92.417160	285.644160	2068.043	305.137680	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	272.746853	2095.164	92.240374	285.354172	2085.664	304.847692	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	272.569427	2114.285	92.062947	285.065486	2103.265	304.559006	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	272.391377	2133.382	91.884897	284.778069	2120.845	304.271589	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	272.212721	2152.457	91.706242	284.491888	2138.405	303.985408	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	272.033477	2171.508	91.526997	284.206911	2155.944	303.700432	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	271.853659	2190.535	91.347179	283.923108	2173.462	303.416629	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	271.673284	2209.539	91.166804	283.640450	2190.958	303.133970	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	271.576024	2219.752	91.069544	283.488854	2200.362	302.982374	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	271.492752	2228.523	90.986272	283.359265	2208.440	302.852785	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	271.314752	2247.519	90.808272	283.082019	2225.955	302.575539	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	271.139737	2266.532	90.633257	282.809106	2243.511	302.302626	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	270.967635	2285.562	90.461155	282.540436	2261.108	302.033956	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	270.798376	2304.609	90.291897	282.275921	2278.745	301.769441	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	270.631894	2323.671	90.125414	282.015473	2296.420	301.508993	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	270.468122	2342.749	89.961642	281.759007	2314.133	301.252528	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	270.418428	2348.604	89.911948	281.681138	2319.573	301.174658	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	94.547867	483.419	216.653700	90.302702	645.510	12.408534	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	95.516826	464.766	217.622658	90.893329	626.400	12.999162	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	96.566548	446.229	218.672381	91.521071	607.347	13.626903	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	97.706921	427.824	219.812754	92.189403	588.357	14.295235	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	98.822994	411.347	220.928827	92.830426	571.284	14.936259	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	98.949379	409.568	221.055212	92.902230	569.436	15.008062	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	100.304014	391.474	222.409847	93.661593	550.584	15.767426	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	101.772771	373.525	223.878603	94.462544	531.779	16.568377	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	103.356188	355.698	225.462021	95.298091	512.990	17.403923	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	105.055111	337.967	227.160944	96.160250	494.189	18.266083	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	106.748651	321.457	228.854484	96.982061	476.576	19.087894	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	106.870779	320.305	228.976612	97.039811	475.343	19.145644	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	108.808590	302.694	230.914423	97.928636	456.431	20.034468	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	110.888082	285.147	232.993914	98.826119	437.449	20.931951	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	113.136372	267.689	235.242205	99.733473	418.402	21.839306	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	115.587557	250.350	237.693389	100.652150	399.292	22.757983	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	118.284915	233.169	240.390747	101.583899	380.123	23.689732	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	121.283902	216.194	243.389734	102.530848	360.897	24.636681	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	124.656183	199.491	246.762016	103.495615	341.618	25.601447	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	128.494967	183.146	250.600799	104.481452	322.290	26.587284	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	132.921754	167.274	255.027587	105.492454	302.916	27.598286	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	138.094015	152.036	260.199847	106.533850	283.499	28.639682	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	144.211544	137.653	266.317377	107.612421	264.045	29.718254	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	151.514966	124.432	273.620798	108.737126	244.555	30.842959	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	160.261154	112.791	282.366986	109.920045	225.037	32.025877	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	170.648717	103.276	292.754550	111.177868	205.494	33.283700	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	178.651274	98.349	300.757107	112.086702	192.208	34.192534	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	182.669862	96.524	304.775694	112.534501	185.933	34.640333	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	195.930021	93.178	318.035854	114.038418	166.370	36.144250	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	209.578024	93.698	331.683856	115.787883	146.836	37.893715	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	222.551464	98.117	344.657297	117.942830	127.380	40.048663	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	234.030374	106.033	356.136207	120.774802	108.073	42.880634	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	241.085753	113.454	363.191585	123.460876	94.490	45.566708	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	243.674680	116.817	365.780512	124.778782	89.048	46.884614	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	251.544782	129.800	373.650615	130.911705	70.562	53.017538	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	257.906126	144.395	380.011958	141.209451	53.183	63.315283	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	263.058594	160.162	385.164427	160.313894	38.443	82.419727	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	267.265459	176.787	389.371291	194.849121	30.452	116.954953	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	270.736835	194.051	392.842668	234.124876	34.305	156.230708	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	273.633976	211.796	395.739809	258.486095	47.183	180.591927	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	276.078983	229.912	398.184816	271.346502	63.841	193.452335	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	278.164253	248.317	0.270086	278.712004	82.007	200.817836	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	279.960105	266.952	2.065938	283.367466	100.869	205.473299	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	281.520536	285.771	3.626369	286.544806	120.100	208.650639	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	282.887435	304.741	4.993268	288.841031	139.548	210.946864	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	284.093648	323.835	6.199481	290.573880	159.132	212.679712	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	285.165204	343.032	7.271036	291.926183	178.809	214.032016	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	286.122942	362.316	8.228775	293.009988	198.550	215.115821	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	286.983710	381.673	9.089543	293.897560	218.338	216.003392	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	287.761253	401.094	9.867086	294.637500	238.161	216.743333	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	288.466884	420.569	10.572716	295.263657	258.012	217.369489	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	289.109985	440.091	11.215817	295.800303	277.885	217.906135	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	289.698400	459.654	11.804233	296.265289	297.774	218.371122	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	290.238732	479.254	12.344564	296.672031	317.677	218.777863	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	290.502077	489.438	12.607910	296.863655	328.011	218.969487	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	290.736344	498.885	12.842176	297.030454	337.592	219.136287	9.017

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PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	291.190250	518.554	13.296083	297.340122	357.520	219.445955	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	291.593953	538.271	13.699786	297.592551	377.467	219.698383	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	291.941560	558.046	14.047392	297.780567	397.434	219.886399	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	292.227932	577.881	14.333764	297.898356	417.420	220.004188	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	292.364792	589.471	14.470625	297.932691	429.075	220.038524	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	292.448702	597.777	14.554535	297.941341	437.417	220.047173	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	292.604368	617.721	14.710201	297.911608	457.416	220.017441	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	292.700592	637.698	14.806424	297.817877	477.403	219.923710	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	292.742721	657.693	14.848554	297.667908	497.370	219.773741	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	292.735516	677.692	14.841348	297.468276	517.306	219.574109	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	292.683221	697.684	14.789054	297.224586	537.203	219.330418	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	292.589634	717.656	14.695467	296.941643	557.054	219.047475	8.785

CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	292.458154	737.599	14.563986	296.623586	576.852	218.729419	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	292.291833	757.503	14.397665	296.274003	596.591	218.379835	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	292.093417	777.359	14.199250	295.896010	616.263	218.001843	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	291.865383	797.159	13.971216	295.492336	635.865	217.598169	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	291.609968	816.894	13.715800	295.065372	655.390	217.171204	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	291.329195	836.559	13.435028	294.617224	674.834	216.723057	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	291.024903	856.145	13.130736	294.149757	694.192	216.255590	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	290.698760	875.646	12.804592	293.664623	713.459	215.770456	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	290.352286	895.057	12.458118	293.163295	732.631	215.269128	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	289.986867	914.370	12.092700	292.647088	751.704	214.752920	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	289.603771	933.581	11.709604	292.117178	770.673	214.223010	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	289.204158	952.685	11.309991	291.574623	789.535	213.680456	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	288.789092	971.675	10.894924	291.020378	808.287	213.126210	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	288.359549	990.547	10.465382	290.455302	826.923	212.561134	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	287.916429	1009.297	10.022261	289.880174	845.441	211.986007	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	287.697640	1018.313	9.803473	289.598812	854.348	211.704645	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	287.460689	1027.919	9.566522	289.295856	863.838	211.401688	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	286.995929	1046.430	9.101761	288.706311	882.131	210.812144	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	286.527998	1064.864	8.633830	288.118121	900.358	210.223954	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	286.062398	1083.257	8.168231	287.537419	918.556	209.643252	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	285.604245	1101.647	7.710077	286.969859	936.766	209.075692	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	285.358419	1111.722	7.464252	286.666743	946.750	208.772576	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	285.158251	1120.071	7.264083	286.420604	955.026	208.526436	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	284.726572	1138.547	6.832405	285.891833	973.352	207.997666	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	284.308699	1157.073	6.414532	285.382640	991.744	207.488473	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	283.904014	1175.649	6.009846	284.892019	1010.196	206.997851	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	283.511933	1194.270	5.617765	284.419026	1028.707	206.524859	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	283.131904	1212.935	5.237737	283.962779	1047.272	206.068612	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	282.763407	1231.641	4.869240	283.522448	1065.889	205.628281	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	282.405948	1250.388	4.511781	283.097255	1084.556	205.203087	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	282.059060	1269.173	4.164893	282.686467	1103.269	204.792299	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	281.722301	1287.995	3.828133	282.289398	1122.026	204.395230	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	281.395250	1306.852	3.501083	281.905401	1140.826	204.011233	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	281.077512	1325.742	3.183345	281.533868	1159.666	203.639700	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	280.768709	1344.665	2.874542	281.174225	1178.544	203.280057	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	280.468483	1363.618	2.574316	280.825933	1197.458	202.931765	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	280.176495	1382.600	2.282328	280.488482	1216.408	202.594315	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	279.892422	1401.611	1.998254	280.161393	1235.390	202.267226	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	279.615957	1420.649	1.721789	279.844212	1254.404	201.950044	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	279.346809	1439.713	1.452641	279.536510	1273.448	201.642342	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	279.084700	1458.803	1.190532	279.237882	1292.521	201.343714	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	278.829366	1477.916	0.935199	278.947945	1311.622	201.053778	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	278.580556	1497.052	0.686389	278.666338	1330.749	200.772171	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	278.338031	1516.211	0.443863	278.392716	1349.901	200.498549	9.839

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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	278.101561	1535.391	0.207394	278.126755	1369.078	200.232588	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	277.870930	1554.592	399.976762	277.868146	1388.278	199.973978	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	277.645929	1573.813	399.751761	277.616596	1407.500	199.722429	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	277.426360	1593.053	399.532192	277.371828	1426.744	199.477661	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	277.212034	1612.311	399.317866	277.133579	1446.008	199.239412	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	277.002770	1631.588	399.108602	276.901597	1465.292	199.007430	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	276.798395	1650.881	398.904228	276.675645	1484.594	198.781478	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	276.598744	1670.191	398.704576	276.455496	1503.915	198.561329	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	276.403658	1689.518	398.509491	276.240934	1523.254	198.346767	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	276.212987	1708.859	398.318820	276.031754	1542.609	198.137587	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	276.026586	1728.216	398.132418	275.827761	1561.981	197.933593	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	275.844315	1747.587	397.950148	275.628767	1581.368	197.734599	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	275.666042	1766.972	397.771875	275.434595	1600.771	197.540428	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	275.491640	1786.371	397.597473	275.245076	1620.187	197.350908	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	275.320986	1805.783	397.426819	275.060046	1639.618	197.165879	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	275.180156	1822.133	397.285989	274.907664	1655.985	197.013496	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	275.153907	1825.207	397.259739	274.879291	1659.062	196.985123	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	274.987460	1844.623	397.093293	274.699548	1678.499	196.805381	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	274.820061	1864.020	396.925894	274.519063	1697.918	196.624895	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	274.651740	1883.396	396.757572	274.337860	1717.319	196.443693	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	274.482525	1902.753	396.588357	274.155965	1736.700	196.261798	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	274.312444	1922.089	396.418277	273.973402	1756.063	196.079234	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	274.141525	1941.405	396.247358	273.790192	1775.407	195.896025	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	273.969793	1960.700	396.075626	273.606357	1794.731	195.712190	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	273.797273	1979.974	395.903105	273.421919	1814.036	195.527751	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	273.623987	1999.227	395.729820	273.236895	1833.321	195.342728	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	273.449960	2018.458	395.555793	273.051306	1852.586	195.157139	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	273.275212	2037.668	395.381045	272.865170	1871.830	194.971003	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907
Distancia: 166.314 Azimut: 277.894167
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	273.099765	2056.856	395.205598	272.678503	1891.054	194.784336	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	272.923639	2076.021	395.029472	272.491323	1910.258	194.597155	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	272.746853	2095.164	394.852686	272.303644	1929.440	194.409477	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	272.569427	2114.285	394.675259	272.115483	1948.601	194.221315	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	272.391377	2133.382	394.497209	271.926854	1967.741	194.032686	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	272.212721	2152.457	394.318554	271.737771	1986.860	193.843603	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	272.033477	2171.508	394.139309	271.548247	2005.956	193.654079	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	271.853659	2190.535	393.959492	271.358296	2025.031	193.464128	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	271.673284	2209.539	393.779116	271.167929	2044.083	193.273762	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	271.576024	2219.752	393.681856	271.065352	2054.323	193.171185	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	271.492752	2228.523	393.598585	270.977578	2063.117	193.083410	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	271.314752	2247.519	393.420584	270.790146	2082.163	192.895978	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	271.139737	2266.532	393.245569	270.606113	2101.227	192.711946	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	270.967635	2285.562	393.073467	270.425391	2120.309	192.531224	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	270.798376	2304.609	392.904209	270.247895	2139.407	192.353727	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	270.631894	2323.671	392.737726	270.073541	2158.521	192.179373	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	270.468122	2342.749	392.573954	269.902248	2177.651	192.008081	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	270.418428	2348.604	392.524260	269.850317	2183.522	191.956149	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	90.302702	645.510	12.408534	94.547867	483.419	216.653700	8.129

Istram 21.04
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Distancia: 166.314 Azimut: 77.894167
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	90.302702	645.510	12.408534	94.547867	483.419	216.653700	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	90.893329	626.400	12.999162	95.516826	464.766	217.622658	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	91.521071	607.347	13.626903	96.566548	446.229	218.672381	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	92.189403	588.357	14.295235	97.706921	427.824	219.812754	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	92.830426	571.284	14.936259	98.822994	411.347	220.928827	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	92.902230	569.436	15.008062	98.949379	409.568	221.055212	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	93.661593	550.584	15.767426	100.304014	391.474	222.409847	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	94.462544	531.779	16.568377	101.772771	373.525	223.878603	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	95.298091	512.990	17.403923	103.356188	355.698	225.462021	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	96.160250	494.189	18.266083	105.055111	337.967	227.160944	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	96.982061	476.576	19.087894	106.748651	321.457	228.854484	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	97.039811	475.343	19.145644	106.870779	320.305	228.976612	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	97.928636	456.431	20.034468	108.808590	302.694	230.914423	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	98.826119	437.449	20.931951	110.888082	285.147	232.993914	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	99.733473	418.402	21.839306	113.136372	267.689	235.242205	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	100.652150	399.292	22.757983	115.587557	250.350	237.693389	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	101.583899	380.123	23.689732	118.284915	233.169	240.390747	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	102.530848	360.897	24.636681	121.283902	216.194	243.389734	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	103.495615	341.618	25.601447	124.656183	199.491	246.762016	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	104.481452	322.290	26.587284	128.494967	183.146	250.600799	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	105.492454	302.916	27.598286	132.921754	167.274	255.027587	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	106.533850	283.499	28.639682	138.094015	152.036	260.199847	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	107.612421	264.045	29.718254	144.211544	137.653	266.317377	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	108.737126	244.555	30.842959	151.514966	124.432	273.620798	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	109.920045	225.037	32.025877	160.261154	112.791	282.366986	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	111.177868	205.494	33.283700	170.648717	103.276	292.754550	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	112.086702	192.208	34.192534	178.651274	98.349	300.757107	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	112.534501	185.933	34.640333	182.669862	96.524	304.775694	8.535

Istram 21.04
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	114.038418	166.370	36.144250	195.930021	93.178	318.035854	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	115.787883	146.836	37.893715	209.578024	93.698	331.683856	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	117.942830	127.380	40.048663	222.551464	98.117	344.657297	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	120.774802	108.073	42.880634	234.030374	106.033	356.136207	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	123.460876	94.490	45.566708	241.085753	113.454	363.191585	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	124.778782	89.048	46.884614	243.674680	116.817	365.780512	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	130.911705	70.562	53.017538	251.544782	129.800	373.650615	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	141.209451	53.183	63.315283	257.906126	144.395	380.011958	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	160.313894	38.443	82.419727	263.058594	160.162	385.164427	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	194.849121	30.452	116.954953	267.265459	176.787	389.371291	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	234.124876	34.305	156.230708	270.736835	194.051	392.842668	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	258.486095	47.183	180.591927	273.633976	211.796	395.739809	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	271.346502	63.841	193.452335	276.078983	229.912	398.184816	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	278.712004	82.007	200.817836	278.164253	248.317	0.270086	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	283.367466	100.869	205.473299	279.960105	266.952	2.065938	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	286.544806	120.100	208.650639	281.520536	285.771	3.626369	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	288.841031	139.548	210.946864	282.887435	304.741	4.993268	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	290.573880	159.132	212.679712	284.093648	323.835	6.199481	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	291.926183	178.809	214.032016	285.165204	343.032	7.271036	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	293.009988	198.550	215.115821	286.122942	362.316	8.228775	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	293.897560	218.338	216.003392	286.983710	381.673	9.089543	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	294.637500	238.161	216.743333	287.761253	401.094	9.867086	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	295.263657	258.012	217.369489	288.466884	420.569	10.572716	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	295.800303	277.885	217.906135	289.109985	440.091	11.215817	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	296.265289	297.774	218.371122	289.698400	459.654	11.804233	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	296.672031	317.677	218.777863	290.238732	479.254	12.344564	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	296.863655	328.011	218.969487	290.502077	489.438	12.607910	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	297.030454	337.592	219.136287	290.736344	498.885	12.842176	9.017

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	297.340122	357.520	219.445955	291.190250	518.554	13.296083	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	297.592551	377.467	219.698383	291.593953	538.271	13.699786	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	297.780567	397.434	219.886399	291.941560	558.046	14.047392	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	297.898356	417.420	220.004188	292.227932	577.881	14.333764	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	297.932691	429.075	220.038524	292.364792	589.471	14.470625	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	297.941341	437.417	220.047173	292.448702	597.777	14.554535	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	297.911608	457.416	220.017441	292.604368	617.721	14.710201	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	297.817877	477.403	219.923710	292.700592	637.698	14.806424	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	297.667908	497.370	219.773741	292.742721	657.693	14.848554	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	297.468276	517.306	219.574109	292.735516	677.692	14.841348	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	297.224586	537.203	219.330418	292.683221	697.684	14.789054	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	296.941643	557.054	219.047475	292.589634	717.656	14.695467	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	296.623586	576.852	218.729419	292.458154	737.599	14.563986	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	296.274003	596.591	218.379835	292.291833	757.503	14.397665	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	295.896010	616.263	218.001843	292.093417	777.359	14.199250	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	295.492336	635.865	217.598169	291.865383	797.159	13.971216	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	295.065372	655.390	217.171204	291.609968	816.894	13.715800	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	294.617224	674.834	216.723057	291.329195	836.559	13.435028	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	294.149757	694.192	216.255590	291.024903	856.145	13.130736	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	293.664623	713.459	215.770456	290.698760	875.646	12.804592	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	293.163295	732.631	215.269128	290.352286	895.057	12.458118	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	292.647088	751.704	214.752920	289.986867	914.370	12.092700	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	292.117178	770.673	214.223010	289.603771	933.581	11.709604	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	291.574623	789.535	213.680456	289.204158	952.685	11.309991	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	291.020378	808.287	213.126210	288.789092	971.675	10.894924	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	290.455302	826.923	212.561134	288.359549	990.547	10.465382	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	289.880174	845.441	211.986007	287.916429	1009.297	10.022261	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	289.598812	854.348	211.704645	287.697640	1018.313	9.803473	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	289.295856	863.838	211.401688	287.460689	1027.919	9.566522	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	288.706311	882.131	210.812144	286.995929	1046.430	9.101761	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	288.118121	900.358	210.223954	286.527998	1064.864	8.633830	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	287.537419	918.556	209.643252	286.062398	1083.257	8.168231	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	286.969859	936.766	209.075692	285.604245	1101.647	7.710077	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	286.666743	946.750	208.772576	285.358419	1111.722	7.464252	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	286.420604	955.026	208.526436	285.158251	1120.071	7.264083	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	285.891833	973.352	207.997666	284.726572	1138.547	6.832405	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	285.382640	991.744	207.488473	284.308699	1157.073	6.414532	9.318

RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	284.892019	1010.196	206.997851	283.904014	1175.649	6.009846	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	284.419026	1028.707	206.524859	283.511933	1194.270	5.617765	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	283.962779	1047.272	206.068612	283.131904	1212.935	5.237737	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	283.522448	1065.889	205.628281	282.763407	1231.641	4.869240	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	283.097255	1084.556	205.203087	282.405948	1250.388	4.511781	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	282.686467	1103.269	204.792299	282.059060	1269.173	4.164893	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	282.289398	1122.026	204.395230	281.722301	1287.995	3.828133	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	281.905401	1140.826	204.011233	281.395250	1306.852	3.501083	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	281.533868	1159.666	203.639700	281.077512	1325.742	3.183345	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	281.174225	1178.544	203.280057	280.768709	1344.665	2.874542	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	280.825933	1197.458	202.931765	280.468483	1363.618	2.574316	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	280.488482	1216.408	202.594315	280.176495	1382.600	2.282328	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	280.161393	1235.390	202.267226	279.892422	1401.611	1.998254	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	279.844212	1254.404	201.950044	279.615957	1420.649	1.721789	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	279.536510	1273.448	201.642342	279.346809	1439.713	1.452641	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	279.237882	1292.521	201.343714	279.084700	1458.803	1.190532	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	278.947945	1311.622	201.053778	278.829366	1477.916	0.935199	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	278.666338	1330.749	200.772171	278.580556	1497.052	0.686389	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	278.392716	1349.901	200.498549	278.338031	1516.211	0.443863	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	278.126755	1369.078	200.232588	278.101561	1535.391	0.207394	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	277.868146	1388.278	199.973978	277.870930	1554.592	399.976762	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	277.616596	1407.500	199.722429	277.645929	1573.813	399.751761	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	277.371828	1426.744	199.477661	277.426360	1593.053	399.532192	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	277.133579	1446.008	199.239412	277.212034	1612.311	399.317866	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	276.901597	1465.292	199.007430	277.002770	1631.588	399.108602	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	276.675645	1484.594	198.781478	276.798395	1650.881	398.904228	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	276.455496	1503.915	198.561329	276.598744	1670.191	398.704576	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	276.240934	1523.254	198.346767	276.403658	1689.518	398.509491	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	276.031754	1542.609	198.137587	276.212987	1708.859	398.318820	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	275.827761	1561.981	197.933593	276.026586	1728.216	398.132418	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	275.628767	1581.368	197.734599	275.844315	1747.587	397.950148	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	275.434595	1600.771	197.540428	275.666042	1766.972	397.771875	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	275.245076	1620.187	197.350908	275.491640	1786.371	397.597473	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	275.060046	1639.618	197.165879	275.320986	1805.783	397.426819	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	274.907664	1655.985	197.013496	275.180156	1822.133	397.285989	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	274.879291	1659.062	196.985123	275.153907	1825.207	397.259739	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	274.699548	1678.499	196.805381	274.987460	1844.623	397.093293	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	274.519063	1697.918	196.624895	274.820061	1864.020	396.925894	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	274.337860	1717.319	196.443693	274.651740	1883.396	396.757572	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	274.155965	1736.700	196.261798	274.482525	1902.753	396.588357	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	273.973402	1756.063	196.079234	274.312444	1922.089	396.418277	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	273.790192	1775.407	195.896025	274.141525	1941.405	396.247358	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	273.606357	1794.731	195.712190	273.969793	1960.700	396.075626	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	273.421919	1814.036	195.527751	273.797273	1979.974	395.903105	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	273.236895	1833.321	195.342728	273.623987	1999.227	395.729820	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	273.051306	1852.586	195.157139	273.449960	2018.458	395.555793	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	272.865170	1871.830	194.971003	273.275212	2037.668	395.381045	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 507.393 Dis= 92.907

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	272.678503	1891.054	194.784336	273.099765	2056.856	395.205598	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	272.491323	1910.258	194.597155	272.923639	2076.021	395.029472	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	272.303644	1929.440	194.409477	272.746853	2095.164	394.852686	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	272.115483	1948.601	194.221315	272.569427	2114.285	394.675259	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	271.926854	1967.741	194.032686	272.391377	2133.382	394.497209	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	271.737771	1986.860	193.843603	272.212721	2152.457	394.318554	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	271.548247	2005.956	193.654079	272.033477	2171.508	394.139309	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	271.358296	2025.031	193.464128	271.853659	2190.535	393.959492	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	271.167929	2044.083	193.273762	271.673284	2209.539	393.779116	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	271.065352	2054.323	193.171185	271.576024	2219.752	393.681856	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	270.977578	2063.117	193.083410	271.492752	2228.523	393.598585	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	270.790146	2082.163	192.895978	271.314752	2247.519	393.420584	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	270.606113	2101.227	192.711946	271.139737	2266.532	393.245569	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	270.425391	2120.309	192.531224	270.967635	2285.562	393.073467	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	270.247895	2139.407	192.353727	270.798376	2304.609	392.904209	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	270.073541	2158.521	192.179373	270.631894	2323.671	392.737726	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	269.902248	2177.651	192.008081	270.468122	2342.749	392.573954	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	269.850317	2183.522	191.956149	270.418428	2348.604	392.524260	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	90.302702	645.510	184.252842	98.682631	1368.777	392.632771	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	90.893329	626.400	184.843470	99.072586	1350.594	393.022726	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	91.521071	607.347	185.471211	99.473169	1332.463	393.423309	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	92.189403	588.357	186.139543	99.884788	1314.385	393.834928	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	92.830426	571.284	186.780566	100.265968	1298.125	394.216108	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	92.902230	569.436	186.852370	100.307867	1296.365	394.258007	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	93.661593	550.584	187.611734	100.741887	1278.393	394.692027	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	94.462544	531.779	188.412684	101.183371	1260.435	395.133512	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	95.298091	512.990	189.248231	101.628114	1242.447	395.578254	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	96.160250	494.189	190.110390	102.071650	1224.387	396.021790	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	96.982061	476.576	190.932201	102.480926	1207.406	396.431067	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	97.039811	475.343	190.989951	102.509211	1206.216	396.459351	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	97.928636	456.431	191.878776	102.936635	1187.902	396.886775	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	98.826119	437.449	192.776259	103.352694	1169.445	397.302835	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	99.733473	418.402	193.683613	103.756751	1150.851	397.706891	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	100.652150	399.292	194.602290	104.148121	1132.123	398.098261	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	101.583899	380.123	195.534039	104.526071	1113.266	398.476211	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	102.530848	360.897	196.480989	104.889813	1094.287	398.839953	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	103.495615	341.618	197.445755	105.238500	1075.190	399.188640	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	104.481452	322.290	198.431592	105.571219	1055.982	399.521359	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	105.492454	302.916	199.442594	105.886987	1036.667	399.837127	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	106.533850	283.499	200.483990	106.184742	1017.253	0.134882	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	107.612421	264.045	201.562561	106.463339	997.746	0.413479	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	108.737126	244.555	202.687266	106.721537	978.152	0.671678	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	109.920045	225.037	203.870185	106.957994	958.478	0.908134	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	111.177868	205.494	205.128008	107.171253	938.733	1.121394	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	112.086702	192.208	206.036842	107.302087	925.283	1.252227	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	112.534501	185.933	206.484641	107.359772	918.923	1.309912	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO PK Estac. Azimut Dis.Eje X Y Ang.Azimu. Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO) COTA

CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	114.038418	166.370	207.988558	107.524381	899.062	1.474521	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	115.787883	146.836	209.738023	107.670122	879.166	1.620262	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	117.942830	127.380	211.892970	107.802921	859.249	1.753061	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	120.774802	108.073	214.724942	107.929286	839.320	1.879426	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	123.460876	94.490	217.411016	108.019226	825.132	1.969366	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	124.778782	89.048	218.728922	108.056339	819.389	2.006479	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	130.911705	70.562	224.861846	108.189258	799.460	2.139398	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	141.209451	53.183	235.159591	108.328972	779.535	2.279112	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	160.313894	38.443	254.264035	108.476014	759.614	2.426154	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	194.849121	30.452	288.799261	108.630976	739.698	2.581116	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	234.124876	34.305	328.075016	108.794513	719.786	2.744653	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	258.486095	47.183	352.436235	108.967353	699.879	2.917494	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	271.346502	63.841	365.296642	109.150313	679.977	3.100453	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	278.712004	82.007	372.662144	109.344303	660.082	3.294443	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	283.367466	100.869	377.317607	109.550349	640.193	3.500489	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	286.544806	120.100	380.494947	109.769606	620.311	3.719746	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	288.841031	139.548	382.791172	110.003380	600.437	3.953520	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	290.573880	159.132	384.524020	110.253155	580.572	4.203295	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	291.926183	178.809	385.876323	110.520625	560.716	4.470765	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	293.009988	198.550	386.960128	110.807728	540.871	4.757868	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	293.897560	218.338	387.847700	111.116694	521.037	5.066835	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	294.637500	238.161	388.587641	111.450105	501.217	5.400245	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	295.263657	258.012	389.213797	111.810959	481.412	5.761099	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	295.800303	277.885	389.750443	112.202764	461.623	6.152904	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	296.265289	297.774	390.215430	112.629647	441.854	6.579787	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	296.672031	317.677	390.622171	113.096495	422.106	7.046635	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	296.863655	328.011	390.813795	113.356409	411.868	7.306549	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	297.030454	337.592	390.980594	113.609422	402.384	7.559562	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	297.340122	357.520	391.290263	114.183308	382.699	8.133448	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	297.592551	377.467	391.542691	114.844459	363.078	8.794600	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	297.780567	397.434	391.730707	115.625271	343.552	9.575412	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	297.898356	417.420	391.848496	116.565314	324.169	10.515454	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	297.932691	429.075	391.882831	117.205514	312.961	11.155654	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	297.941341	437.417	391.891481	117.712836	304.990	11.662976	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	297.911608	457.416	391.861748	119.118209	286.083	13.068349	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	297.817877	477.403	391.768017	120.831741	267.521	14.781881	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	297.667908	497.370	391.618048	122.914362	249.395	16.864502	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	297.468276	517.306	391.418416	125.440382	231.817	19.390522	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	297.224586	537.203	391.174726	128.499241	214.936	22.449381	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	296.941643	557.054	390.891783	132.195765	198.940	26.145905	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	296.623586	576.852	390.573726	136.646755	184.073	30.596895	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	296.274003	596.591	390.224143	141.970137	170.638	35.920277	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	295.896010	616.263	389.846151	148.261403	159.010	42.211543	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	295.492336	635.865	389.442476	155.553107	149.618	49.503247	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	295.065372	655.390	389.015512	163.761520	142.910	57.711661	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	294.617224	674.834	388.567364	172.643237	139.279	66.593377	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	294.149757	694.192	388.099897	181.801680	138.968	75.751820	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	293.664623	713.459	387.614764	190.767959	141.999	84.718099	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	293.163295	732.631	387.113436	199.123989	148.166	93.074130	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	292.647088	751.704	386.597228	206.595483	157.096	100.545623	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	292.117178	770.673	386.067318	213.071608	168.345	107.021748	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	291.574623	789.535	385.524763	218.567625	181.476	112.517765	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	291.020378	808.287	384.970518	223.170978	196.104	117.121119	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	290.455302	826.923	384.405442	226.997695	211.911	120.947835	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	289.880174	845.441	383.830314	230.165900	228.645	124.116040	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	289.598812	854.348	383.548952	231.493558	237.003	125.443698	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	289.295856	863.838	383.245996	232.783566	246.105	126.733706	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	288.706311	882.131	382.656451	234.954018	264.117	128.904158	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	288.118121	900.358	382.068261	236.772782	282.531	130.722922	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	287.537419	918.556	381.487560	238.318151	301.236	132.268291	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	286.969859	936.766	380.919999	239.653418	320.145	133.603558	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	286.666743	946.750	380.616884	240.313937	330.556	134.264077	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	286.420604	955.026	380.370744	240.829357	339.197	134.779498	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	285.891833	973.352	379.841973	241.879452	358.352	135.829592	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	285.382640	991.744	379.332780	242.822753	377.595	136.772893	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	284.892019	1010.196	378.842159	243.674404	396.913	137.624544	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	284.419026	1028.707	378.369167	244.446879	416.295	138.397019	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	283.962779	1047.272	377.912920	245.150529	435.733	139.100669	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	283.522448	1065.889	377.472588	245.794010	455.220	139.744150	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	283.097255	1084.556	377.047395	246.384606	474.749	140.334746	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	282.686467	1103.269	376.636607	246.928489	494.316	140.878630	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	282.289398	1122.026	376.239538	247.430920	513.917	141.381061	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	281.905401	1140.826	375.855541	247.896408	533.547	141.846548	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	281.533868	1159.666	375.484008	248.328838	553.204	142.278978	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	281.174225	1178.544	375.124365	248.731575	572.884	142.681715	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	280.825933	1197.458	374.776073	249.107546	592.586	143.057686	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	280.488482	1216.408	374.438622	249.459310	612.307	143.409450	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	280.161393	1235.390	374.111533	249.789113	632.045	143.739253	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	279.844212	1254.404	373.794352	250.098933	651.800	144.049073	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	279.536510	1273.448	373.486650	250.390519	671.569	144.340659	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	279.237882	1292.521	373.188022	250.665423	691.351	144.615563	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	278.947945	1311.622	372.898086	250.925028	711.146	144.875168	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	278.666338	1330.749	372.616478	251.170569	730.952	145.120709	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	278.392716	1349.901	372.342856	251.403151	750.768	145.353291	9.839

Istram 21.04
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Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	278.126755	1369.078	372.076895	251.623769	770.593	145.573909	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	277.868146	1388.278	371.818286	251.833316	790.428	145.783457	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	277.616596	1407.500	371.566736	252.032603	810.270	145.982743	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	277.371828	1426.744	371.321969	252.222361	830.120	146.172501	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	277.133579	1446.008	371.083719	252.403254	849.977	146.353394	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	276.901597	1465.292	370.851737	252.575887	869.841	146.526027	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	276.675645	1484.594	370.625785	252.740810	889.711	146.690950	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	276.455496	1503.915	370.405636	252.898527	909.586	146.848667	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	276.240934	1523.254	370.191074	253.049498	929.467	146.999638	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	276.031754	1542.609	369.981894	253.194145	949.353	147.144285	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	275.827761	1561.981	369.777901	253.332855	969.243	147.282995	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	275.628767	1581.368	369.578907	253.465987	989.138	147.416127	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	275.434595	1600.771	369.384735	253.593868	1009.037	147.544008	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	275.245076	1620.187	369.195216	253.716802	1028.940	147.666942	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	275.060046	1639.618	369.010187	253.835070	1048.847	147.785210	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	274.907664	1655.985	368.857804	253.931198	1065.606	147.881338	8.280

CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	274.879291	1659.062	368.829431	253.948833	1068.757	147.898973		8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	274.699548	1678.499	368.649688	254.053420	1088.678	148.003561		8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	274.519063	1697.918	368.469203	254.146618	1108.614	148.096758		8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	274.337860	1717.319	368.288000	254.229023	1128.561	148.179163		7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	274.155965	1736.700	368.106106	254.301192	1148.519	148.251332		7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	273.973402	1756.063	367.923542	254.363643	1168.487	148.313783		7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	273.790192	1775.407	367.740332	254.416864	1188.463	148.367004		7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	273.606357	1794.731	367.556498	254.461308	1208.445	148.411448		7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	273.421919	1814.036	367.372059	254.497401	1228.433	148.447541		7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	273.236895	1833.321	367.187036	254.525542	1248.426	148.475682		7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	273.051306	1852.586	367.001447	254.546106	1268.421	148.496246		7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	272.865170	1871.830	366.815310	254.559445	1288.420	148.509585		7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	272.678503	1891.054	366.628643	254.565888	1308.419	148.516028	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	272.491323	1910.258	366.441463	254.565748	1328.419	148.515888	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	272.303644	1929.440	366.253784	254.559318	1348.419	148.509458	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	272.115483	1948.601	366.065623	254.546872	1368.417	148.497012	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	271.926854	1967.741	365.876994	254.528672	1388.413	148.478812	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	271.737771	1986.860	365.687911	254.504964	1408.406	148.455104	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	271.548247	2005.956	365.498387	254.475979	1428.396	148.426120	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	271.358296	2025.031	365.308436	254.441938	1448.381	148.392078	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	271.167929	2044.083	365.118069	254.403047	1468.361	148.353187	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	271.065352	2054.323	365.015492	254.380189	1479.107	148.330329	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	270.977578	2063.117	364.927718	254.360112	1488.336	148.310252	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	270.790146	2082.163	364.740286	254.317500	1508.311	148.267640	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	270.606113	2101.227	364.556253	254.276003	1528.286	148.226143	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	270.425391	2120.309	364.375532	254.235576	1548.262	148.185716	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	270.247895	2139.407	364.198035	254.196179	1568.239	148.146319	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	270.073541	2158.521	364.023681	254.157773	1588.217	148.107913	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	269.902248	2177.651	363.852389	254.120321	1608.194	148.070462	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	269.850317	2183.522	363.800457	254.109021	1614.321	148.059161	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	98.682631	1368.777	392.632771	90.302702	645.510	184.252842	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	99.072586	1350.594	393.022726	90.893329	626.400	184.843470	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	99.473169	1332.463	393.423309	91.521071	607.347	185.471211	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	99.884788	1314.385	393.834928	92.189403	588.357	186.139543	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	100.265968	1298.125	394.216108	92.830426	571.284	186.780566	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	100.307867	1296.365	394.258007	92.902230	569.436	186.852370	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	100.741887	1278.393	394.692027	93.661593	550.584	187.611734	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	101.183371	1260.435	395.133512	94.462544	531.779	188.412684	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	101.628114	1242.447	395.578254	95.298091	512.990	189.248231	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	102.071650	1224.387	396.021790	96.160250	494.189	190.110390	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	102.480926	1207.406	396.431067	96.982061	476.576	190.932201	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	102.509211	1206.216	396.459351	97.039811	475.343	190.989951	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	102.936635	1187.902	396.886775	97.928636	456.431	191.878776	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	103.352694	1169.445	397.302835	98.826119	437.449	192.776259	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	103.756751	1150.851	397.706891	99.733473	418.402	193.683613	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	104.148121	1132.123	398.098261	100.652150	399.292	194.602290	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	104.526071	1113.266	398.476211	101.583899	380.123	195.534039	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	104.889813	1094.287	398.839953	102.530848	360.897	196.480989	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	105.238500	1075.190	399.188640	103.495615	341.618	197.445755	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	105.571219	1055.982	399.521359	104.481452	322.290	198.431592	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	105.886987	1036.667	399.837127	105.492454	302.916	199.442594	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	106.184742	1017.253	0.134882	106.533850	283.499	200.483990	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	106.463339	997.746	0.413479	107.612421	264.045	201.562561	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	106.721537	978.152	0.671678	108.737126	244.555	202.687266	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	106.957994	958.478	0.908134	109.920045	225.037	203.870185	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	107.171253	938.733	1.121394	111.177868	205.494	205.128008	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	107.302087	925.283	1.252227	112.086702	192.208	206.036842	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	107.359772	918.923	1.309912	112.534501	185.933	206.484641	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	107.524381	899.062	1.474521	114.038418	166.370	207.988558	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	107.670122	879.166	1.620262	115.787883	146.836	209.738023	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	107.802921	859.249	1.753061	117.942830	127.380	211.892970	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	107.929286	839.320	1.879426	120.774802	108.073	214.724942	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	108.019226	825.132	1.969366	123.460876	94.490	217.411016	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	108.056339	819.389	2.006479	124.778782	89.048	218.728922	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	108.189258	799.460	2.139398	130.911705	70.562	224.861846	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	108.328972	779.535	2.279112	141.209451	53.183	235.159591	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	108.476014	759.614	2.426154	160.313894	38.443	254.264035	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	108.630976	739.698	2.581116	194.849121	30.452	288.799261	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	108.794513	719.786	2.744653	234.124876	34.305	328.075016	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	108.967353	699.879	2.917494	258.486095	47.183	352.436235	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	109.150313	679.977	3.100453	271.346502	63.841	365.296642	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	109.344303	660.082	3.294443	278.712004	82.007	372.662144	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	109.550349	640.193	3.500489	283.367466	100.869	377.317607	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	109.769606	620.311	3.719746	286.544806	120.100	380.494947	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	110.003380	600.437	3.953520	288.841031	139.548	382.791172	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	110.253155	580.572	4.203295	290.573880	159.132	384.524020	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	110.520625	560.716	4.470765	291.926183	178.809	385.876323	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	110.807728	540.871	4.757868	293.009988	198.550	386.960128	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	111.116694	521.037	5.066835	293.897560	218.338	387.847700	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	111.450105	501.217	5.400245	294.637500	238.161	388.587641	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	111.810959	481.412	5.761099	295.263657	258.012	389.213797	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	112.202764	461.623	6.152904	295.800303	277.885	389.750443	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	112.629647	441.854	6.579787	296.265289	297.774	390.215430	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	113.096495	422.106	7.046635	296.672031	317.677	390.622171	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	113.356409	411.868	7.306549	296.863655	328.011	390.813795	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	113.609422	402.384	7.559562	297.030454	337.592	390.980594	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	114.183308	382.699	8.133448	297.340122	357.520	391.290263	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	114.844459	363.078	8.794600	297.592551	377.467	391.542691	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	115.625271	343.552	9.575412	297.780567	397.434	391.730707	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	116.565314	324.169	10.515454	297.898356	417.420	391.848496	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	117.205514	312.961	11.155654	297.932691	429.075	391.882831	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	117.712836	304.990	11.662976	297.941341	437.417	391.891481	8.345

CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	119.118209	286.083	13.068349	297.911608	457.416	391.861748	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	120.831741	267.521	14.781881	297.817877	477.403	391.768017	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	122.914362	249.395	16.864502	297.667908	497.370	391.618048	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	125.440382	231.817	19.390522	297.468276	517.306	391.418416	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	128.499241	214.936	22.449381	297.224586	537.203	391.174726	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	132.195765	198.940	26.145905	296.941643	557.054	390.891783	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	136.646755	184.073	30.596895	296.623586	576.852	390.573726	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	141.970137	170.638	35.920277	296.274003	596.591	390.224143	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	148.261403	159.010	42.211543	295.896010	616.263	389.846151	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	155.553107	149.618	49.503247	295.492336	635.865	389.442476	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	163.761520	142.910	57.711661	295.065372	655.390	389.015512	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	172.643237	139.279	66.593377	294.617224	674.834	388.567364	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	181.801680	138.968	75.751820	294.149757	694.192	388.099897	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	190.767959	141.999	84.718099	293.664623	713.459	387.614764	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	199.123989	148.166	93.074130	293.163295	732.631	387.113436	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	206.595483	157.096	100.545623	292.647088	751.704	386.597228	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	213.071608	168.345	107.021748	292.117178	770.673	386.067318	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	218.567625	181.476	112.517765	291.574623	789.535	385.524763	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	223.170978	196.104	117.121119	291.020378	808.287	384.970518	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	226.997695	211.911	120.947835	290.455302	826.923	384.405442	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	230.165900	228.645	124.116040	289.880174	845.441	383.830314	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	231.493558	237.003	125.443698	289.598812	854.348	383.548952	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 733.760 Azimut: 106.049860

BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	232.783566	246.105	126.733706	289.295856	863.838	383.245996	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	234.954018	264.117	128.904158	288.706311	882.131	382.656451	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	236.772782	282.531	130.722922	288.118121	900.358	382.068261	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	238.318151	301.236	132.268291	287.537419	918.556	381.487560	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	239.653418	320.145	133.603558	286.969859	936.766	380.919999	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	240.313937	330.556	134.264077	286.666743	946.750	380.616884	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	240.829357	339.197	134.779498	286.420604	955.026	380.370744	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	241.879452	358.352	135.829592	285.891833	973.352	379.841973	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	242.822753	377.595	136.772893	285.382640	991.744	379.332780	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	243.674404	396.913	137.624544	284.892019	1010.196	378.842159	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	244.446879	416.295	138.397019	284.419026	1028.707	378.369167	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	245.150529	435.733	139.100669	283.962779	1047.272	377.912920	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	245.794010	455.220	139.744150	283.522448	1065.889	377.472588	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	246.384606	474.749	140.334746	283.097255	1084.556	377.047395	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	246.928489	494.316	140.878630	282.686467	1103.269	376.636607	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	247.430920	513.917	141.381061	282.289398	1122.026	376.239538	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	247.896408	533.547	141.846548	281.905401	1140.826	375.855541	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	248.328838	553.204	142.278978	281.533868	1159.666	375.484008	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	248.731575	572.884	142.681715	281.174225	1178.544	375.124365	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	249.107546	592.586	143.057686	280.825933	1197.458	374.776073	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	249.459310	612.307	143.409450	280.488482	1216.408	374.438622	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	249.789113	632.045	143.739253	280.161393	1235.390	374.111533	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	250.098933	651.800	144.049073	279.844212	1254.404	373.794352	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	250.390519	671.569	144.340659	279.536510	1273.448	373.486650	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	250.665423	691.351	144.615563	279.237882	1292.521	373.188022	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	250.925028	711.146	144.875168	278.947945	1311.622	372.898086	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	251.170569	730.952	145.120709	278.666338	1330.749	372.616478	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	251.403151	750.768	145.353291	278.392716	1349.901	372.342856	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 733.760 Azimut: 106.049860

BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	251.623769	770.593	145.573909	278.126755	1369.078	372.076895	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	251.833316	790.428	145.783457	277.868146	1388.278	371.818286	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	252.032603	810.270	145.982743	277.616596	1407.500	371.566736	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	252.222361	830.120	146.172501	277.371828	1426.744	371.321969	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	252.403254	849.977	146.353394	277.133579	1446.008	371.083719	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	252.575887	869.841	146.526027	276.901597	1465.292	370.851737	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	252.740810	889.711	146.690950	276.675645	1484.594	370.625785	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	252.898527	909.586	146.848667	276.455496	1503.915	370.405636	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	253.049498	929.467	146.999638	276.240934	1523.254	370.191074	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	253.194145	949.353	147.144285	276.031754	1542.609	369.981894	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	253.332855	969.243	147.282995	275.827761	1561.981	369.777901	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	253.465987	989.138	147.416127	275.628767	1581.368	369.578907	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	253.593868	1009.037	147.544008	275.434595	1600.771	369.384735	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	253.716802	1028.940	147.666942	275.245076	1620.187	369.195216	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	253.835070	1048.847	147.785210	275.060046	1639.618	369.010187	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	253.931198	1065.606	147.881338	274.907664	1655.985	368.857804	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	253.948833	1068.757	147.898973	274.879291	1659.062	368.829431	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	254.053420	1088.678	148.003561	274.699548	1678.499	368.649688	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	254.146618	1108.614	148.096758	274.519063	1697.918	368.469203	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	254.229023	1128.561	148.179163	274.337860	1717.319	368.288000	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	254.301192	1148.519	148.251332	274.155965	1736.700	368.106106	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	254.363643	1168.487	148.313783	273.973402	1756.063	367.923542	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	254.416864	1188.463	148.367004	273.790192	1775.407	367.740332	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	254.461308	1208.445	148.411448	273.606357	1794.731	367.556498	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	254.497401	1228.433	148.447541	273.421919	1814.036	367.372059	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	254.525542	1248.426	148.475682	273.236895	1833.321	367.187036	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	254.546106	1268.421	148.496246	273.051306	1852.586	367.001447	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	254.559445	1288.420	148.509585	272.865170	1871.830	366.815310	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 733.760 Azimut: 106.049860

BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 663.763 Dis= 30.219

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	254.565888	1308.419	148.516028	272.678503	1891.054	366.628643	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	254.565748	1328.419	148.515888	272.491323	1910.258	366.441463	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	254.559318	1348.419	148.509458	272.303644	1929.440	366.253784	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	254.546872	1368.417	148.497012	272.115483	1948.601	366.065623	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	254.528672	1388.413	148.478812	271.926854	1967.741	365.876994	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	254.504964	1408.406	148.455104	271.737771	1986.860	365.687911	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	254.475979	1428.396	148.426120	271.548247	2005.956	365.498387	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	254.441938	1448.381	148.392078	271.358296	2025.031	365.308436	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	254.403047	1468.361	148.353187	271.167929	2044.083	365.118069	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	254.380189	1479.107	148.330329	271.065352	2054.323	365.015492	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	254.360112	1488.336	148.310252	270.977578	2063.117	364.927718	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	254.317500	1508.311	148.267640	270.790146	2082.163	364.740286	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	254.276003	1528.286	148.226143	270.606113	2101.227	364.556253	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	254.235576	1548.262	148.185716	270.425391	2120.309	364.375532	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	254.196179	1568.239	148.146319	270.247895	2139.407	364.198035	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	254.157773	1588.217	148.107913	270.073541	2158.521	364.023681	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	254.120321	1608.194	148.070462	269.902248	2177.651	363.852389	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	254.109021	1614.321	148.059161	269.850317	2183.522	363.800457	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	98.682631	1368.777	223.883409	95.286587	1585.732	20.487365	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	99.072586	1350.594	224.273364	95.582742	1567.125	20.783520	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	99.473169	1332.463	224.673947	95.886008	1548.552	21.086785	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	99.884788	1314.385	225.085565	96.196629	1530.016	21.397406	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	100.265968	1298.125	225.466745	96.483391	1513.325	21.684168	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	100.307867	1296.365	225.508645	96.514860	1511.517	21.715637	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	100.741887	1278.393	225.942664	96.840116	1493.048	22.040893	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	101.183371	1260.435	226.384149	97.169208	1474.578	22.369985	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	101.628114	1242.447	226.828891	97.498305	1456.068	22.699082	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	102.071650	1224.387	227.272427	97.823361	1437.482	23.024139	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	102.480926	1207.406	227.681704	98.119744	1420.012	23.320522	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	102.509211	1206.216	227.709989	98.140078	1418.787	23.340855	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	102.936635	1187.902	228.137413	98.444709	1399.959	23.645487	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	103.352694	1169.445	228.553472	98.736090	1380.999	23.936868	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	103.756751	1150.851	228.957529	99.013573	1361.914	24.214351	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	104.148121	1132.123	229.348899	99.276473	1342.710	24.477251	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	104.526071	1113.266	229.726849	99.524064	1323.394	24.724841	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	104.889813	1094.287	230.090591	99.755574	1303.973	24.956351	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	105.238500	1075.190	230.439278	99.970187	1284.456	25.170965	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	105.571219	1055.982	230.771997	100.167037	1264.848	25.367814	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	105.886987	1036.667	231.087764	100.345202	1245.160	25.545979	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	106.184742	1017.253	231.385520	100.503706	1225.398	25.704483	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	106.463339	997.746	231.664117	100.641509	1205.572	25.842287	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	106.721537	978.152	231.922315	100.757509	1185.692	25.958287	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	106.957994	958.478	232.158772	100.850532	1165.766	26.051310	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	107.171253	938.733	232.372031	100.919332	1145.806	26.120109	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	107.302087	925.283	232.502865	100.951578	1132.233	26.152355	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	107.359772	918.923	232.560550	100.962612	1125.821	26.163389	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	107.524381	899.062	232.725158	100.981048	1105.824	26.181825	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	107.670122	879.166	232.870900	100.978730	1085.824	26.179507	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	107.802921	859.249	233.003699	100.960372	1065.827	26.161150	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	107.929286	839.320	233.130063	100.931051	1045.833	26.131829	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	108.019226	825.132	233.220003	100.906497	1031.602	26.107275	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	108.056339	819.389	233.257117	100.896214	1025.841	26.096992	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	108.189258	799.460	233.390035	100.859618	1005.849	26.060395	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	108.328972	779.535	233.529749	100.821537	985.858	26.022314	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	108.476014	759.614	233.676792	100.781880	965.868	25.982657	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	108.630976	739.698	233.831754	100.740546	945.877	25.941324	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	108.794513	719.786	233.995290	100.697428	925.887	25.898206	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	108.967353	699.879	234.168131	100.652407	905.898	25.853184	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	109.150313	679.977	234.351091	100.605354	885.909	25.806132	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	109.344303	660.082	234.545081	100.556129	865.920	25.756907	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	109.550349	640.193	234.751127	100.504578	845.932	25.705355	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	109.769606	620.311	234.970383	100.450531	825.945	25.651309	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	110.003380	600.437	235.204157	100.393804	805.958	25.594582	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	110.253155	580.572	235.453933	100.334192	785.972	25.534970	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	110.520625	560.716	235.721403	100.271469	765.986	25.472247	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	110.807728	540.871	236.008505	100.205386	746.002	25.406163	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	111.116694	521.037	236.317472	100.135665	726.018	25.336442	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	111.450105	501.217	236.650883	100.061996	706.035	25.262774	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	111.810959	481.412	237.011737	99.984037	686.053	25.184814	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	112.202764	461.623	237.403542	99.901400	666.073	25.102178	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	112.629647	441.854	237.830425	99.813652	646.093	25.014430	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	113.096495	422.106	238.297272	99.720304	626.115	24.921082	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	113.356409	411.868	238.557186	99.669473	615.748	24.870250	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	113.609422	402.384	238.810200	99.620995	606.138	24.821772	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	114.183308	382.699	239.384086	99.520305	586.160	24.721083	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	114.844459	363.078	240.045237	99.428894	566.177	24.629672	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	115.625271	343.552	240.826049	99.359258	546.187	24.560035	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	116.565314	324.169	241.766092	99.325799	526.189	24.526576	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	117.205514	312.961	242.406291	99.329504	514.532	24.530282	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	117.712836	304.990	242.913613	99.345050	506.190	24.545828	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	119.118209	286.083	244.318987	99.430748	486.202	24.631526	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	120.831741	267.521	246.032519	99.591814	466.239	24.792591	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	122.914362	249.395	248.115139	99.838216	446.317	25.038994	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	125.440382	231.817	250.641159	100.181663	426.457	25.382440	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	128.499241	214.936	253.700018	100.635966	406.679	25.836743	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	132.195765	198.940	257.396542	101.217499	387.011	26.418277	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	136.646755	184.073	261.847533	101.945756	367.482	27.146534	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	141.970137	170.638	267.170915	102.844041	348.130	28.044819	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	148.261403	159.010	273.462180	103.940307	328.999	29.141085	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	155.553107	149.618	280.753885	105.268164	310.142	30.468942	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	163.761520	142.910	288.962298	106.868045	291.625	32.068822	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	172.643237	139.279	297.844014	108.788487	273.531	33.989264	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	181.801680	138.968	307.002458	111.087389	255.961	36.288166	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	190.767959	141.999	315.968736	113.832906	239.044	39.033684	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	199.123989	148.166	324.324767	117.103341	222.939	42.304119	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	206.595483	157.096	331.796260	120.984834	207.847	46.185612	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	213.071608	168.345	338.272386	125.564913	194.014	50.765690	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	218.567625	181.476	343.768402	130.919279	181.738	56.120057	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	223.170978	196.104	348.371756	137.089440	171.361	62.290218	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	226.997695	211.911	352.198472	144.051734	163.255	69.252512	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	230.165900	228.645	355.366678	151.685757	157.774	76.886534	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	231.493558	237.003	356.694336	155.551483	156.154	80.752260	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	232.783566	246.105	357.984344	159.759916	155.198	84.960694	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	234.954018	264.117	360.154795	167.956384	155.622	93.157162	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	236.772782	282.531	361.973559	175.946159	158.929	101.146936	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	238.318151	301.236	363.518929	183.463773	164.852	108.664550	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	239.653418	320.145	364.854196	190.346048	173.034	115.546826	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	240.313937	330.556	365.514715	193.817744	178.329	119.018521	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	240.829357	339.197	366.030135	196.531538	183.092	121.732315	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	241.879452	358.352	367.080230	202.026630	194.693	127.227407	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	242.822753	377.595	368.023530	206.872222	207.576	132.073000	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	243.674404	396.913	368.875181	211.130080	221.518	136.330857	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	244.446879	416.295	369.647656	214.869214	236.332	140.069992	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	245.150529	435.733	370.351307	218.157411	251.864	143.358189	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	245.794010	455.220	370.994788	221.056897	267.989	146.257674	9.349

RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	246.384606	474.749	371.585384	223.622623	284.606	148.823400	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	246.928489	494.316	372.129267	225.902029	301.634	151.102806	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	247.430920	513.917	372.631698	227.935538	319.008	153.136315	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	247.896408	533.547	373.097186	229.757354	336.673	154.958131	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	248.328838	553.204	373.529616	231.396332	354.586	156.597109	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	248.731575	572.884	373.932352	232.876802	372.711	158.077579	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	249.107546	592.586	374.308323	234.219306	391.019	159.420083	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	249.459310	612.307	374.660088	235.441227	409.486	160.642005	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	249.789113	632.045	374.989891	236.557324	428.090	161.758102	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	250.098933	651.800	375.299710	237.580168	446.815	162.780945	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	250.390519	671.569	375.591296	238.520509	465.646	163.721287	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	250.665423	691.351	375.866201	239.387578	484.571	164.588356	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	250.925028	711.146	376.125806	240.189331	503.579	165.390109	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	251.170569	730.952	376.371346	240.932653	522.661	166.133430	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	251.403151	750.768	376.603929	241.623523	541.809	166.824301	9.839

Istram 21.04
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	251.623769	770.593	376.824546	242.267158	561.016	167.467936	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	251.833316	790.428	377.034094	242.868123	580.277	168.068901	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	252.032603	810.270	377.233381	243.430428	599.587	168.631205	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	252.222361	830.120	377.423139	243.957607	618.940	169.158384	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	252.403254	849.977	377.604032	244.452785	638.333	169.653563	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	252.575887	869.841	377.776665	244.918737	657.763	170.119514	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	252.740810	889.711	377.941588	245.357929	677.226	170.558706	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	252.898527	909.586	378.099305	245.772564	696.719	170.973341	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	253.049498	929.467	378.250275	246.164613	716.240	171.365390	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	253.194145	949.353	378.394922	246.535845	735.787	171.736622	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	253.332855	969.243	378.533633	246.887852	755.358	172.088630	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	253.465987	989.138	378.666764	247.222070	774.950	172.422847	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	253.593868	1009.037	378.794645	247.539796	794.563	172.740574	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	253.716802	1028.940	378.917580	247.842208	814.195	173.042986	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	253.835070	1048.847	379.035848	248.130374	833.844	173.331152	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	253.931198	1065.606	379.131975	248.362613	850.396	173.563391	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	253.948833	1068.757	379.149611	248.405144	853.510	173.605922	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	254.053420	1088.678	379.254198	248.661350	873.205	173.862128	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	254.146618	1108.614	379.347396	248.896874	892.937	174.097651	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	254.229023	1128.561	379.429801	249.113022	912.700	174.313800	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	254.301192	1148.519	379.501969	249.311000	932.494	174.511777	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	254.363643	1168.487	379.564421	249.491915	952.313	174.692692	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	254.416864	1188.463	379.617641	249.656790	972.158	174.857567	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	254.461308	1208.445	379.662085	249.806571	992.024	175.007348	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	254.497401	1228.433	379.698178	249.942131	1011.909	175.142909	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	254.525542	1248.426	379.726320	250.064280	1031.813	175.265058	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	254.546106	1268.421	379.746884	250.173769	1051.733	175.374547	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	254.559445	1288.420	379.760222	250.271295	1071.666	175.472073	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	254.565888	1308.419	379.766666	250.357505	1091.613	175.558283	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	254.565748	1328.419	379.766526	250.433003	1111.570	175.633780	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	254.559318	1348.419	379.760095	250.498349	1131.537	175.699126	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	254.546872	1368.417	379.747650	250.554068	1151.512	175.754845	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	254.528672	1388.413	379.729450	250.600648	1171.494	175.801426	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	254.504964	1408.406	379.705742	250.638548	1191.481	175.839325	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	254.475979	1428.396	379.676757	250.668193	1211.473	175.868971	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	254.441938	1448.381	379.642716	250.689985	1231.469	175.890763	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	254.403047	1468.361	379.603825	250.704299	1251.467	175.905077	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	254.380189	1479.107	379.580966	250.709030	1262.226	175.909808	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	254.360112	1488.336	379.560889	250.712200	1271.466	175.912978	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	254.317500	1508.311	379.518278	250.718905	1291.466	175.919683	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	254.276003	1528.286	379.476780	250.725406	1311.465	175.926183	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	254.235576	1548.262	379.436353	250.731711	1331.465	175.932489	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	254.196179	1568.239	379.396956	250.737830	1351.465	175.938607	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	254.157773	1588.217	379.358551	250.743770	1371.464	175.944547	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	254.120321	1608.194	379.321099	250.749539	1391.464	175.950317	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	254.109021	1614.321	379.309799	250.751276	1397.597	175.952053	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	95.286587	1585.732	20.487365	98.682631	1368.777	223.883409	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	95.582742	1567.125	20.783520	99.072586	1350.594	224.273364	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	95.886008	1548.552	21.086785	99.473169	1332.463	224.673947	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	96.196629	1530.016	21.397406	99.884788	1314.385	225.085565	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	96.483391	1513.325	21.684168	100.265968	1298.125	225.466745	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	96.514860	1511.517	21.715637	100.307867	1296.365	225.508645	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	96.840116	1493.048	22.040893	100.741887	1278.393	225.942664	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	97.169208	1474.578	22.369985	101.183371	1260.435	226.384149	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	97.498305	1456.068	22.699082	101.628114	1242.447	226.828891	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	97.823361	1437.482	23.024139	102.071650	1224.387	227.272427	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	98.119744	1420.012	23.320522	102.480926	1207.406	227.681704	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	98.140078	1418.787	23.340855	102.509211	1206.216	227.709989	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	98.444709	1399.959	23.645487	102.936635	1187.902	228.137413	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	98.736090	1380.999	23.936868	103.352694	1169.445	228.553472	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	99.013573	1361.914	24.214351	103.756751	1150.851	228.957529	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	99.276473	1342.710	24.477251	104.148121	1132.123	229.348899	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	99.524064	1323.394	24.724841	104.526071	1113.266	229.726849	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	99.755574	1303.973	24.956351	104.889813	1094.287	230.090591	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	99.970187	1284.456	25.170965	105.238500	1075.190	230.439278	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	100.167037	1264.848	25.367814	105.571219	1055.982	230.771997	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	100.345202	1245.160	25.545979	105.886987	1036.667	231.087764	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	100.503706	1225.398	25.704483	106.184742	1017.253	231.385520	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	100.641509	1205.572	25.842287	106.463339	997.746	231.664117	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	100.757509	1185.692	25.958287	106.721537	978.152	231.922315	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	100.850532	1165.766	26.051310	106.957994	958.478	232.158772	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	100.919332	1145.806	26.120109	107.171253	938.733	232.372031	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	100.951578	1132.233	26.152355	107.302087	925.283	232.502865	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	100.962612	1125.821	26.163389	107.359772	918.923	232.560550	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	100.981048	1105.824	26.181825	107.524381	899.062	232.725158	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	100.978730	1085.824	26.179507	107.670122	879.166	232.870900	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	100.960372	1065.827	26.161150	107.802921	859.249	233.003699	8.835

CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	100.931051	1045.833	26.131829	107.929286	839.320	233.130063	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	100.906497	1031.602	26.107275	108.019226	825.132	233.220003	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	100.896214	1025.841	26.096992	108.056339	819.389	233.257117	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	100.859618	1005.849	26.060395	108.189258	799.460	233.390035	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	100.821537	985.858	26.022314	108.328972	779.535	233.529749	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	100.781880	965.868	25.982657	108.476014	759.614	233.676792	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	100.740546	945.877	25.941324	108.630976	739.698	233.831754	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	100.697428	925.887	25.898206	108.794513	719.786	233.995290	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	100.652407	905.898	25.853184	108.967353	699.879	234.168131	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	100.605354	885.909	25.806132	109.150313	679.977	234.351091	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	100.556129	865.920	25.756907	109.344303	660.082	234.545081	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	100.504578	845.932	25.705355	109.550349	640.193	234.751127	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	100.450531	825.945	25.651309	109.769606	620.311	234.970383	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	100.393804	805.958	25.594582	110.003380	600.437	235.204157	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	100.334192	785.972	25.534970	110.253155	580.572	235.453933	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	100.271469	765.986	25.472247	110.520625	560.716	235.721403	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	100.205386	746.002	25.406163	110.807728	540.871	236.008505	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	100.135665	726.018	25.336442	111.116694	521.037	236.317472	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	100.061996	706.035	25.262774	111.450105	501.217	236.650883	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	99.984037	686.053	25.184814	111.810959	481.412	237.011737	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	99.901400	666.073	25.102178	112.202764	461.623	237.403542	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	99.813652	646.093	25.014430	112.629647	441.854	237.830425	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	99.720304	626.115	24.921082	113.096495	422.106	238.297272	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	99.669473	615.748	24.870250	113.356409	411.868	238.557186	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	99.620995	606.138	24.821772	113.609422	402.384	238.810200	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	99.520305	586.160	24.721083	114.183308	382.699	239.384086	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	99.428894	566.177	24.629672	114.844459	363.078	240.045237	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	99.359258	546.187	24.560035	115.625271	343.552	240.826049	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	99.325799	526.189	24.526576	116.565314	324.169	241.766092	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	99.329504	514.532	24.530282	117.205514	312.961	242.406291	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	99.345050	506.190	24.545828	117.712836	304.990	242.913613	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	99.430748	486.202	24.631526	119.118209	286.083	244.318987	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	99.591814	466.239	24.792591	120.831741	267.521	246.032519	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	99.838216	446.317	25.038994	122.914362	249.395	248.115139	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	100.181663	426.457	25.382440	125.440382	231.817	250.641159	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	100.635966	406.679	25.836743	128.499241	214.936	253.700018	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	101.217499	387.011	26.418277	132.195765	198.940	257.396542	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	101.945756	367.482	27.146534	136.646755	184.073	261.847533	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	102.844041	348.130	28.044819	141.970137	170.638	267.170915	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	103.940307	328.999	29.141085	148.261403	159.010	273.462180	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	105.268164	310.142	30.468942	155.553107	149.618	280.753885	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	106.868045	291.625	32.068822	163.761520	142.910	288.962298	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	108.788487	273.531	33.989264	172.643237	139.279	297.844014	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	111.087389	255.961	36.288166	181.801680	138.968	307.002458	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	113.832906	239.044	39.033684	190.767959	141.999	315.968736	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	117.103341	222.939	42.304119	199.123989	148.166	324.324767	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	120.984834	207.847	46.185612	206.595483	157.096	331.796260	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	125.564913	194.014	50.765690	213.071608	168.345	338.272386	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	130.919279	181.738	56.120057	218.567625	181.476	343.768402	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	137.089440	171.361	62.290218	223.170978	196.104	348.371756	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	144.051734	163.255	69.252512	226.997695	211.911	352.198472	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	151.685757	157.774	76.886534	230.165900	228.645	355.366678	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	155.551483	156.154	80.752260	231.493558	237.003	356.694336	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	159.759916	155.198	84.960694	232.783566	246.105	357.984344	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	167.956384	155.622	93.157162	234.954018	264.117	360.154795	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	175.946159	158.929	101.146936	236.772782	282.531	361.973559	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	183.463773	164.852	108.664550	238.318151	301.236	363.518929	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	190.346048	173.034	115.546826	239.653418	320.145	364.854196	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	193.817744	178.329	119.018521	240.313937	330.556	365.514715	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	196.531538	183.092	121.732315	240.829357	339.197	366.030135	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	202.026630	194.693	127.227407	241.879452	358.352	367.080230	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	206.872222	207.576	132.073000	242.822753	377.595	368.023530	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	211.130080	221.518	136.330857	243.674404	396.913	368.875181	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	214.869214	236.332	140.069992	244.446879	416.295	369.647656	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	218.157411	251.864	143.358189	245.150529	435.733	370.351307	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	221.056897	267.989	146.257674	245.794010	455.220	370.994788	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	223.622623	284.606	148.823400	246.384606	474.749	371.585384	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	225.902029	301.634	151.102806	246.928489	494.316	372.129267	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	227.935538	319.008	153.136315	247.430920	513.917	372.631698	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	229.757354	336.673	154.958131	247.896408	533.547	373.097186	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	231.396332	354.586	156.597109	248.328838	553.204	373.529616	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	232.876802	372.711	158.077579	248.731575	572.884	373.932352	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	234.219306	391.019	159.420083	249.107546	592.586	374.308323	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	235.441227	409.486	160.642005	249.459310	612.307	374.660088	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	236.557324	428.090	161.758102	249.789113	632.045	374.989891	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	237.580168	446.815	162.780945	250.098933	651.800	375.299710	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	238.520509	465.646	163.721287	250.390519	671.569	375.591296	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	239.387578	484.571	164.588356	250.665423	691.351	375.866201	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	240.189331	503.579	165.390109	250.925028	711.146	376.125806	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	240.932653	522.661	166.133430	251.170569	730.952	376.371346	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	241.623523	541.809	166.824301	251.403151	750.768	376.603929	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	242.267158	561.016	167.467936	251.623769	770.593	376.824546	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	242.868123	580.277	168.068901	251.833316	790.428	377.034094	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	243.430428	599.587	168.631205	252.032603	810.270	377.233381	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	243.957607	618.940	169.158384	252.222361	830.120	377.423139	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	244.452785	638.333	169.653563	252.403254	849.977	377.604032	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	244.918737	657.763	170.119514	252.575887	869.841	377.776665	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	245.357929	677.226	170.558706	252.740810	889.711	377.941588	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	245.772564	696.719	170.973341	252.898527	909.586	378.099305	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	246.164613	716.240	171.365390	253.049498	929.467	378.250275	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	246.535845	735.787	171.736622	253.194145	949.353	378.394922	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	246.887852	755.358	172.088630	253.332855	969.243	378.533633	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	247.222070	774.950	172.422847	253.465987	989.138	378.666764	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	247.539796	794.563	172.740574	253.593868	1009.037	378.794645	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	247.842208	814.195	173.042986	253.716802	1028.940	378.917580	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	248.130374	833.844	173.331152	253.835070	1048.847	379.035848	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	248.362613	850.396	173.563391	253.931198	1065.606	379.131975	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	248.405144	853.510	173.605922	253.948833	1068.757	379.149611	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	248.661350	873.205	173.862128	254.053420	1088.678	379.254198	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	248.896874	892.937	174.097651	254.146618	1108.614	379.347396	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	249.113022	912.700	174.313800	254.229023	1128.561	379.429801	7.965

CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	249.311000	932.494	174.511777	254.301192	1148.519	379.501969	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	249.491915	952.313	174.692692	254.363643	1168.487	379.564421	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	249.656790	972.158	174.857567	254.416864	1188.463	379.617641	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	249.806571	992.024	175.007348	254.461308	1208.445	379.662085	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	249.942131	1011.909	175.142909	254.497401	1228.433	379.698178	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	250.064280	1031.813	175.265058	254.525542	1248.426	379.726320	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	250.173769	1051.733	175.374547	254.546106	1268.421	379.746884	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	250.271295	1071.666	175.472073	254.559445	1288.420	379.760222	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 1351.845 Dis= 138.687

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	250.357505	1091.613	175.558283	254.565888	1308.419	379.766666	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	250.433003	1111.570	175.633780	254.565748	1328.419	379.766526	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	250.498349	1131.537	175.699126	254.559318	1348.419	379.760095	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	250.554068	1151.512	175.754845	254.546872	1368.417	379.747650	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	250.600648	1171.494	175.801426	254.528672	1388.413	379.729450	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	250.638548	1191.481	175.839325	254.504964	1408.406	379.705742	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	250.668193	1211.473	175.868971	254.475979	1428.396	379.676757	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	250.689985	1231.469	175.890763	254.441938	1448.381	379.642716	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	250.704299	1251.467	175.905077	254.403047	1468.361	379.603825	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	250.709030	1262.226	175.909808	254.380189	1479.107	379.580966	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	250.712200	1271.466	175.912978	254.360112	1488.336	379.560889	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	250.718905	1291.466	175.919683	254.317500	1508.311	379.518278	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	250.725406	1311.465	175.926183	254.276003	1528.286	379.476780	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	250.731711	1331.465	175.932489	254.235576	1548.262	379.436353	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	250.737830	1351.465	175.938607	254.196179	1568.239	379.396956	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	250.743770	1371.464	175.944547	254.157773	1588.217	379.358551	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	250.749539	1391.464	175.950317	254.120321	1608.194	379.321099	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	250.751276	1397.597	175.952053	254.109021	1614.321	379.309799	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	95.286587	1585.732	254.043097	86.827943	1813.196	45.584453	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	95.582742	1567.125	254.339252	86.996833	1793.776	45.753343	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	95.886008	1548.552	254.642518	87.169417	1774.370	45.925927	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	96.196629	1530.016	254.953139	87.345817	1754.977	46.102327	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	96.483391	1513.325	255.239901	87.508341	1737.493	46.264851	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	96.514860	1511.517	255.271370	87.526158	1735.598	46.282668	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	96.840116	1493.048	255.596626	87.709791	1716.227	46.466301	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	97.169208	1474.578	255.925718	87.893687	1696.844	46.650197	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	97.498305	1456.068	256.254815	88.074229	1677.425	46.830739	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	97.823361	1437.482	256.579871	88.247613	1657.948	47.004123	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	98.119744	1420.012	256.876254	88.399658	1639.673	47.156168	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	98.140078	1418.787	256.896588	88.409824	1638.394	47.166334	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	98.444709	1399.959	257.201219	88.557378	1618.754	47.313888	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	98.736090	1380.999	257.492600	88.689145	1599.034	47.445655	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	99.013573	1361.914	257.770083	88.804471	1579.243	47.560981	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	99.276473	1342.710	258.032983	88.902673	1559.390	47.659183	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	99.524064	1323.394	258.280574	88.983038	1539.487	47.739548	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	99.755574	1303.973	258.512084	89.044823	1519.542	47.801333	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	99.970187	1284.456	258.726697	89.087252	1499.568	47.843762	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	100.167037	1264.848	258.923547	89.109517	1479.575	47.866027	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	100.345202	1245.160	259.101712	89.110776	1459.576	47.867286	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	100.503706	1225.398	259.260216	89.090152	1439.582	47.846662	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	100.641509	1205.572	259.398019	89.046736	1419.606	47.803246	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	100.757509	1185.692	259.514019	88.979581	1399.662	47.736091	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	100.850532	1165.766	259.607042	88.887705	1379.763	47.644215	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	100.919332	1145.806	259.675842	88.770091	1359.925	47.526601	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	100.951578	1132.233	259.708088	88.674984	1346.490	47.431494	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	100.962612	1125.821	259.719122	88.625714	1340.161	47.382224	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	100.981048	1105.824	259.737558	88.455203	1320.481	47.211713	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	100.978730	1085.824	259.735240	88.261973	1300.881	47.018483	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	100.960372	1065.827	259.716882	88.049858	1281.349	46.806368	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	100.931051	1045.833	259.687561	87.822889	1261.870	46.579399	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	100.906497	1031.602	259.663008	87.654608	1248.025	46.411118	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	100.896214	1025.841	259.652724	87.585292	1242.423	46.341802	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	100.859618	1005.849	259.616128	87.339844	1222.996	46.096354	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	100.821537	985.858	259.578047	87.086476	1203.588	45.842986	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	100.781880	965.868	259.538390	86.824807	1184.199	45.581318	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	100.740546	945.877	259.497056	86.554432	1164.831	45.310942	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	100.697428	925.887	259.453938	86.274919	1145.485	45.031429	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	100.652407	905.898	259.408917	85.985808	1126.162	44.742318	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	100.605354	885.909	259.361864	85.686608	1106.862	44.443119	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	100.556129	865.920	259.312639	85.376797	1087.588	44.133307	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	100.504578	845.932	259.261088	85.055815	1068.341	43.812325	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	100.450531	825.945	259.207041	84.723064	1049.121	43.479574	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	100.393804	805.958	259.150314	84.377903	1029.932	43.134413	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	100.334192	785.972	259.090702	84.019647	1010.774	42.776157	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	100.271469	765.986	259.027979	83.647561	991.649	42.404071	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	100.205386	746.002	258.961896	83.260854	972.559	42.017364	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	100.135665	726.018	258.892175	82.858678	953.507	41.615188	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	100.061996	706.035	258.818506	82.440119	934.494	41.196629	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	99.984037	686.053	258.740547	82.004196	915.524	40.760706	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	99.901400	666.073	258.657910	81.549846	896.598	40.306356	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	99.813652	646.093	258.570162	81.075927	877.720	39.832437	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	99.720304	626.115	258.476814	80.581203	858.892	39.337713	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	99.669473	615.748	258.425983	80.315821	849.142	39.072331	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	99.620995	606.138	258.377505	80.064466	840.118	38.820976	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	99.520305	586.160	258.276815	79.527742	821.384	38.284252	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	99.428894	566.177	258.185405	78.976807	802.660	37.733317	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	99.359258	546.187	258.115768	78.418129	783.910	37.174639	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	99.325799	526.189	258.082309	77.858817	765.104	36.615327	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	99.329504	514.532	258.086014	77.535611	754.103	36.292121	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	99.345050	506.190	258.101560	77.306645	746.208	36.063155	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	99.430748	486.202	258.187258	76.766794	727.209	35.523304	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	99.591814	466.239	258.348324	76.240606	708.110	34.997116	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	99.838216	446.317	258.594726	75.729294	688.913	34.485804	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	100.181663	426.457	258.938173	75.234217	669.624	33.990727	8.625

CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	100.635966	406.679	259.392476	74.756904	650.246	33.513414	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	101.217499	387.011	259.974009	74.299077	630.784	33.055588	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	101.945756	367.482	260.702266	73.862689	611.243	32.619199	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	102.844041	348.130	261.600551	73.449956	591.627	32.206466	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	103.940307	328.999	262.696817	73.063407	571.942	31.819917	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	105.268164	310.142	264.024674	72.705941	552.193	31.462451	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	106.868045	291.625	265.624555	72.380895	532.386	31.137405	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	108.788487	273.531	267.544997	72.092126	512.527	30.848636	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	111.087389	255.961	269.843899	71.844121	492.624	30.600631	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	113.832906	239.044	272.589416	71.642124	472.683	30.398634	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	117.103341	222.939	275.859852	71.492300	452.713	30.248810	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	120.984834	207.847	279.741344	71.401945	432.723	30.158455	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	125.564913	194.014	284.321423	71.379749	412.724	30.136259	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	130.919279	181.738	289.675790	71.436135	392.728	30.192646	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	137.089440	171.361	295.845950	71.583707	372.748	30.340217	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	144.051734	163.255	302.808244	71.837823	352.801	30.594333	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	151.685757	157.774	310.442267	72.217364	332.906	30.973874	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	155.551483	156.154	314.307993	72.452508	323.316	31.209018	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	159.759916	155.198	318.516426	72.745304	313.087	31.501814	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	167.956384	155.622	326.712894	73.440121	293.363	32.196631	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	175.946159	158.929	334.702669	74.314740	273.746	33.071250	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	183.463773	164.852	342.220283	75.385406	254.244	34.141916	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	190.346048	173.034	349.102558	76.673508	234.865	35.430018	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	193.817744	178.329	352.574254	77.480388	224.314	36.236898	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	196.531538	183.092	355.288048	78.208240	215.615	36.964750	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	202.026630	194.693	360.783140	80.043387	196.515	38.799897	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	206.872222	207.576	365.628733	82.271313	177.614	41.027823	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	211.130080	221.518	369.886590	85.025518	158.982	43.782029	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	214.869214	236.332	373.625724	88.502327	140.725	47.258837	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	218.157411	251.864	376.913921	92.997249	123.013	51.753759	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	221.056897	267.989	379.813407	98.961934	106.116	57.718444	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	223.622623	284.606	382.379133	107.080141	90.494	65.836651	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	225.902029	301.634	384.658539	118.306582	76.926	77.063092	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	227.935538	319.008	386.692048	133.610626	66.680	92.367136	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	229.757354	336.673	388.513864	152.881572	61.438	111.638082	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	231.396332	354.586	390.152842	173.494943	62.476	132.251453	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	232.876802	372.711	391.633312	191.642656	69.510	150.399166	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	234.219306	391.019	392.975816	205.562727	80.995	164.319237	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	235.441227	409.486	394.197737	215.673898	95.335	174.430408	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	236.557324	428.090	395.313834	223.008590	111.433	181.765100	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	237.580168	446.815	396.336678	228.439290	128.630	187.195800	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	238.520509	465.646	397.277019	232.566786	146.541	191.323296	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	239.387578	484.571	398.144089	235.784918	164.933	194.541428	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	240.189331	503.579	398.945841	238.352234	183.661	197.108744	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	240.932653	522.661	399.689163	240.441711	202.632	199.198221	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	241.623523	541.809	0.380033	242.171921	221.784	200.928431	9.839
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	242.267158	561.016	1.023668	243.626175	241.074	202.382685	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	242.868123	580.277	1.624633	244.864404	260.471	203.620914	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	243.430428	599.587	2.186938	245.930655	279.953	204.687165	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	243.957607	618.940	2.714117	246.857938	299.503	205.614448	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	244.452785	638.333	3.209296	247.671432	319.109	206.427942	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	244.918737	657.763	3.675247	248.390649	338.761	207.147159	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	245.357929	677.226	4.114439	249.030924	358.452	207.787434	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	245.772564	696.719	4.529074	249.604467	378.175	208.360978	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	246.164613	716.240	4.921123	250.121115	397.926	208.877625	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	246.535845	735.787	5.292355	250.588873	417.700	209.345383	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	246.887852	755.358	5.644362	251.014324	437.495	209.770835	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	247.222070	774.950	5.978580	251.402927	457.308	210.159437	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	247.539796	794.563	6.296307	251.759243	477.136	210.515753	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	247.842208	814.195	6.598719	252.087116	496.978	210.843627	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	248.130374	833.844	6.886884	252.389807	516.833	211.146317	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	248.362613	850.396	7.119123	252.627132	533.553	211.383642	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	248.405144	853.510	7.161654	252.669899	536.698	211.426409	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	248.661350	873.205	7.417860	252.920201	556.582	211.676711	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	248.896874	892.937	7.653384	253.138580	576.487	211.895090	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	249.113022	912.700	7.869532	253.328203	596.411	212.084713	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	249.311000	932.494	8.067510	253.491838	616.350	212.248348	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	249.491915	952.313	8.248425	253.631910	636.303	212.388420	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	249.656790	972.158	8.413300	253.750555	656.266	212.507065	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	249.806571	992.024	8.563081	253.849660	676.239	212.606171	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	249.942131	1011.909	8.698641	253.930901	696.220	212.687411	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	250.064280	1031.813	8.820790	253.995765	716.207	212.752275	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	250.173769	1051.733	8.930279	254.045584	736.199	212.802094	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	250.271295	1071.666	9.027805	254.081546	756.194	212.838056	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	250.357505	1091.613	9.114015	254.104721	776.192	212.861231	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	250.433003	1111.570	9.189513	254.116072	796.192	212.872582	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	250.498349	1131.537	9.254859	254.116466	816.192	212.872976	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	250.554068	1151.512	9.310578	254.106691	836.191	212.863201	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	250.600648	1171.494	9.357158	254.087459	856.190	212.843969	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	250.638548	1191.481	9.395058	254.059418	876.186	212.815928	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	250.668193	1211.473	9.424703	254.023159	896.180	212.779670	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	250.689985	1231.469	9.446495	253.979222	916.170	212.735732	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	250.704299	1251.467	9.460809	253.928099	936.156	212.684609	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	250.709030	1262.226	9.465540	253.897784	946.906	212.654294	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	250.712200	1271.466	9.468710	253.871189	956.138	212.627699	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	250.718905	1291.466	9.475415	253.815352	976.120	212.571862	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	250.725406	1311.465	9.481916	253.761755	996.103	212.518265	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	250.731711	1331.465	9.488221	253.710267	1016.086	212.466777	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	250.737830	1351.465	9.494340	253.660764	1036.070	212.417274	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	250.743770	1371.464	9.500280	253.613135	1056.055	212.369645	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	250.749539	1391.464	9.506049	253.567275	1076.040	212.323786	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	250.751276	1397.597	9.507786	253.553550	1082.170	212.310060	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

RECTA	0.000	271.533802	0.000	422623.070	4576260.344	86.827943	1813.196	45.584453	95.286587	1585.732	254.043097		8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	86.996833	1793.776	45.753343	95.582742	1567.125	254.339252		8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	87.169417	1774.370	45.925927	95.886008	1548.552	254.642518		8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	87.345817	1754.977	46.102327	96.196629	1530.016	254.953139		7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	87.508341	1737.493	46.264851	96.483391	1513.325	255.239901		7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	87.526158	1735.598	46.282668	96.514860	1511.517	255.271370		7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	87.709791	1716.227	46.466301	96.840116	1493.048	255.596626		7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	87.893687	1696.844	46.650197	97.169208	1474.578	255.925718		7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	88.074229	1677.425	46.830739	97.498305	1456.068	256.254815		7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	88.247613	1657.948	47.004123	97.823361	1437.482	256.579871		7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	88.399658	1639.673	47.156168	98.119744	1420.012	256.876254		7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	88.409824	1638.394	47.166334	98.140078	1418.787	256.896588		7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	88.557378	1618.754	47.313888	98.444709	1399.959	257.201219		7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	88.689145	1599.034	47.445655	98.736090	1380.999	257.492600		7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	88.804471	1579.243	47.560981	99.013573	1361.914	257.770083		7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	88.902673	1559.390	47.659183	99.276473	1342.710	258.032983		7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	88.983038	1539.487	47.739548	99.524064	1323.394	258.280574		7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	89.044823	1519.542	47.801333	99.755574	1303.973	258.512084		7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	89.087252	1499.568	47.843762	99.970187	1284.456	258.726697		7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	89.109517	1479.575	47.866027	100.167037	1264.848	258.923547		7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	89.110776	1459.576	47.867286	100.345202	1245.160	259.101712		7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	89.090152	1439.582	47.846662	100.503706	1225.398	259.260216		8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	89.046736	1419.606	47.803246	100.641509	1205.572	259.398019		8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	88.979581	1399.662	47.736091	100.757509	1185.692	259.514019		8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	88.887705	1379.763	47.644215	100.850532	1165.766	259.607042		8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	88.770091	1359.925	47.526601	100.919332	1145.806	259.675842		8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	88.674984	1346.490	47.431494	100.951578	1132.233	259.708088		8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	88.625714	1340.161	47.382224	100.962612	1125.821	259.719122		8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	88.455203	1320.481	47.211713	100.981048	1105.824	259.737558	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	88.261973	1300.881	47.018483	100.978730	1085.824	259.735240	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	88.049858	1281.349	46.806368	100.960372	1065.827	259.716882	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	87.822889	1261.870	46.579399	100.931051	1045.833	259.687561	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	87.654608	1248.025	46.411118	100.906497	1031.602	259.663008	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	87.585292	1242.423	46.341802	100.896214	1025.841	259.652724	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	87.339844	1222.996	46.096354	100.859618	1005.849	259.616128	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	87.086476	1203.588	45.842986	100.821537	985.858	259.578047	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	86.824807	1184.199	45.581318	100.781880	965.868	259.538390	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	86.554432	1164.831	45.310942	100.740546	945.877	259.497056	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	86.274919	1145.485	45.031429	100.697428	925.887	259.453938	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	85.985808	1126.162	44.742318	100.652407	905.898	259.408917	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	85.686608	1106.862	44.443119	100.605354	885.909	259.361864	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	85.376797	1087.588	44.133307	100.556129	865.920	259.312639	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	85.055815	1068.341	43.812325	100.504578	845.932	259.261088	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	84.723064	1049.121	43.479574	100.450531	825.945	259.207041	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	84.377903	1029.932	43.134413	100.393804	805.958	259.150314	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	84.019647	1010.774	42.776157	100.334192	785.972	259.090702	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	83.647561	991.649	42.404071	100.271469	765.986	259.027979	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	83.260854	972.559	42.017364	100.205386	746.002	258.961896	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	82.858678	953.507	41.615188	100.135665	726.018	258.892175	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	82.440119	934.494	41.196629	100.061996	706.035	258.818506	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	82.004196	915.524	40.760706	99.984037	686.053	258.740547	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	81.549846	896.598	40.306356	99.901400	666.073	258.657910	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	81.075927	877.720	39.832437	99.813652	646.093	258.570162	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	80.581203	858.892	39.337713	99.720304	626.115	258.476814	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	80.315821	849.142	39.072331	99.669473	615.748	258.425983	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	80.064466	840.118	38.820976	99.620995	606.138	258.377505	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	79.527742	821.384	38.284252	99.520305	586.160	258.276815	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	78.976807	802.660	37.733317	99.428894	566.177	258.185405	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	78.418129	783.910	37.174639	99.359258	546.187	258.115768	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	77.858817	765.104	36.615327	99.325799	526.189	258.082309	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	77.535611	754.103	36.292121	99.329504	514.532	258.086014	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	77.306645	746.208	36.063155	99.345050	506.190	258.101560	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	76.766794	727.209	35.523304	99.430748	486.202	258.187258	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	76.240606	708.110	34.997116	99.591814	466.239	258.348324	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	75.729294	688.913	34.485804	99.838216	446.317	258.594726	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	75.234217	669.624	33.990727	100.181663	426.457	258.938173	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	74.756904	650.246	33.513414	100.635966	406.679	259.392476	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	74.299077	630.784	33.055588	101.217499	387.011	259.974009	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	73.862689	611.243	32.619199	101.945756	367.482	260.702266	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	73.449956	591.627	32.206466	102.844041	348.130	261.600551	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	73.063407	571.942	31.819917	103.940307	328.999	262.696817	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	72.705941	552.193	31.462451	105.268164	310.142	264.024674	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	72.380895	532.386	31.137405	106.868045	291.625	265.624555	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	72.092126	512.527	30.848636	108.788487	273.531	267.544997	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	71.844121	492.624	30.600631	111.087389	255.961	269.843899	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	71.642124	472.683	30.398634	113.832906	239.044	272.589416	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	71.492300	452.713	30.248810	117.103341	222.939	275.859852	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	71.401945	432.723	30.158455	120.984834	207.847	279.741344	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	71.379749	412.724	30.136259	125.564913	194.014	284.321423	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	71.436135	392.728	30.192646	130.919279	181.738	289.675790	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	71.583707	372.748	30.340217	137.089440	171.361	295.845950	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	71.837823	352.801	30.594333	144.051734	163.255	302.808244	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	72.217364	332.906	30.973874	151.685757	157.774	310.442267	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	72.452508	323.316	31.209018	155.551483	156.154	314.307993	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	72.745304	313.087	31.501814	159.759916	155.198	318.516426	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	73.440121	293.363	32.196631	167.956384	155.622	326.712894	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	74.314740	273.746	33.071250	175.946159	158.929	334.702669	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	75.385406	254.244	34.141916	183.463773	164.852	342.220283	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	76.673508	234.865	35.430018	190.346048	173.034	349.102558	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	77.480388	224.314	36.236898	193.817744	178.329	352.574254	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	78.208240	215.615	36.964750	196.531538	183.092	355.288048	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	80.043387	196.515	38.799897	202.026630	194.693	360.783140	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	82.271313	177.614	41.027823	206.872222	207.576	365.628733	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	85.025518	158.982	43.782029	211.130080	221.518	369.886590	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	88.502327	140.725	47.258837	214.869214	236.332	373.625724	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	92.997249	123.013	51.753759	218.157411	251.864	376.913921	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	98.961934	106.116	57.718444	221.056897	267.989	379.813407	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	107.080141	90.494	65.836651	223.622623	284.606	382.379133	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	118.306582	76.926	77.063092	225.902029	301.634	384.658539	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	133.610626	66.680	92.367136	227.935538	319.008	386.692048	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	152.881572	61.438	111.638082	229.757354	336.673	388.513864	9.650

RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	173.494943	62.476	132.251453	231.396332	354.586	390.152842	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	191.642656	69.510	150.399166	232.876802	372.711	391.633312	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	205.562727	80.995	164.319237	234.219306	391.019	392.975816	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	215.673898	95.335	174.430408	235.441227	409.486	394.197737	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	223.008590	111.433	181.765100	236.557324	428.090	395.313834	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	228.439290	128.630	187.195800	237.580168	446.815	396.336678	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	232.566786	146.541	191.323296	238.520509	465.646	397.277019	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	235.784918	164.933	194.541428	239.387578	484.571	398.144089	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	238.352234	183.661	197.108744	240.189331	503.579	398.945841	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	240.441711	202.632	199.198221	240.932653	522.661	399.689163	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	242.171921	221.784	200.928431	241.623523	541.809	0.380033	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	243.626175	241.074	202.382685	242.267158	561.016	1.023668	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	244.864404	260.471	203.620914	242.868123	580.277	1.624633	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	245.930655	279.953	204.687165	243.430428	599.587	2.186938	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	246.857938	299.503	205.614448	243.957607	618.940	2.714117	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	247.671432	319.109	206.427942	244.452785	638.333	3.209296	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	248.390649	338.761	207.147159	244.918737	657.763	3.675247	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	249.030924	358.452	207.787434	245.357929	677.226	4.114439	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	249.604467	378.175	208.360978	245.772564	696.719	4.529074	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	250.121115	397.926	208.877625	246.164613	716.240	4.921123	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	250.588873	417.700	209.345383	246.535845	735.787	5.292355	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	251.014324	437.495	209.770835	246.887852	755.358	5.644362	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	251.402927	457.308	210.159437	247.222070	774.950	5.978580	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	251.759243	477.136	210.515753	247.539796	794.563	6.296307	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	252.087116	496.978	210.843627	247.842208	814.195	6.598719	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	252.389807	516.833	211.146317	248.130374	833.844	6.886884	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	252.627132	533.553	211.383642	248.362613	850.396	7.119123	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	252.669899	536.698	211.426409	248.405144	853.510	7.161654	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	252.920201	556.582	211.676711	248.661350	873.205	7.417860	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	253.138580	576.487	211.895090	248.896874	892.937	7.653384	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	253.328203	596.411	212.084713	249.113022	912.700	7.869532	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	253.491838	616.350	212.248348	249.311000	932.494	8.067510	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	253.631910	636.303	212.388420	249.491915	952.313	8.248425	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	253.750555	656.266	212.507065	249.656790	972.158	8.413300	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	253.849660	676.239	212.606171	249.806571	992.024	8.563081	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	253.930901	696.220	212.687411	249.942131	1011.909	8.698641	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	253.995765	716.207	212.752275	250.064280	1031.813	8.820790	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	254.045584	736.199	212.802094	250.173769	1051.733	8.930279	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	254.081546	756.194	212.838056	250.271295	1071.666	9.027805	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 1547.122 Dis= 155.007

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	254.104721	776.192	212.861231	250.357505	1091.613	9.114015	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	254.116072	796.192	212.872582	250.433003	1111.570	9.189513	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	254.116466	816.192	212.872976	250.498349	1131.537	9.254859	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	254.106691	836.191	212.863201	250.554068	1151.512	9.310578	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	254.087459	856.190	212.843969	250.600648	1171.494	9.357158	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	254.059418	876.186	212.815928	250.638548	1191.481	9.395058	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	254.023159	896.180	212.779670	250.668193	1211.473	9.424703	7.536

CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	253.979222	916.170	212.735732	250.689985	1231.469	9.446495	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	253.928099	936.156	212.684609	250.704299	1251.467	9.460809	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	253.897784	946.906	212.654294	250.709030	1262.226	9.465540	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	253.871189	956.138	212.627699	250.712200	1271.466	9.468710	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	253.815352	976.120	212.571862	250.718905	1291.466	9.475415	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	253.761755	996.103	212.518265	250.725406	1311.465	9.481916	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	253.710267	1016.086	212.466777	250.731711	1331.465	9.488221	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	253.660764	1036.070	212.417274	250.737830	1351.465	9.494340	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	253.613135	1056.055	212.369645	250.743770	1371.464	9.500280	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	253.567275	1076.040	212.323786	250.749539	1391.464	9.506049	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	253.553550	1082.170	212.310060	250.751276	1397.597	9.507786	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1759.013 Dis= 243.322

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	86.827943	1813.196	98.326890	93.919507	1819.155	305.418454	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	86.996833	1793.776	98.495780	94.163091	1800.392	305.662038	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	87.169417	1774.370	98.668364	94.411801	1781.656	305.910748	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	87.345817	1754.977	98.844764	94.665794	1762.947	306.164741	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	87.508341	1737.493	99.007288	94.899610	1746.093	306.398557	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	87.526158	1735.598	99.025105	94.925230	1744.268	306.424177	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	87.709791	1716.227	99.208738	95.189534	1725.610	306.688481	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	87.893687	1696.844	99.392634	95.455853	1706.943	306.954800	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	88.074229	1677.425	99.573176	95.720786	1688.232	307.219734	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	88.247613	1657.948	99.746560	95.980762	1669.444	307.479709	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	88.399658	1639.673	99.898605	96.215947	1651.785	307.714894	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	88.409824	1638.394	99.908771	96.232005	1650.548	307.730952	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	88.557378	1618.754	100.056325	96.471247	1631.523	307.970194	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	88.689145	1599.034	100.188092	96.697475	1612.372	308.196422	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	88.804471	1579.243	100.303418	96.910134	1593.102	308.409081	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	88.902673	1559.390	100.401620	97.108640	1573.722	308.607587	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	88.983038	1539.487	100.481985	97.292384	1554.238	308.791331	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	89.044823	1519.542	100.543770	97.460725	1534.660	308.959672	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	89.087252	1499.568	100.586199	97.612993	1514.996	309.111940	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	89.109517	1479.575	100.608464	97.748483	1495.255	309.247430	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	89.110776	1459.576	100.609723	97.866457	1475.446	309.365405	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	89.090152	1439.582	100.589099	97.966144	1455.578	309.465091	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	89.046736	1419.606	100.545683	98.046732	1435.663	309.545679	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	88.979581	1399.662	100.478528	98.107373	1415.709	309.606320	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	88.887705	1379.763	100.386652	98.147177	1395.729	309.646124	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	88.770091	1359.925	100.269038	98.165214	1375.734	309.664161	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	88.674984	1346.490	100.173931	98.164557	1362.148	309.663504	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	88.625714	1340.161	100.124661	98.160535	1355.734	309.659482	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1759.013 Dis= 243.322

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	88.455203	1320.481	99.954150	98.133847	1335.743	309.632794	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	88.261973	1300.881	99.760920	98.088673	1315.765	309.587620	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	88.049858	1281.349	99.548805	98.029003	1295.803	309.527950	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	87.822889	1261.870	99.321836	97.959072	1275.853	309.458019	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	87.654608	1248.025	99.153555	97.905507	1261.656	309.404455	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	87.585292	1242.423	99.084239	97.883356	1255.909	309.382303	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	87.339844	1222.996	98.838791	97.804892	1235.968	309.303839	9.120

RECTA	620.000	302.737003	0.000	422027.459	4576130.325	87.086476	1203.588	98.585423	97.723855	1216.029	309.222802	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	86.824807	1184.199	98.323755	97.640116	1196.092	309.139063	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	86.554432	1164.831	98.053379	97.553538	1176.158	309.052485	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	86.274919	1145.485	97.773866	97.463975	1156.225	308.962922	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	85.985808	1126.162	97.484755	97.371270	1136.295	308.870217	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	85.686608	1106.862	97.185556	97.275256	1116.367	308.774203	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	85.376797	1087.588	96.875744	97.175751	1096.442	308.674698	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	85.055815	1068.341	96.554762	97.072563	1076.520	308.571510	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	84.723064	1049.121	96.222011	96.965484	1056.600	308.464432	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	84.377903	1029.932	95.876850	96.854291	1036.684	308.353238	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	84.019647	1010.774	95.518594	96.738742	1016.771	308.237689	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	83.647561	991.649	95.146508	96.618577	996.861	308.117524	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	83.260854	972.559	94.759801	96.493515	976.956	307.992462	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	82.858678	953.507	94.357625	96.363251	957.054	307.862198	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	82.440119	934.494	93.939066	96.227454	937.156	307.726401	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	82.004196	915.524	93.503143	96.085767	917.263	307.584714	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	81.549846	896.598	93.048793	95.937799	897.374	307.436746	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	81.075927	877.720	92.574874	95.783124	877.491	307.282071	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	80.581203	858.892	92.080150	95.621278	857.613	307.120225	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	80.315821	849.142	91.814768	95.534293	847.299	307.033240	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	80.064466	840.118	91.563413	95.451890	837.740	306.950837	9.017

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PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1759.013 Dis= 243.322

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	79.527742	821.384	91.026689	95.278113	817.868	306.777060	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	78.976807	802.660	90.475754	95.107245	797.986	306.606192	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	78.418129	783.910	89.917076	94.947526	778.084	306.446473	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	77.858817	765.104	89.357764	94.808085	758.156	306.307032	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	77.535611	754.103	89.034558	94.740147	746.526	306.239094	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	77.306645	746.208	88.805592	94.698964	738.197	306.197911	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	76.766794	727.209	88.265741	94.627632	718.214	306.126579	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	76.240606	708.110	87.739553	94.597669	698.218	306.096616	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	75.729294	688.913	87.228241	94.612753	678.219	306.111700	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	75.234217	669.624	86.733164	94.676979	658.231	306.175926	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	74.756904	650.246	86.255851	94.794914	638.267	306.293861	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	74.299077	630.784	85.798025	94.971665	618.344	306.470612	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	73.862689	611.243	85.361636	95.212947	598.478	306.711894	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	73.449956	591.627	84.948903	95.525168	578.688	307.024115	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	73.063407	571.942	84.562354	95.915517	558.995	307.414464	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	72.705941	552.193	84.204888	96.392074	539.422	307.891021	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	72.380895	532.386	83.879842	96.963916	519.997	308.462863	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	72.092126	512.527	83.591073	97.641247	500.748	309.140194	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	71.844121	492.624	83.343068	98.435525	481.711	309.934472	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	71.642124	472.683	83.141071	99.359596	462.923	310.858543	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	71.492300	452.713	82.991247	100.427818	444.428	311.926765	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	71.401945	432.723	82.900892	101.656162	426.277	313.155109	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	71.379749	412.724	82.878696	103.062271	408.528	314.561218	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	71.436135	392.728	82.935083	104.665434	391.247	316.164381	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	71.583707	372.748	83.082654	106.486430	374.511	317.985378	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	71.837823	352.801	83.336770	108.547171	358.407	320.046118	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	72.217364	332.906	83.716311	110.870042	343.034	322.368989	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	72.452508	323.316	83.951455	112.093229	335.900	323.592176	9.696

Istram 21.04
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1759.013 Dis= 243.322

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	72.745304	313.087	84.244251	113.476539	328.505	324.975486	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	73.440121	293.363	84.939068	116.379583	314.907	327.878530	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	74.314740	273.746	85.813687	119.582883	302.296	331.081830	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	75.385406	254.244	86.884353	123.086230	290.724	334.585177	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	76.673508	234.865	88.172455	126.884863	280.235	338.383810	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	77.480388	224.314	88.979335	129.085169	274.968	340.584116	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	78.208240	215.615	89.707187	130.968811	270.869	342.467758	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	80.043387	196.515	91.542334	135.326122	262.696	346.825069	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	82.271313	177.614	93.770260	139.940017	255.829	351.438964	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	85.025518	158.982	96.524466	144.781372	250.376	356.280319	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	88.502327	140.725	100.001274	149.807770	246.430	361.306717	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	92.997249	123.013	104.496196	154.964448	244.064	366.463395	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	98.961934	106.116	110.460881	160.187093	243.324	371.686040	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	107.080141	90.494	118.579088	165.406273	244.225	376.905220	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	118.306582	76.926	129.805529	170.552830	246.750	382.051777	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	133.610626	66.680	145.109573	175.563218	250.849	387.062165	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	152.881572	61.438	164.380519	180.383798	256.446	391.882745	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	173.494943	62.476	184.993890	184.973454	263.446	396.472401	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	191.642656	69.510	203.141603	189.304358	271.741	0.803306	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	205.562727	80.995	217.061674	193.361203	281.217	4.860150	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	215.673898	95.335	227.172845	197.139390	291.757	8.638337	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	223.008590	111.433	234.507537	200.642753	303.252	12.141700	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	228.439290	128.630	239.938237	203.881243	315.597	15.380190	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	232.566786	146.541	244.065733	206.868858	328.696	18.367805	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	235.784918	164.933	247.283865	209.621950	342.462	21.120897	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	238.352234	183.661	249.851181	212.157932	356.819	23.656879	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	240.441711	202.632	251.940658	214.494354	371.698	25.993301	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	242.171921	221.784	253.670868	216.648279	387.038	28.147226	9.839

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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1759.013 Dis= 243.322

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	243.626175	241.074	255.125122	218.635891	402.788	30.134838	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	244.864404	260.471	256.363351	220.472279	418.900	31.971226	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	245.930655	279.953	257.429602	222.171337	435.336	33.670284	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	246.857938	299.503	258.356885	223.745745	452.058	35.244692	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	247.671432	319.109	259.170379	225.207007	469.037	36.705954	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	248.390649	338.761	259.889596	226.565510	486.246	38.064457	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	249.030924	358.452	260.529871	227.830611	503.662	39.329558	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	249.604467	378.175	261.103415	229.010718	521.262	40.509665	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	250.121115	397.926	261.620062	230.113383	539.031	41.612330	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	250.588873	417.700	262.087820	231.145386	556.950	42.644333	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	251.014324	437.495	262.513272	232.112814	575.007	43.611761	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	251.402927	457.308	262.901874	233.021138	593.188	44.520085	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	251.759243	477.136	263.258190	233.875275	611.483	45.374222	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	252.087116	496.978	263.586064	234.679652	629.882	46.178599	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	252.389807	516.833	263.888754	235.438257	648.375	46.937204	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	252.627132	533.553	264.126079	236.043993	664.010	47.542940	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	252.669899	536.698	264.168846	236.154544	666.957	47.653491	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	252.920201	556.582	264.419148	236.824441	685.648	48.323388	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	253.138580	576.487	264.637527	237.447378	704.456	48.946325	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	253.328203	596.411	264.827150	238.026761	723.371	49.525708	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	253.491838	616.350	264.990785	238.565699	742.385	50.064646	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	253.631910	636.303	265.130857	239.067036	761.488	50.565983	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	253.750555	656.266	265.249502	239.533376	780.674	51.032323	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	253.849660	676.239	265.348608	239.967100	799.936	51.466047	7.576

CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	253.930901	696.220	265.429848	240.370396	819.267	51.869343	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	253.995765	716.207	265.494712	240.745270	838.662	52.244217	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	254.045584	736.199	265.544531	241.093564	858.116	52.592511	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	254.081546	756.194	265.580493	241.416974	877.624	52.915922	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 1759.013 Dis= 243.322

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	254.104721	776.192	265.603668	241.717062	897.182	53.216009	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	254.116072	796.192	265.615019	241.995266	916.785	53.494213	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	254.116466	816.192	265.615413	242.252915	936.431	53.751862	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	254.106691	836.191	265.605638	242.491237	956.115	53.990184	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	254.087459	856.190	265.586406	242.711367	975.834	54.210314	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	254.059418	876.186	265.558365	242.914356	995.585	54.413303	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	254.023159	896.180	265.522107	243.101180	1015.366	54.600127	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	253.979222	916.170	265.478169	243.272742	1035.174	54.771689	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	253.928099	936.156	265.427046	243.429885	1055.007	54.928832	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	253.897784	946.906	265.396731	243.508732	1065.686	55.007680	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	253.871189	956.138	265.370136	243.574227	1074.861	55.073174	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	253.815352	976.120	265.314299	243.712219	1094.722	55.211166	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	253.761755	996.103	265.260702	243.845292	1114.589	55.344239	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	253.710267	1016.086	265.209214	243.973703	1134.460	55.472650	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	253.660764	1036.070	265.159711	244.097694	1154.335	55.596641	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	253.613135	1056.055	265.112082	244.217486	1174.215	55.716433	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	253.567275	1076.040	265.066223	244.333289	1194.098	55.832236	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	253.553550	1082.170	265.052497	244.368036	1200.197	55.866983	8.443

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PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	86.827943	1813.196	227.747191	84.350362	1980.120	25.269610	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	86.996833	1793.776	227.916080	84.480227	1960.528	25.399475	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	87.169417	1774.370	228.088665	84.612713	1940.945	25.531961	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	87.345817	1754.977	228.265065	84.747899	1921.370	25.667146	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	87.508341	1737.493	228.427589	84.872247	1903.717	25.791495	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	87.526158	1735.598	228.445405	84.885867	1901.804	25.805114	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	87.709791	1716.227	228.629038	85.025985	1882.242	25.945232	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	87.893687	1696.844	228.812934	85.165431	1862.667	26.084679	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	88.074229	1677.425	228.993476	85.300850	1843.059	26.220098	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	88.247613	1657.948	229.166861	85.428728	1823.401	26.347975	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	88.399658	1639.673	229.318905	85.538175	1804.969	26.457422	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	88.409824	1638.394	229.329072	85.545372	1803.680	26.464619	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	88.557378	1618.754	229.476626	85.647597	1783.889	26.566845	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	88.689145	1599.034	229.608392	85.734392	1764.036	26.653639	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	88.804471	1579.243	229.723718	85.805181	1744.132	26.724429	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	88.902673	1559.390	229.821921	85.859374	1724.187	26.778622	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	88.983038	1539.487	229.902286	85.896357	1704.212	26.815605	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	89.044823	1519.542	229.964071	85.915496	1684.219	26.834744	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	89.087252	1499.568	230.006500	85.916137	1664.220	26.835385	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	89.109517	1479.575	230.028764	85.897605	1644.226	26.816852	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	89.110776	1459.576	230.030023	85.859203	1624.251	26.778450	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	89.090152	1439.582	230.009400	85.800215	1604.308	26.719463	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	89.046736	1419.606	229.965984	85.719906	1584.409	26.639154	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	88.979581	1399.662	229.898828	85.617520	1564.571	26.536768	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	88.887705	1379.763	229.806952	85.492285	1544.807	26.411532	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	88.770091	1359.925	229.689339	85.343409	1525.132	26.262657	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	88.674984	1346.490	229.594231	85.228387	1511.826	26.147634	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	88.625714	1340.161	229.544961	85.170110	1505.562	26.089358	8.535

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PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	88.455203	1320.481	229.374451	84.973077	1486.106	25.892325	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	88.261973	1300.881	229.181221	84.755433	1466.754	25.674680	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	88.049858	1281.349	228.969106	84.520639	1447.489	25.439887	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	87.822889	1261.870	228.742136	84.272296	1428.292	25.191544	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	87.654608	1248.025	228.573856	84.089327	1414.654	25.008575	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	87.585292	1242.423	228.504540	84.014140	1409.137	24.933387	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	87.339844	1222.996	228.259092	83.748613	1390.008	24.667861	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	87.086476	1203.588	228.005724	83.475682	1370.904	24.394929	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	86.824807	1184.199	227.744055	83.195041	1351.825	24.114288	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	86.554432	1164.831	227.473680	82.906371	1332.774	23.825619	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	86.274919	1145.485	227.194167	82.609335	1313.751	23.528583	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	85.985808	1126.162	226.905055	82.303578	1294.757	23.222825	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	85.686608	1106.862	226.605856	81.988723	1275.794	22.907971	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	85.376797	1087.588	226.296045	81.664376	1256.863	22.583623	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	85.055815	1068.341	225.975063	81.330118	1237.966	22.249365	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	84.723064	1049.121	225.642311	80.985506	1219.104	21.904754	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	84.377903	1029.932	225.297151	80.630074	1200.278	21.549322	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	84.019647	1010.774	224.938895	80.263327	1181.492	21.182575	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	83.647561	991.649	224.566808	79.884742	1162.746	20.803990	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	83.260854	972.559	224.180101	79.493764	1144.042	20.413011	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	82.858678	953.507	223.777925	79.089805	1125.383	20.009052	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	82.440119	934.494	223.359367	78.672242	1106.771	19.591489	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	82.004196	915.524	222.923443	78.240414	1088.208	19.159661	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	81.549846	896.598	222.469094	77.793619	1069.697	18.712867	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	81.075927	877.720	221.995175	77.331112	1051.240	18.250360	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	80.581203	858.892	221.500450	76.852101	1032.841	17.771349	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	80.315821	849.142	221.235068	76.596731	1023.316	17.515978	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	80.064466	840.118	220.983713	76.355848	1014.501	17.275096	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	79.527742	821.384	220.446990	75.844254	996.206	16.763501	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	78.976807	802.660	219.896054	75.322206	977.917	16.241454	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	78.418129	783.910	219.337377	74.795083	959.596	15.714330	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	77.858817	765.104	218.778065	74.268686	941.205	15.187934	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	77.535611	754.103	218.454858	73.964687	930.438	14.883935	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	77.306645	746.208	218.225892	73.749256	922.707	14.668503	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	76.766794	727.209	217.686041	73.240878	904.085	14.160126	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	76.240606	708.110	217.159853	72.744547	885.341	13.663794	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	75.729294	688.913	216.648541	72.261125	866.480	13.180372	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	75.234217	669.624	216.153465	71.791559	847.505	12.710807	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	74.756904	650.246	215.676151	71.336888	828.422	12.256136	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	74.299077	630.784	215.218325	70.898255	809.235	11.817503	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	73.862689	611.243	214.781937	70.476921	789.948	11.396168	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	73.449956	591.627	214.369203	70.074276	770.567	10.993524	8.945

CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	73.063407	571.942	213.982655	69.691864	751.097	10.611112	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	72.705941	552.193	213.625189	69.331398	731.542	10.250646	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	72.380895	532.386	213.300142	68.994784	711.910	9.914032	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	72.092126	512.527	213.011374	68.684151	692.206	9.603399	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	71.844121	492.624	212.763369	68.401880	672.437	9.321128	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	71.642124	472.683	212.561372	68.150647	652.609	9.069895	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	71.492300	452.713	212.411548	67.933463	632.730	8.852711	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	71.401945	432.723	212.321193	67.753730	612.808	8.672977	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	71.379749	412.724	212.298996	67.615303	592.852	8.534550	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	71.436135	392.728	212.355383	67.522566	572.870	8.441814	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	71.583707	372.748	212.502955	67.480524	552.874	8.399772	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	71.837823	352.801	212.757071	67.494908	532.875	8.414156	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	72.217364	332.906	213.136612	67.572307	512.886	8.491555	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	72.452508	323.316	213.371756	67.634517	503.232	8.553765	9.696

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	72.745304	313.087	213.664551	67.720036	492.920	8.639283	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	73.440121	293.363	214.359368	67.940105	472.990	8.859352	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	74.314740	273.746	215.233988	68.228386	453.101	9.147634	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	75.385406	254.244	216.304653	68.579739	433.251	9.498986	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	76.673508	234.865	217.592755	68.988071	413.436	9.907319	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	77.480388	224.314	218.399636	69.233086	402.605	10.152334	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	78.208240	215.615	219.127488	69.446360	393.648	10.365608	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	80.043387	196.515	220.962634	69.953585	373.883	10.872833	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	82.271313	177.614	223.190560	70.517391	354.144	11.436638	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	85.025518	158.982	225.944766	71.147699	334.437	12.066946	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	88.502327	140.725	229.421574	71.856863	314.766	12.776111	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	92.997249	123.013	233.916496	72.660456	295.139	13.579704	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	98.961934	106.116	239.881181	73.578368	275.567	14.497615	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	107.080141	90.494	247.999388	74.636381	256.060	15.555629	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	118.306582	76.926	259.225829	75.868478	236.636	16.787726	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	133.610626	66.680	274.529873	77.320275	217.316	18.239523	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	152.881572	61.438	293.800820	79.054279	198.131	19.973526	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	173.494943	62.476	314.414191	81.158113	179.124	22.077361	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	191.642656	69.510	332.561904	83.757733	160.360	24.676980	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	205.562727	80.995	346.481974	87.039083	141.933	27.958330	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	215.673898	95.335	356.593146	91.284049	123.995	32.203296	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	223.008590	111.433	363.927838	96.929105	106.792	37.848353	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	228.439290	128.630	369.358538	104.651618	90.742	45.570866	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	232.566786	146.541	373.486033	115.446571	76.576	56.365819	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	235.784918	164.933	376.704166	130.463160	65.526	71.382407	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	238.352234	183.661	379.271481	149.959956	59.358	90.879203	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	240.441711	202.632	381.360959	171.465745	59.607	112.384992	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	242.171921	221.784	383.091168	190.673423	66.202	131.592671	9.839

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Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	243.626175	241.074	384.545423	205.345455	77.540	146.264702	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	244.864404	260.471	385.783652	215.871503	91.881	156.790750	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	245.930655	279.953	386.849902	223.409494	108.037	164.328741	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	246.857938	299.503	387.777185	228.930779	125.306	169.850027	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	247.671432	319.109	388.590680	233.091486	143.288	174.010734	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	248.390649	338.761	389.309897	236.313950	161.744	177.233198	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	249.030924	358.452	389.950172	238.871245	180.529	179.790492	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	249.604467	378.175	390.523715	240.943842	199.551	181.863090	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	250.121115	397.926	391.040362	242.654236	218.747	183.573483	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	250.588873	417.700	391.508121	244.087806	238.076	185.007054	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	251.014324	437.495	391.933572	245.305569	257.507	186.224816	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	251.402927	457.308	392.322174	246.352122	277.019	187.271369	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	251.759243	477.136	392.678490	247.260736	296.596	188.179984	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	252.087116	496.978	393.006364	248.056690	316.226	188.975938	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	252.389807	516.833	393.309054	248.759505	335.900	189.678753	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	252.627132	533.553	393.546380	249.290239	352.489	190.209486	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	252.669899	536.698	393.589147	249.384186	355.610	190.303434	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	252.920201	556.582	393.839449	249.928779	375.364	190.848027	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	253.138580	576.487	394.057827	250.397621	395.162	191.316868	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	253.328203	596.411	394.247451	250.801420	414.996	191.720667	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	253.491838	616.350	394.411085	251.148981	434.861	192.068229	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	253.631910	636.303	394.551157	251.447604	454.752	192.366852	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	253.750555	656.266	394.669802	251.703391	474.665	192.622638	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	253.849660	676.239	394.768908	251.921476	494.596	192.840724	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	253.930901	696.220	394.850148	252.106213	514.542	193.025461	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	253.995765	716.207	394.915013	252.261314	534.501	193.180562	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	254.045584	736.199	394.964831	252.389965	554.471	193.309212	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	254.081546	756.194	395.000793	252.494911	574.449	193.414158	7.363

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Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	254.104721	776.192	395.023969	252.578535	594.435	193.497783	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	254.116072	796.192	395.035319	252.642912	614.425	193.562159	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	254.116466	816.192	395.035714	252.689856	634.420	193.609104	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	254.106691	836.191	395.025939	252.720964	654.417	193.640211	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	254.087459	856.190	395.006706	252.737641	674.417	193.656889	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	254.059418	876.186	394.978666	252.741134	694.417	193.660382	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	254.023159	896.180	394.942407	252.732551	714.416	193.651798	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	253.979222	916.170	394.898470	252.712877	734.415	193.632125	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	253.928099	936.156	394.847346	252.682997	754.412	193.602244	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	253.897784	946.906	394.817032	252.662980	765.168	193.582227	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	253.871189	956.138	394.790437	252.644870	774.407	193.564118	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	253.815352	976.120	394.734600	252.607117	794.401	193.526364	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	253.761755	996.103	394.681003	252.571217	814.396	193.490465	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	253.710267	1016.086	394.629514	252.537039	834.391	193.456286	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	253.660764	1036.070	394.580012	252.504459	854.387	193.423707	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	253.613135	1056.055	394.532383	252.473370	874.382	193.392618	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	253.567275	1076.040	394.486523	252.443672	894.378	193.362919	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	253.553550	1082.170	394.472798	252.434828	900.510	193.354075	8.443

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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	84.350362	1980.120	25.269610	86.827943	1813.196	227.747191	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	84.480227	1960.528	25.399475	86.996833	1793.776	227.916080	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	84.612713	1940.945	25.531961	87.169417	1774.370	228.088665	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	84.747899	1921.370	25.667146	87.345817	1754.977	228.265065	7.949

CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	84.872247	1903.717	25.791495	87.508341	1737.493	228.427589	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	84.885867	1901.804	25.805114	87.526158	1735.598	228.445405	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	85.025985	1882.242	25.945232	87.709791	1716.227	228.629038	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	85.165431	1862.667	26.084679	87.893687	1696.844	228.812934	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	85.300850	1843.059	26.220098	88.074229	1677.425	228.993476	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	85.428728	1823.401	26.347975	88.247613	1657.948	229.166861	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	85.538175	1804.969	26.457422	88.399658	1639.673	229.318905	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	85.545372	1803.680	26.464619	88.409824	1638.394	229.329072	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	85.647597	1783.889	26.566845	88.557378	1618.754	229.476626	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	85.734392	1764.036	26.653639	88.689145	1599.034	229.608392	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	85.805181	1744.132	26.724429	88.804471	1579.243	229.723718	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	85.859374	1724.187	26.778622	88.902673	1559.390	229.821921	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	85.896357	1704.212	26.815605	88.983038	1539.487	229.902286	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	85.915496	1684.219	26.834744	89.044823	1519.542	229.964071	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	85.916137	1664.220	26.835385	89.087252	1499.568	230.006500	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	85.897605	1644.226	26.816852	89.109517	1479.575	230.028764	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	85.859203	1624.251	26.778450	89.110776	1459.576	230.030023	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	85.800215	1604.308	26.719463	89.090152	1439.582	230.009400	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	85.719906	1584.409	26.639154	89.046736	1419.606	229.965984	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	85.617520	1564.571	26.536768	88.979581	1399.662	229.898828	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	85.492285	1544.807	26.411532	88.887705	1379.763	229.806952	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	85.343409	1525.132	26.262657	88.770091	1359.925	229.689339	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	85.228387	1511.826	26.147634	88.674984	1346.490	229.594231	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	85.170110	1505.562	26.089358	88.625714	1340.161	229.544961	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	84.973077	1486.106	25.892325	88.455203	1320.481	229.374451	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	84.755433	1466.754	25.674680	88.261973	1300.881	229.181221	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	84.520639	1447.489	25.439887	88.049858	1281.349	228.969106	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	84.272296	1428.292	25.191544	87.822889	1261.870	228.742136	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	84.089327	1414.654	25.008575	87.654608	1248.025	228.573856	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	84.014140	1409.137	24.933387	87.585292	1242.423	228.504540	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	83.748613	1390.008	24.667861	87.339844	1222.996	228.259092	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	83.475682	1370.904	24.394929	87.086476	1203.588	228.005724	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	83.195041	1351.825	24.114288	86.824807	1184.199	227.744055	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	82.906371	1332.774	23.825619	86.554432	1164.831	227.473680	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	82.609335	1313.751	23.528583	86.274919	1145.485	227.194167	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	82.303578	1294.757	23.222825	85.985808	1126.162	226.905055	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	81.988723	1275.794	22.907971	85.686608	1106.862	226.605856	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	81.664376	1256.863	22.583623	85.376797	1087.588	226.296045	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	81.330118	1237.966	22.249365	85.055815	1068.341	225.975063	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	80.985506	1219.104	21.904754	84.723064	1049.121	225.642311	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	80.630074	1200.278	21.549322	84.377903	1029.932	225.297151	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	80.263327	1181.492	21.182575	84.019647	1010.774	224.938895	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	79.884742	1162.746	20.803990	83.647561	991.649	224.566808	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	79.493764	1144.042	20.413011	83.260854	972.559	224.180101	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	79.089805	1125.383	20.009052	82.858678	953.507	223.777925	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	78.672242	1106.771	19.591489	82.440119	934.494	223.359367	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	78.240414	1088.208	19.159661	82.004196	915.524	222.923443	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	77.793619	1069.697	18.712867	81.549846	896.598	222.469094	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	77.331112	1051.240	18.250360	81.075927	877.720	221.995175	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	76.852101	1032.841	17.771349	80.581203	858.892	221.500450	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	76.596731	1023.316	17.515978	80.315821	849.142	221.235068	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	76.355848	1014.501	17.275096	80.064466	840.118	220.983713	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	75.844254	996.206	16.763501	79.527742	821.384	220.446990	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	75.322206	977.917	16.241454	78.976807	802.660	219.896054	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	74.795083	959.596	15.714330	78.418129	783.910	219.337377	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	74.268686	941.205	15.187934	77.858817	765.104	218.778065	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	73.964687	930.438	14.883935	77.535611	754.103	218.454858	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	73.749256	922.707	14.668503	77.306645	746.208	218.225892	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	73.240878	904.085	14.160126	76.766794	727.209	217.686041	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	72.744547	885.341	13.663794	76.240606	708.110	217.159853	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	72.261125	866.480	13.180372	75.729294	688.913	216.648541	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	71.791559	847.505	12.710807	75.234217	669.624	216.153465	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	71.336888	828.422	12.256136	74.756904	650.246	215.676151	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	70.898255	809.235	11.817503	74.299077	630.784	215.218325	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	70.476921	789.948	11.396168	73.862689	611.243	214.781937	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	70.074276	770.567	10.993524	73.449956	591.627	214.369203	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	69.691864	751.097	10.611112	73.063407	571.942	213.982655	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	69.331398	731.542	10.250646	72.705941	552.193	213.625189	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	68.994784	711.910	9.914032	72.380895	532.386	213.300142	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	68.684151	692.206	9.603399	72.092126	512.527	213.011374	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	68.401880	672.437	9.321128	71.844121	492.624	212.763369	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	68.150647	652.609	9.069895	71.642124	472.683	212.561372	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	67.933463	632.730	8.852711	71.492300	452.713	212.411548	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	67.753730	612.808	8.672977	71.401945	432.723	212.321193	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	67.615303	592.852	8.534550	71.379749	412.724	212.298996	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	67.522566	572.870	8.441814	71.436135	392.728	212.355383	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	67.480524	552.874	8.399772	71.583707	372.748	212.502955	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	67.494908	532.875	8.414156	71.837823	352.801	212.757071	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	67.572307	512.886	8.491555	72.217364	332.906	213.136612	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	67.634517	503.232	8.553765	72.452508	323.316	213.371756	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	67.720036	492.920	8.639283	72.745304	313.087	213.664551	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	67.940105	472.990	8.859352	73.440121	293.363	214.359368	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	68.228386	453.101	9.147634	74.314740	273.746	215.233988	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	68.579739	433.251	9.498986	75.385406	254.244	216.304653	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	68.988071	413.436	9.907319	76.673508	234.865	217.592755	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	69.233086	402.605	10.152334	77.480388	224.314	218.399636	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	69.446360	393.648	10.365608	78.208240	215.615	219.127488	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	69.953585	373.883	10.872833	80.043387	196.515	220.962634	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	70.517391	354.144	11.436638	82.271313	177.614	223.190560	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	71.147699	334.437	12.066946	85.025518	158.982	225.944766	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	71.856863	314.766	12.776111	88.502327	140.725	229.421574	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	72.660456	295.139	13.579704	92.997249	123.013	233.916496	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	73.578368	275.567	14.497615	98.961934	106.116	239.881181	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	74.636381	256.060	15.555629	107.080141	90.494	247.999388	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	75.868478	236.636	16.787726	118.306582	76.926	259.225829	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	77.320275	217.316	18.239523	133.610626	66.680	274.529873	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	79.054279	198.131	19.973526	152.881572	61.438	293.800820	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	81.158113	179.124	22.077361	173.494943	62.476	314.414191	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	83.757733	160.360	24.676980	191.642656	69.510	332.561904	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	87.039083	141.933	27.958330	205.562727	80.995	346.481974	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	91.284049	123.995	32.203296	215.673898	95.335	356.593146	9.932

RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	96.929105	106.792	37.848353	223.008590	111.433	363.927838	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	104.651618	90.742	45.570866	228.439290	128.630	369.358538	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	115.446571	76.576	56.365819	232.566786	146.541	373.486033	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	130.463160	65.526	71.382407	235.784918	164.933	376.704166	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	149.959956	59.358	90.879203	238.352234	183.661	379.271481	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	171.465745	59.607	112.384992	240.441711	202.632	381.360959	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	190.673423	66.202	131.592671	242.171921	221.784	383.091168	9.839

Istram 21.04
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Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	205.345455	77.540	146.264702	243.626175	241.074	384.545423	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	215.871503	91.881	156.790750	244.864404	260.471	385.783652	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	223.409494	108.037	164.328741	245.930655	279.953	386.849902	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	228.930779	125.306	169.850027	246.857938	299.503	387.777185	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	233.091486	143.288	174.010734	247.671432	319.109	388.590680	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	236.313950	161.744	177.233198	248.390649	338.761	389.309897	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	238.871245	180.529	179.790492	249.030924	358.452	389.950172	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	240.943842	199.551	181.863090	249.604467	378.175	390.523715	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	242.654236	218.747	183.573483	250.121115	397.926	391.040362	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	244.087806	238.076	185.007054	250.588873	417.700	391.508121	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	245.305569	257.507	186.224816	251.014324	437.495	391.933572	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	246.352122	277.019	187.271369	251.402927	457.308	392.322174	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	247.260736	296.596	188.179984	251.759243	477.136	392.678490	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	248.056690	316.226	188.975938	252.087116	496.978	393.006364	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	248.759505	335.900	189.678753	252.389807	516.833	393.309054	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	249.290239	352.489	190.209486	252.627132	533.553	393.546380	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	249.384186	355.610	190.303434	252.669899	536.698	393.589147	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	249.928779	375.364	190.848027	252.920201	556.582	393.839449	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	250.397621	395.162	191.316868	253.138580	576.487	394.057827	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	250.801420	414.996	191.720667	253.328203	596.411	394.247451	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	251.148981	434.861	192.068229	253.491838	616.350	394.411085	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	251.447604	454.752	192.366852	253.631910	636.303	394.551157	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	251.703391	474.665	192.622638	253.750555	656.266	394.669802	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	251.921476	494.596	192.840724	253.849660	676.239	394.768908	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	252.106213	514.542	193.025461	253.930901	696.220	394.850148	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	252.261314	534.501	193.180562	253.995765	716.207	394.915013	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	252.389965	554.471	193.309212	254.045584	736.199	394.964831	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	252.494911	574.449	193.414158	254.081546	756.194	395.000793	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 1846.787 Dis= 61.062

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	252.578535	594.435	193.497783	254.104721	776.192	395.023969	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	252.642912	614.425	193.562159	254.116072	796.192	395.035319	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	252.689856	634.420	193.609104	254.116466	816.192	395.035714	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	252.720964	654.417	193.640211	254.106691	836.191	395.025939	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	252.737641	674.417	193.656889	254.087459	856.190	395.006706	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	252.741134	694.417	193.660382	254.059418	876.186	394.978666	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	252.732551	714.416	193.651798	254.023159	896.180	394.942407	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	252.712877	734.415	193.632125	253.979222	916.170	394.898470	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	252.682997	754.412	193.602244	253.928099	936.156	394.847346	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	252.662980	765.168	193.582227	253.897784	946.906	394.817032	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	252.644870	774.407	193.564118	253.871189	956.138	394.790437	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	252.607117	794.401	193.526364	253.815352	976.120	394.734600	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	252.571217	814.396	193.490465	253.761755	996.103	394.681003	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	252.537039	834.391	193.456286	253.710267	1016.086	394.629514	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	252.504459	854.387	193.423707	253.660764	1036.070	394.580012	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	252.473370	874.382	193.392618	253.613135	1056.055	394.532383	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	252.443672	894.378	193.362919	253.567275	1076.040	394.486523	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	252.434828	900.510	193.354075	253.553550	1082.170	394.472798	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	84.350362	1980.120	224.559818	81.670387	2211.209	21.879843	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	84.480227	1960.528	224.689683	81.762506	2191.464	21.971962	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	84.612713	1940.945	224.822169	81.856301	2171.724	22.065756	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	84.747899	1921.370	224.957355	81.951815	2151.989	22.161271	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	84.872247	1903.717	225.081703	82.039503	2134.188	22.248959	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	84.885867	1901.804	225.095322	82.049098	2132.259	22.258553	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	85.025985	1882.242	225.235441	82.147552	2112.530	22.357008	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	85.165431	1862.667	225.374887	82.244617	2092.788	22.454073	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	85.300850	1843.059	225.510306	82.337265	2073.020	22.546721	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	85.428728	1823.401	225.638183	82.422338	2053.211	22.631793	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	85.538175	1804.969	225.747630	82.492093	2034.651	22.701548	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	85.545372	1803.680	225.754827	82.496538	2033.354	22.705994	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	85.647597	1783.889	225.857053	82.557045	2013.447	22.766500	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	85.734392	1764.036	225.943847	82.602989	1993.500	22.812445	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	85.805181	1744.132	226.014637	82.633904	1973.523	22.843360	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	85.859374	1724.187	226.068830	82.649310	1953.529	22.858766	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	85.896357	1704.212	226.105813	82.648717	1933.530	22.858173	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	85.915496	1684.219	226.124952	82.631623	1913.537	22.841079	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	85.916137	1664.220	226.125593	82.597517	1893.564	22.806973	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	85.897605	1644.226	226.107060	82.545878	1873.623	22.755334	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	85.859203	1624.251	226.068658	82.476176	1853.727	22.685632	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	85.800215	1604.308	226.009671	82.387872	1833.892	22.597327	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	85.719906	1584.409	225.929362	82.280420	1814.131	22.489876	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	85.617520	1564.571	225.826976	82.153271	1794.459	22.362727	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	85.492285	1544.807	225.701740	82.005868	1774.891	22.215324	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	85.343409	1525.132	225.552865	81.837655	1755.443	22.047111	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	85.228387	1511.826	225.437843	81.711236	1742.309	21.920691	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	85.170110	1505.562	225.379566	81.648091	1736.131	21.857547	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	84.973077	1486.106	225.182533	81.437905	1716.961	21.647361	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	84.755433	1466.754	224.964888	81.209892	1697.919	21.419348	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	84.520639	1447.489	224.730095	80.967105	1678.984	21.176560	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	84.272296	1428.292	224.481752	80.712681	1660.130	20.922137	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	84.089327	1414.654	224.298783	80.526269	1646.742	20.735725	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	84.014140	1409.137	224.223595	80.449846	1641.327	20.659302	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	83.748613	1390.008	223.958069	80.180705	1622.554	20.390161	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	83.475682	1370.904	223.685137	79.905269	1603.812	20.114725	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	83.195041	1351.825	223.404497	79.623325	1585.100	19.832781	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	82.906371	1332.774	223.115827	79.334650	1566.419	19.544106	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	82.609335	1313.751	222.818791	79.039013	1547.772	19.248469	9.384

RECTA	700.000	302.737003	0.000	421947.533	4576133.764	82.303578	1294.757	222.513033	78.736173	1529.159	18.945629		9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	81.988723	1275.794	222.198179	78.425877	1510.582	18.635332		9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	81.664376	1256.863	221.873832	78.107861	1492.041	18.317317		9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	81.330118	1237.966	221.539573	77.781850	1473.539	17.991306		9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	80.985506	1219.104	221.194962	77.447558	1455.076	17.657014		9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	80.630074	1200.278	220.839530	77.104682	1436.654	17.314138		9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	80.263327	1181.492	220.472783	76.752910	1418.275	16.962366		9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	79.884742	1162.746	220.094198	76.391913	1399.940	16.601368		9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	79.493764	1144.042	219.703219	76.021346	1381.652	16.230802		9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	79.089805	1125.383	219.299260	75.640851	1363.412	15.850307		9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	78.672242	1106.771	218.881697	75.250052	1345.221	15.459507		9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	78.240414	1088.208	218.449870	74.848554	1327.083	15.058010		9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	77.793619	1069.697	218.003075	74.435946	1308.999	14.645402		9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	77.331112	1051.240	217.540568	74.011797	1290.972	14.221253		9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	76.852101	1032.841	217.061557	73.575654	1273.003	13.785110		9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	76.596731	1023.316	216.806186	73.344429	1263.702	13.553885		9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	76.355848	1014.501	216.565304	73.127127	1255.096	13.336582		9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	75.844254	996.206	216.053709	72.667917	1237.229	12.877373	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	75.322206	977.917	215.531662	72.202055	1219.363	12.411510	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	74.795083	959.596	215.004538	71.733904	1201.453	11.943359	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	74.268686	941.205	214.478142	71.268108	1183.456	11.477563	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	73.964687	930.438	214.174143	70.999661	1172.911	11.209117	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	73.749256	922.707	213.958711	70.809591	1165.333	11.019047	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	73.240878	904.085	213.450334	70.361549	1147.064	10.571004	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	72.744547	885.341	212.954002	69.924743	1128.651	10.134199	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	72.261125	866.480	212.470581	69.499825	1110.100	9.709280	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	71.791559	847.505	212.001015	69.087492	1091.414	9.296948	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	71.336888	828.422	211.546344	68.688496	1072.599	8.897951	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	70.898255	809.235	211.107711	68.303645	1053.660	8.513101	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	70.476921	789.948	210.686376	67.933814	1034.603	8.143270	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	70.074276	770.567	210.283732	67.579944	1015.432	7.789399	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	69.691864	751.097	209.901320	67.243054	996.154	7.452509	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	69.331398	731.542	209.540854	66.924247	976.774	7.133702	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	68.994784	711.910	209.204240	66.624719	957.299	6.834175	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	68.684151	692.206	208.893607	66.345768	937.735	6.555224	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	68.401880	672.437	208.611336	66.088805	918.089	6.298261	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	68.150647	652.609	208.360103	65.855367	898.369	6.064823	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	67.933463	632.730	208.142919	65.647127	878.582	5.856582	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	67.753730	612.808	207.963185	65.465912	858.736	5.675368	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	67.615303	592.852	207.824758	65.313721	838.840	5.523177	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	67.522566	572.870	207.732022	65.192740	818.902	5.402196	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	67.480524	552.874	207.689980	65.105367	798.933	5.314823	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	67.494908	532.875	207.704364	65.054233	778.944	5.263688	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	67.572307	512.886	207.781763	65.042231	758.945	5.251686	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	67.634517	503.232	207.843973	65.051390	749.279	5.260846	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	67.720036	492.920	207.929492	65.072350	738.949	5.281806	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	67.940105	472.990	208.149561	65.143619	718.966	5.353075	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	68.228386	453.101	208.437842	65.250740	699.002	5.460196	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	68.579739	433.251	208.789194	65.387625	679.057	5.597081	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	68.988071	413.436	209.197527	65.547464	659.127	5.756920	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	69.233086	402.605	209.442542	65.641940	648.226	5.851395	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	69.446360	393.648	209.655816	65.722766	639.207	5.932222	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	69.953585	373.883	210.163041	65.909621	619.293	6.119076	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	70.517391	354.144	210.726846	66.108889	599.384	6.318345	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	71.147699	334.437	211.357154	66.321848	579.481	6.531304	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	71.856863	314.766	212.066319	66.549953	559.586	6.759409	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	72.660456	295.139	212.869912	66.794873	539.698	7.004328	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	73.578368	275.567	213.787824	67.058529	519.818	7.267985	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	74.636381	256.060	214.845837	67.343148	499.949	7.552604	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	75.868478	236.636	216.077934	67.651320	480.090	7.860776	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	77.320275	217.316	217.529731	67.986079	460.243	8.195535	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	79.054279	198.131	219.263734	68.350999	440.410	8.560455	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	81.158113	179.124	221.367569	68.750320	420.593	8.959776	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	83.757733	160.360	223.967188	69.189112	400.794	9.398568	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	87.039083	141.933	227.248539	69.673483	381.017	9.882939	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	91.284049	123.995	231.493504	70.210857	361.263	10.420313	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	96.929105	106.792	237.138561	70.810347	341.539	11.019803	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	104.651618	90.742	244.861074	71.483256	321.848	11.692711	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	115.446571	76.576	255.656027	72.243769	302.198	12.453224	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	130.463160	65.526	270.672616	73.109917	282.598	13.319373	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	149.959956	59.358	290.169411	74.104954	263.057	14.314410	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	171.465745	59.607	311.675201	75.259346	243.591	15.468802	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	190.673423	66.202	330.882879	76.613725	224.218	16.823180	9.839

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PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	205.345455	77.540	345.554910	78.223371	204.967	18.432827	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	215.871503	91.881	356.080958	80.165175	185.874	20.374630	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	223.409494	108.037	363.618950	82.548736	166.993	22.758191	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	228.930779	125.306	369.140235	85.534484	148.405	25.743940	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	233.091486	143.288	373.300942	89.363791	130.237	29.573247	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	236.313950	161.744	376.523406	94.408954	112.690	34.618410	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	238.871245	180.529	379.080700	101.251753	96.107	41.461208	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	240.943842	199.551	381.153298	110.779421	81.081	50.988877	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	242.654236	218.747	382.863691	124.168167	68.641	64.377623	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	244.087806	238.076	384.297262	142.248623	60.408	82.458079	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	245.305569	257.507	385.515024	163.692186	58.195	103.901642	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	246.352122	277.019	386.561577	184.342006	62.644	124.551462	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	247.260736	296.596	387.470192	200.802659	72.538	141.012115	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	248.056690	316.226	388.266146	212.726656	86.019	152.936112	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	248.759505	335.900	388.968961	221.209424	101.670	161.418879	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	249.290239	352.489	389.499694	226.499978	115.886	166.709434	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	249.384186	355.610	389.593642	227.350595	118.636	167.560051	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	249.928779	375.364	390.138235	231.887668	136.463	172.097124	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	250.397621	395.162	390.607076	235.312157	154.871	175.521612	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	250.801420	414.996	391.010876	237.956844	173.675	178.166299	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	251.148981	434.861	391.358437	240.039729	192.758	180.249185	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	251.447604	454.752	391.657060	241.707185	212.045	181.916641	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	251.703391	474.665	391.912847	243.060128	231.482	183.269583	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	251.921476	494.596	392.130932	244.169930	251.036	184.379386	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	252.106213	514.542	392.315669	245.088272	270.679	185.297727	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	252.261314	534.501	392.470770	245.853375	290.393	186.062831	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	252.389965	554.471	392.599420	246.494057	310.164	186.703513	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	252.494911	574.449	392.704367	247.032415	329.980	187.241871	7.363

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PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	252.578535	594.435	392.787991	247.485660	349.833	187.695116	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	252.642912	614.425	392.852367	247.867381	369.717	188.076837	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	252.689856	634.420	392.899312	248.188444	389.625	188.397900	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	252.720964	654.417	392.930419	248.457636	409.553	188.667091	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	252.737641	674.417	392.947097	248.682134	429.498	188.891590	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	252.741134	694.417	392.950590	248.867861	449.457	189.077317	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	252.732551	714.416	392.942007	249.019739	469.427	189.229195	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	252.712877	734.415	392.922333	249.141898	489.406	189.351354	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	252.682997	754.412	392.892452	249.237824	509.392	189.447280	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	252.662980	765.168	392.872436	249.279632	520.146	189.489088	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	252.644870	774.407	392.854326	249.312192	529.383	189.521647	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	252.607117	794.401	392.816573	249.378912	549.375	189.588368	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	252.571217	814.396	392.780673	249.440947	569.367	189.650403	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	252.537039	834.391	392.746494	249.498773	589.360	189.708229	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	252.504459	854.387	392.713915	249.552805	609.354	189.762261	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	252.473370	874.382	392.682826	249.603403	629.348	189.812859	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	252.443672	894.378	392.653127	249.650886	649.342	189.860342	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	252.434828	900.510	392.644283	249.664868	655.474	189.874323	8.443

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PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	81.670387	2211.209	21.879843	84.350362	1980.120	224.559818	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	81.762506	2191.464	21.971962	84.480227	1960.528	224.689683	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	81.856301	2171.724	22.065756	84.612713	1940.945	224.822169	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	81.951815	2151.989	22.161271	84.747899	1921.370	224.957355	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	82.039503	2134.188	22.248959	84.872247	1903.717	225.081703	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	82.049098	2132.259	22.258553	84.885867	1901.804	225.095322	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	82.147552	2112.530	22.357008	85.025985	1882.242	225.235441	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	82.244617	2092.788	22.454073	85.165431	1862.667	225.374887	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	82.337265	2073.020	22.546721	85.300850	1843.059	225.510306	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	82.422338	2053.211	22.631793	85.428728	1823.401	225.638183	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	82.492093	2034.651	22.701548	85.538175	1804.969	225.747630	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	82.496538	2033.354	22.705994	85.545372	1803.680	225.754827	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	82.557045	2013.447	22.766500	85.647597	1783.889	225.857053	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	82.602989	1993.500	22.812445	85.734392	1764.036	225.943847	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	82.633904	1973.523	22.843360	85.805181	1744.132	226.014637	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	82.649310	1953.529	22.858766	85.859374	1724.187	226.068830	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	82.648717	1933.530	22.858173	85.896357	1704.212	226.105813	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	82.631623	1913.537	22.841079	85.915496	1684.219	226.124952	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	82.597517	1893.564	22.806973	85.916137	1664.220	226.125593	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	82.545878	1873.623	22.755334	85.897605	1644.226	226.107060	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	82.476176	1853.727	22.685632	85.859203	1624.251	226.068658	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	82.387872	1833.892	22.597327	85.800215	1604.308	226.009671	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	82.280420	1814.131	22.489876	85.719906	1584.409	225.929362	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	82.153271	1794.459	22.362727	85.617520	1564.571	225.826976	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	82.005868	1774.891	22.215324	85.492285	1544.807	225.701740	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	81.837655	1755.443	22.047111	85.343409	1525.132	225.552865	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	81.711236	1742.309	21.920691	85.228387	1511.826	225.437843	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	81.648091	1736.131	21.857547	85.170110	1505.562	225.379566	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	81.437905	1716.961	21.647361	84.973077	1486.106	225.182533	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	81.209892	1697.919	21.419348	84.755433	1466.754	224.964888	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	80.967105	1678.984	21.176560	84.520639	1447.489	224.730095	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	80.712681	1660.130	20.922137	84.272296	1428.292	224.481752	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	80.526269	1646.742	20.735725	84.089327	1414.654	224.298783	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	80.449846	1641.327	20.659302	84.014140	1409.137	224.223595	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	80.180705	1622.554	20.390161	83.748613	1390.008	223.958069	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	79.905269	1603.812	20.114725	83.475682	1370.904	223.685137	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	79.623325	1585.100	19.832781	83.195041	1351.825	223.404497	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	79.334650	1566.419	19.544106	82.906371	1332.774	223.115827	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	79.039013	1547.772	19.248469	82.609335	1313.751	222.818791	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	78.736173	1529.159	18.945629	82.303578	1294.757	222.513033	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	78.425877	1510.582	18.635332	81.988723	1275.794	222.198179	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	78.107861	1492.041	18.317317	81.664376	1256.863	221.873832	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	77.781850	1473.539	17.991306	81.330118	1237.966	221.539573	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	77.447558	1455.076	17.657014	80.985506	1219.104	221.194962	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	77.104682	1436.654	17.314138	80.630074	1200.278	220.839530	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	76.752910	1418.275	16.962366	80.263327	1181.492	220.472783	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	76.391913	1399.940	16.601368	79.884742	1162.746	220.094198	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	76.021346	1381.652	16.230802	79.493764	1144.042	219.703219	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	75.640851	1363.412	15.850307	79.089805	1125.383	219.299260	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	75.250052	1345.221	15.459507	78.672242	1106.771	218.881697	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	74.848554	1327.083	15.058010	78.240414	1088.208	218.449870	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	74.435946	1308.999	14.645402	77.793619	1069.697	218.003075	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	74.011797	1290.972	14.221253	77.331112	1051.240	217.540568	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	73.575654	1273.003	13.785110	76.852101	1032.841	217.061557	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	73.344429	1263.702	13.553885	76.596731	1023.316	216.806186	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	73.127127	1255.096	13.336582	76.355848	1014.501	216.565304	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	72.667917	1237.229	12.877373	75.844254	996.206	216.053709	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	72.202055	1219.363	12.411510	75.322206	977.917	215.531662	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	71.733904	1201.453	11.943359	74.795083	959.596	215.004538	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	71.268108	1183.456	11.477563	74.268686	941.205	214.478142	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	70.999661	1172.911	11.209117	73.964687	930.438	214.174143	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	70.809591	1165.333	11.019047	73.749256	922.707	213.958711	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	70.361549	1147.064	10.571004	73.240878	904.085	213.450334	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	69.924743	1128.651	10.134199	72.744547	885.341	212.954002	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	69.499825	1110.100	9.709280	72.261125	866.480	212.470581	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	69.087492	1091.414	9.296948	71.791559	847.505	212.001015	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	68.688496	1072.599	8.897951	71.336888	828.422	211.546344	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	68.303645	1053.660	8.513101	70.898255	809.235	211.107711	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	67.933814	1034.603	8.143270	70.476921	789.948	210.686376	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	67.579944	1015.432	7.789399	70.074276	770.567	210.283732	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	67.243054	996.154	7.452509	69.691864	751.097	209.901320	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	66.924247	976.774	7.133702	69.331398	731.542	209.540854	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	66.624719	957.299	6.834175	68.994784	711.910	209.204240	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	66.345768	937.735	6.555224	68.684151	692.206	208.893607	9.265

CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	66.088805	918.089	6.298261	68.401880	672.437	208.611336	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	65.855367	898.369	6.064823	68.150647	652.609	208.360103	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	65.647127	878.582	5.856582	67.933463	632.730	208.142919	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	65.465912	858.736	5.675368	67.753730	612.808	207.963185	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	65.313721	838.840	5.523177	67.615303	592.852	207.824758	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	65.192740	818.902	5.402196	67.522566	572.870	207.732022	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	65.105367	798.933	5.314823	67.480524	552.874	207.689980	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	65.054233	778.944	5.263688	67.494908	532.875	207.704364	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	65.042231	758.945	5.251686	67.572307	512.886	207.781763	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	65.051390	749.279	5.260846	67.634517	503.232	207.843973	9.696

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	65.072350	738.949	5.281806	67.720036	492.920	207.929492	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	65.143619	718.966	5.353075	67.940105	472.990	208.149561	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	65.250740	699.002	5.460196	68.228386	453.101	208.437842	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	65.387625	679.057	5.597081	68.579739	433.251	208.789194	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	65.547464	659.127	5.756920	68.988071	413.436	209.197527	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	65.641940	648.226	5.851395	69.233086	402.605	209.442542	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	65.722766	639.207	5.932222	69.446360	393.648	209.655816	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	65.909621	619.293	6.119076	69.953585	373.883	210.163041	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	66.108889	599.384	6.318345	70.517391	354.144	210.726846	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	66.321848	579.481	6.531304	71.147699	334.437	211.357154	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	66.549953	559.586	6.759409	71.856863	314.766	212.066319	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	66.794873	539.698	7.004328	72.660456	295.139	212.869912	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	67.058529	519.818	7.267985	73.578368	275.567	213.787824	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	67.343148	499.949	7.552604	74.636381	256.060	214.845837	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	67.651320	480.090	7.860776	75.868478	236.636	216.077934	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	67.986079	460.243	8.195535	77.320275	217.316	217.529731	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	68.350999	440.410	8.560455	79.054279	198.131	219.263734	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	68.750320	420.593	8.959776	81.158113	179.124	221.367569	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	69.189112	400.794	9.398568	83.757733	160.360	223.967188	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	69.673483	381.017	9.882939	87.039083	141.933	227.248539	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	70.210857	361.263	10.420313	91.284049	123.995	231.493504	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	70.810347	341.539	11.019803	96.929105	106.792	237.138561	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	71.483256	321.848	11.692711	104.651618	90.742	244.861074	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	72.243769	302.198	12.453224	115.446571	76.576	255.656027	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	73.109917	282.598	13.319373	130.463160	65.526	270.672616	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	74.104954	263.057	14.314410	149.959956	59.358	290.169411	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	75.259346	243.591	15.468802	171.465745	59.607	311.675201	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	76.613725	224.218	16.823180	190.673423	66.202	330.882879	9.839

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Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	78.223371	204.967	18.432827	205.345455	77.540	345.554910	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	80.165175	185.874	20.374630	215.871503	91.881	356.080958	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	82.548736	166.993	22.758191	223.409494	108.037	363.618950	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	85.534484	148.405	25.743940	228.930779	125.306	369.140235	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	89.363791	130.237	29.573247	233.091486	143.288	373.300942	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	94.408954	112.690	34.618410	236.313950	161.744	376.523406	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	101.251753	96.107	41.461208	238.871245	180.529	379.080700	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	110.779421	81.081	50.988877	240.943842	199.551	381.153298	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	124.168167	68.641	64.377623	242.654236	218.747	382.863691	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	142.248623	60.408	82.458079	244.087806	238.076	384.297262	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	163.692186	58.195	103.901642	245.305569	257.507	385.515024	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	184.342006	62.644	124.551462	246.352122	277.019	386.561577	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	200.802659	72.538	141.012115	247.260736	296.596	387.470192	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	212.726656	86.019	152.936112	248.056690	316.226	388.266146	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	221.209424	101.670	161.418879	248.759505	335.900	388.968961	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	226.499978	115.886	166.709434	249.290239	352.489	389.499694	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	227.350595	118.636	167.560051	249.384186	355.610	389.593642	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	231.887668	136.463	172.097124	249.928779	375.364	390.138235	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	235.312157	154.871	175.521612	250.397621	395.162	390.607076	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	237.956844	173.675	178.166299	250.801420	414.996	391.010876	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	240.039729	192.758	180.249185	251.148981	434.861	391.358437	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	241.707185	212.045	181.916641	251.447604	454.752	391.657060	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	243.060128	231.482	183.269583	251.703391	474.665	391.912847	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	244.169930	251.036	184.379386	251.921476	494.596	392.130932	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	245.088272	270.679	185.297727	252.106213	514.542	392.315669	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	245.853375	290.393	186.062831	252.261314	534.501	392.470770	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	246.494057	310.164	186.703513	252.389965	554.471	392.599420	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	247.032415	329.980	187.241871	252.494911	574.449	392.704367	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 2029.257 Dis= 58.631

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	247.485660	349.833	187.695116	252.578535	594.435	392.787991	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	247.867381	369.717	188.076837	252.642912	614.425	392.852367	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	248.188444	389.625	188.397900	252.689856	634.420	392.899312	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	248.457636	409.553	188.667091	252.720964	654.417	392.930419	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	248.682134	429.498	188.891590	252.737641	674.417	392.947097	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	248.867861	449.457	189.077317	252.741134	694.417	392.950590	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	249.019739	469.427	189.229195	252.732551	714.416	392.942007	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	249.141898	489.406	189.351354	252.712877	734.415	392.922333	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	249.237824	509.392	189.447280	252.682997	754.412	392.892452	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	249.279632	520.146	189.489088	252.662980	765.168	392.872436	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	249.312192	529.383	189.521647	252.644870	774.407	392.854326	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	249.378912	549.375	189.588368	252.607117	794.401	392.816573	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	249.440947	569.367	189.650403	252.571217	814.396	392.780673	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	249.498773	589.360	189.708229	252.537039	834.391	392.746494	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	249.552805	609.354	189.762261	252.504459	854.387	392.713915	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	249.603403	629.348	189.812859	252.473370	874.382	392.682826	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	249.650886	649.342	189.860342	252.443672	894.378	392.653127	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	249.664868	655.474	189.874323	252.434828	900.510	392.644283	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	81.670387	2211.209	247.627507	77.598987	2379.958	43.556107	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	81.762506	2191.464	247.719626	77.650308	2360.050	43.607428	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	81.856301	2171.724	247.813421	77.702502	2340.143	43.659622	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	81.951815	2151.989	247.908935	77.755592	2320.237	43.712712	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	82.039503	2134.188	247.996623	77.804277	2302.280	43.761397	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	82.049098	2132.259	248.006217	77.809600	2300.334	43.766720	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	82.147552	2112.530	248.104672	77.863949	2280.430	43.821069	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	82.244617	2092.788	248.201737	77.916223	2260.517	43.873343	7.775

CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	82.337265	2073.020	248.294385	77.963579	2240.587	43.920699	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	82.422338	2053.211	248.379457	78.003065	2220.635	43.960184	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	82.492093	2034.651	248.449212	78.030143	2201.965	43.987263	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	82.496538	2033.354	248.453658	78.031611	2200.660	43.988731	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	82.557045	2013.447	248.514165	78.046613	2180.667	44.003733	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	82.602989	1993.500	248.560109	78.047290	2160.668	44.004410	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	82.633904	1973.523	248.591024	78.033241	2140.674	43.990361	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	82.649310	1953.529	248.606430	78.004059	2120.698	43.961179	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	82.648717	1933.530	248.605837	77.959330	2100.754	43.916450	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	82.631623	1913.537	248.588743	77.898638	2080.854	43.855758	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	82.597517	1893.564	248.554637	77.821564	2061.012	43.778684	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	82.545878	1873.623	248.502998	77.727684	2041.243	43.684804	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	82.476176	1853.727	248.433296	77.616576	2021.560	43.573696	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	82.387872	1833.892	248.344992	77.487816	2001.979	43.444935	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	82.280420	1814.131	248.237540	77.340981	1982.514	43.298101	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	82.153271	1794.459	248.110391	77.175654	1963.182	43.132774	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	82.005868	1774.891	247.962988	76.991420	1943.999	42.948540	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	81.837655	1755.443	247.794775	76.787872	1924.980	42.744992	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	81.711236	1742.309	247.668356	76.638386	1912.163	42.595506	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	81.648091	1736.131	247.605211	76.564630	1906.142	42.521750	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	81.437905	1716.961	247.395025	76.322443	1887.489	42.279562	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	81.209892	1697.919	247.167012	76.063878	1869.001	42.020997	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	80.967105	1678.984	246.924224	75.791702	1850.650	41.748821	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	80.712681	1660.130	246.669801	75.508729	1832.402	41.465848	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	80.526269	1646.742	246.483389	75.302306	1819.455	41.259426	9.005
RECTA	580.000	302.737003	0.000	422067.422	4576128.606	80.449846	1641.327	246.406966	75.217820	1814.220	41.174939	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	80.180705	1622.554	246.137825	74.920837	1796.079	40.877957	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	79.905269	1603.812	245.862389	74.617801	1777.978	40.574920	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	79.623325	1585.100	245.580445	74.308538	1759.918	40.265658	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	79.334650	1566.419	245.291770	73.992869	1741.901	39.949989	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	79.039013	1547.772	244.996133	73.670611	1723.927	39.627731	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	78.736173	1529.159	244.693293	73.341571	1705.999	39.298690	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	78.425877	1510.582	244.382997	73.005550	1688.117	38.962670	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	78.107861	1492.041	244.064981	72.662344	1670.283	38.619464	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	77.781850	1473.539	243.738970	72.311741	1652.498	38.268861	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	77.447558	1455.076	243.404678	71.953520	1634.765	37.910640	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	77.104682	1436.654	243.061802	71.587454	1617.085	37.544574	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	76.752910	1418.275	242.710030	71.213307	1599.459	37.170427	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	76.391913	1399.940	242.349032	70.830837	1581.890	36.787957	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	76.021346	1381.652	241.978466	70.439789	1564.379	36.396909	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	75.640851	1363.412	241.597971	70.039904	1546.929	35.997024	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	75.250052	1345.221	241.207172	69.630910	1529.541	35.588030	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	74.848554	1327.083	240.805674	69.212528	1512.217	35.169648	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	74.435946	1308.999	240.393066	68.784469	1494.961	34.741588	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	74.011797	1290.972	239.968917	68.346431	1477.773	34.303551	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	73.575654	1273.003	239.532774	67.898107	1460.657	33.855227	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	73.344429	1263.702	239.301549	67.661283	1451.804	33.618403	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	73.127127	1255.096	239.084247	67.439243	1443.615	33.396363	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	72.667917	1237.229	238.625037	66.971318	1426.622	32.928438	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	72.202055	1219.363	238.159175	66.497711	1409.631	32.454831	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	71.733904	1201.453	237.691023	66.022037	1392.590	31.979157	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	71.268108	1183.456	237.225228	65.548105	1375.449	31.505225	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	70.999661	1172.911	236.956781	65.274269	1365.392	31.231389	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	70.809591	1165.333	236.766711	65.079922	1358.159	31.037042	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	70.361549	1147.064	236.318668	64.620046	1340.695	30.577166	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	69.924743	1128.651	235.881863	64.169028	1323.062	30.126148	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	69.499825	1110.100	235.456945	63.727315	1305.262	29.684435	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	69.087492	1091.414	235.044612	63.295383	1287.300	29.252503	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	68.688496	1072.599	234.645615	62.873739	1269.180	28.830859	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	68.303645	1053.660	234.260765	62.462921	1250.908	28.420041	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	67.933814	1034.603	233.890934	62.063505	1232.488	28.020625	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	67.579944	1015.432	233.537064	61.676103	1213.926	27.633223	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	67.243054	996.154	233.200173	61.301372	1195.225	27.258491	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	66.924247	976.774	232.881367	60.940011	1176.392	26.897130	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	66.624719	957.299	232.581839	60.592769	1157.433	26.549889	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	66.345768	937.735	232.302888	60.260451	1138.352	26.217571	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	66.088805	918.089	232.045925	59.943916	1119.156	25.901036	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	65.855367	898.369	231.812487	59.644088	1099.851	25.601207	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	65.647127	878.582	231.604247	59.361958	1080.444	25.319078	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	65.465912	858.736	231.423032	59.098594	1060.941	25.055714	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	65.313721	838.840	231.270841	58.855144	1041.350	24.812264	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	65.192740	818.902	231.149860	58.632845	1021.677	24.589965	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	65.105367	798.933	231.062487	58.433030	1001.931	24.390150	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	65.054233	778.944	231.011353	58.257139	982.121	24.214259	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	65.042231	758.945	230.999351	58.106728	962.253	24.063847	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	65.051390	749.279	231.008510	58.043658	952.634	24.000778	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	65.072350	738.949	231.029470	57.983325	942.339	23.940445	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	65.143619	718.966	231.100739	57.885267	922.391	23.842387	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	65.250740	699.002	231.207860	57.807466	902.422	23.764586	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	65.387625	679.057	231.344745	57.744220	882.442	23.701339	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	65.547464	659.127	231.504584	57.689281	862.456	23.646401	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	65.641940	648.226	231.599060	57.660300	851.519	23.617420	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	65.722766	639.207	231.679886	57.635920	842.469	23.593040	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	65.909621	619.293	231.866740	57.580174	822.482	23.537294	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	66.108889	599.384	232.066009	57.521652	802.496	23.478772	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	66.321848	579.481	232.278968	57.460140	782.511	23.417260	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	66.549953	559.586	232.507073	57.395404	762.527	23.352524	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	66.794873	539.698	232.751992	57.327183	742.543	23.284303	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	67.058529	519.818	233.015649	57.255189	722.560	23.212309	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	67.343148	499.949	233.300268	57.179099	702.578	23.136219	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	67.651320	480.090	233.608440	57.098555	682.597	23.055675	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	67.986079	460.243	233.943199	57.013154	662.618	22.970273	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	68.350999	440.410	234.308119	56.922442	642.639	22.879562	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	68.750320	420.593	234.707440	56.825910	622.662	22.783029	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	69.189112	400.794	235.146232	56.722978	602.687	22.680098	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	69.673483	381.017	235.630603	56.612990	582.713	22.570109	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	70.210857	361.263	236.167977	56.495194	562.741	22.452314	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	70.810347	341.539	236.767467	56.368730	542.771	22.325849	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	71.483256	321.848	237.440376	56.232605	522.804	22.189724	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	72.243769	302.198	238.200888	56.085669	502.839	22.042789	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	73.109917	282.598	239.067037	55.926585	482.877	21.883705	9.978

RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	74.104954	263.057	240.062074	55.753781	462.918	21.710901	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	75.259346	243.591	241.216466	55.565406	442.963	21.522526	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	76.613725	224.218	242.570845	55.359261	423.012	21.316381	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	78.223371	204.967	244.180491	55.132711	403.066	21.089830	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	80.165175	185.874	246.122294	54.882575	383.126	20.839694	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	82.548736	166.993	248.505855	54.604976	363.192	20.562096	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	85.534484	148.405	251.491604	54.295143	343.266	20.252263	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	89.363791	130.237	255.320911	53.947133	323.349	19.904253	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	94.408954	112.690	260.366074	53.553450	303.443	19.510570	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	101.251753	96.107	267.208872	53.104509	283.550	19.061629	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	110.779421	81.081	276.736541	52.587854	263.674	18.544974	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	124.168167	68.641	290.125287	51.987003	243.818	17.944122	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	142.248623	60.408	308.205743	51.279685	223.987	17.236805	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	163.692186	58.195	329.649306	50.435086	204.189	16.392206	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	184.342006	62.644	350.299126	49.409349	184.435	15.366469	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	200.802659	72.538	366.759779	48.137959	164.740	14.095079	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	212.726656	86.019	378.683776	46.522168	145.129	12.479288	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	221.209424	101.670	387.166544	44.403372	125.641	10.360492	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	226.499978	115.886	392.457098	42.036823	109.379	7.993943	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	227.350595	118.636	393.307715	41.512267	106.342	7.469387	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	231.887668	136.463	397.844788	37.411618	87.329	3.368738	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	235.312157	154.871	1.269277	31.185769	68.820	397.142888	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	237.956844	173.675	3.913963	20.720353	51.365	386.677473	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	240.039729	192.758	5.996849	0.957719	36.508	366.914839	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	241.707185	212.045	7.664305	364.252912	28.630	330.210032	7.765
CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	243.060128	231.482	9.017247	323.290038	33.150	289.247158	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	244.169930	251.036	10.127050	299.151819	46.589	265.108939	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	245.088272	270.679	11.045391	286.668677	63.518	252.625797	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	245.853375	290.393	11.810495	279.496650	81.797	245.453770	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	246.494057	310.164	12.451177	274.899420	100.693	240.856540	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	247.032415	329.980	12.989535	271.697332	119.915	237.654452	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	247.485660	349.833	13.442780	269.324663	139.326	235.281782	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	247.867381	369.717	13.824501	267.481742	158.857	233.438862	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	248.188444	389.625	14.145564	265.996523	178.467	231.953643	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	248.457636	409.553	14.414755	264.763679	198.133	230.720799	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	248.682134	429.498	14.639254	263.715312	217.838	229.672432	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	248.867861	449.457	14.824981	262.805761	237.572	228.762881	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	249.019739	469.427	14.976859	262.003229	257.327	227.960349	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	249.141898	489.406	15.099018	261.284907	277.099	227.242027	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	249.237824	509.392	15.194944	260.634019	296.883	226.591139	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	249.279632	520.146	15.236752	260.307220	307.530	226.264340	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	249.312192	529.383	15.269312	260.040789	316.678	225.997908	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	249.378912	549.375	15.336032	259.513778	336.494	225.470898	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	249.440947	569.367	15.398067	259.045417	356.332	225.002537	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	249.498773	589.360	15.455893	258.626473	376.186	224.583593	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	249.552805	609.354	15.509925	258.249549	396.055	224.206668	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	249.603403	629.348	15.560523	257.908647	415.936	223.865767	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	249.650886	649.342	15.608006	257.598856	435.829	223.555976	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	249.664868	655.474	15.621988	257.509436	441.932	223.466556	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	77.598987	2379.958	43.556107	81.670387	2211.209	247.627507	8.129

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	271.533802	0.000	422623.070	4576260.344	77.598987	2379.958	43.556107	81.670387	2211.209	247.627507	8.129
RECTA	20.000	271.533802	0.000	422605.037	4576251.696	77.650308	2360.050	43.607428	81.762506	2191.464	247.719626	8.069
RECTA	40.000	271.533802	0.000	422587.003	4576243.049	77.702502	2340.143	43.659622	81.856301	2171.724	247.813421	8.009
RECTA	60.000	271.533802	0.000	422568.969	4576234.401	77.755592	2320.237	43.712712	81.951815	2151.989	247.908935	7.949
CLOT.	78.044	271.533802	0.000	422552.700	4576226.599	77.804277	2302.280	43.761397	82.039503	2134.188	247.996623	7.894
CLOT.	80.000	271.535302	0.000	422550.936	4576225.753	77.809600	2300.334	43.766720	82.049098	2132.259	248.006217	7.889
CLOT.	100.000	271.722721	0.000	422532.893	4576217.125	77.863949	2280.430	43.821069	82.147552	2112.530	248.104672	7.829
CLOT.	120.000	272.223650	0.000	422514.803	4576208.594	77.916223	2260.517	43.873343	82.244617	2092.788	248.201737	7.775
CLOT.	140.000	273.038088	0.000	422496.627	4576200.251	77.963579	2240.587	43.920699	82.337265	2073.020	248.294385	7.732
CLOT.	160.000	274.166035	0.000	422478.325	4576192.186	78.003065	2220.635	43.960184	82.422338	2053.211	248.379457	7.700
CIRC.	178.694	275.503823	0.000	422461.075	4576184.981	78.030143	2201.965	43.987263	82.492093	2034.651	248.449212	7.679
CIRC.	180.000	275.606824	0.000	422459.865	4576184.492	78.031611	2200.660	43.988731	82.496538	2033.354	248.453658	7.678
CIRC.	200.000	277.184568	0.000	422441.224	4576177.245	78.046613	2180.667	44.003733	82.557045	2013.447	248.514165	7.667
CIRC.	220.000	278.762312	0.000	422422.410	4576170.463	78.047290	2160.668	44.004410	82.602989	1993.500	248.560109	7.666
CIRC.	240.000	280.340056	0.000	422403.433	4576164.149	78.033241	2140.674	43.990361	82.633904	1973.523	248.591024	7.676
CIRC.	260.000	281.917801	0.000	422384.306	4576158.307	78.004059	2120.698	43.961179	82.649310	1953.529	248.606430	7.696
CIRC.	280.000	283.495545	0.000	422365.040	4576152.941	77.959330	2100.754	43.916450	82.648717	1933.530	248.605837	7.727
CIRC.	300.000	285.073289	0.000	422345.647	4576148.054	77.898638	2080.854	43.855758	82.631623	1913.537	248.588743	7.769
CIRC.	320.000	286.651033	0.000	422326.138	4576143.649	77.821564	2061.012	43.778684	82.597517	1893.564	248.554637	7.821
CIRC.	340.000	288.228777	0.000	422306.527	4576139.728	77.727684	2041.243	43.684804	82.545878	1873.623	248.502998	7.883
CIRC.	360.000	289.806521	0.000	422286.824	4576136.295	77.616576	2021.560	43.573696	82.476176	1853.727	248.433296	7.957
CIRC.	380.000	291.384266	0.000	422267.043	4576133.352	77.487816	2001.979	43.444935	82.387872	1833.892	248.344992	8.040
CIRC.	400.000	292.962010	0.000	422247.194	4576130.899	77.340981	1982.514	43.298101	82.280420	1814.131	248.237540	8.135
CIRC.	420.000	294.539754	0.000	422227.291	4576128.939	77.175654	1963.182	43.132774	82.153271	1794.459	248.110391	8.235
CIRC.	440.000	296.117498	0.000	422207.345	4576127.473	76.991420	1943.999	42.948540	82.005868	1774.891	247.962988	8.335
CIRC.	460.000	297.695242	0.000	422187.369	4576126.501	76.787872	1924.980	42.744992	81.837655	1755.443	247.794775	8.435
CLOT.	473.586	298.766982	0.000	422173.789	4576126.124	76.638386	1912.163	42.595506	81.711236	1742.309	247.668356	8.502
CLOT.	480.000	299.256863	0.000	422167.376	4576126.024	76.564630	1906.142	42.521750	81.648091	1736.131	247.605211	8.535

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	500.000	300.577306	0.000	422147.376	4576126.007	76.322443	1887.489	42.279562	81.437905	1716.961	247.395025	8.635
CLOT.	520.000	301.584239	0.000	422127.379	4576126.354	76.063878	1869.001	42.020997	81.209892	1697.919	247.167012	8.735
CLOT.	540.000	302.277664	0.000	422107.389	4576126.969	75.791702	1850.650	41.748821	80.967105	1678.984	246.924224	8.835
CLOT.	560.000	302.657578	0.000	422087.404	4576127.752	75.508729	1832.402	41.465848	80.712681	1660.130	246.669801	8.935
RECTA	574.236	302.737003	0.000	422073.181	4576128.358	75.302306	1819.455	41.259426	80.526269	1646.742	246.483389	9.005

RECTA	580.000	302.737003	0.000	422067.422	4576128.606	75.217820	1814.220	41.174939	80.449846	1641.327	246.406966	9.032
RECTA	600.000	302.737003	0.000	422047.441	4576129.466	74.920837	1796.079	40.877957	80.180705	1622.554	246.137825	9.120
RECTA	620.000	302.737003	0.000	422027.459	4576130.325	74.617801	1777.978	40.574920	79.905269	1603.812	245.862389	9.200
RECTA	640.000	302.737003	0.000	422007.478	4576131.185	74.308538	1759.918	40.265658	79.623325	1585.100	245.580445	9.270
RECTA	660.000	302.737003	0.000	421987.496	4576132.044	73.992869	1741.901	39.949989	79.334650	1566.419	245.291770	9.332
RECTA	680.000	302.737003	0.000	421967.515	4576132.904	73.670611	1723.927	39.627731	79.039013	1547.772	244.996133	9.384
RECTA	700.000	302.737003	0.000	421947.533	4576133.764	73.341571	1705.999	39.298690	78.736173	1529.159	244.693293	9.427
RECTA	720.000	302.737003	0.000	421927.552	4576134.623	73.005550	1688.117	38.962670	78.425877	1510.582	244.382997	9.461
RECTA	740.000	302.737003	0.000	421907.570	4576135.483	72.662344	1670.283	38.619464	78.107861	1492.041	244.064981	9.487
RECTA	760.000	302.737003	0.000	421887.589	4576136.342	72.311741	1652.498	38.268861	77.781850	1473.539	243.738970	9.503
RECTA	780.000	302.737003	0.000	421867.607	4576137.202	71.953520	1634.765	37.910640	77.447558	1455.076	243.404678	9.510
RECTA	800.000	302.737003	0.000	421847.626	4576138.061	71.587454	1617.085	37.544574	77.104682	1436.654	243.061802	9.508
RECTA	820.000	302.737003	0.000	421827.644	4576138.921	71.213307	1599.459	37.170427	76.752910	1418.275	242.710030	9.497
RECTA	840.000	302.737003	0.000	421807.663	4576139.781	70.830837	1581.890	36.787957	76.391913	1399.940	242.349032	9.477
RECTA	860.000	302.737003	0.000	421787.681	4576140.640	70.439789	1564.379	36.396909	76.021346	1381.652	241.978466	9.448
RECTA	880.000	302.737003	0.000	421767.699	4576141.500	70.039904	1546.929	35.997024	75.640851	1363.412	241.597971	9.411
RECTA	900.000	302.737003	0.000	421747.718	4576142.359	69.630910	1529.541	35.588030	75.250052	1345.221	241.207172	9.371
RECTA	920.000	302.737003	0.000	421727.736	4576143.219	69.212528	1512.217	35.169648	74.848554	1327.083	240.805674	9.331
RECTA	940.000	302.737003	0.000	421707.755	4576144.079	68.784469	1494.961	34.741588	74.435946	1308.999	240.393066	9.291
RECTA	960.000	302.737003	0.000	421687.773	4576144.938	68.346431	1477.773	34.303551	74.011797	1290.972	239.968917	9.251
RECTA	980.000	302.737003	0.000	421667.792	4576145.798	67.898107	1460.657	33.855227	73.575654	1273.003	239.532774	9.173
CLOT.	990.379	302.737003	0.000	421657.422	4576146.244	67.661283	1451.804	33.618403	73.344429	1263.702	239.301549	9.101
CLOT.	1000.000	302.700730	0.000	421647.810	4576146.656	67.439243	1443.615	33.396363	73.127127	1255.096	239.084247	9.017

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1020.000	302.393166	0.000	421627.827	4576147.464	66.971318	1426.622	32.928438	72.667917	1237.229	238.625037	8.801
CLOT.	1040.000	301.772092	0.000	421607.838	4576148.126	66.497711	1409.631	32.454831	72.202055	1219.363	238.159175	8.596
CLOT.	1060.000	300.837509	0.000	421587.842	4576148.544	66.022037	1392.590	31.979157	71.733904	1201.453	237.691023	8.450
CLOT.	1080.000	299.589417	0.000	421567.843	4576148.619	65.548105	1375.449	31.505225	71.268108	1183.456	237.225228	8.366
CIRC.	1091.657	298.717326	0.000	421556.187	4576148.466	65.274269	1365.392	31.231389	70.999661	1172.911	236.956781	8.346
CIRC.	1100.000	298.055091	0.000	421547.847	4576148.255	65.079922	1358.159	31.037042	70.809591	1165.333	236.766711	8.345
CIRC.	1120.000	296.467511	0.000	421527.866	4576147.394	64.620046	1340.695	30.577166	70.361549	1147.064	236.318668	8.386
CIRC.	1140.000	294.879930	0.000	421507.912	4576146.036	64.169028	1323.062	30.126148	69.924743	1128.651	235.881863	8.465
CIRC.	1160.000	293.292350	0.000	421487.999	4576144.181	63.727315	1305.262	29.684435	69.499825	1110.100	235.456945	8.545
CIRC.	1180.000	291.704770	0.000	421468.138	4576141.830	63.295383	1287.300	29.252503	69.087492	1091.414	235.044612	8.625
CIRC.	1200.000	290.117189	0.000	421448.342	4576138.984	62.873739	1269.180	28.830859	68.688496	1072.599	234.645615	8.705
CIRC.	1220.000	288.529609	0.000	421428.623	4576135.646	62.462921	1250.908	28.420041	68.303645	1053.660	234.260765	8.785
CIRC.	1240.000	286.942028	0.000	421408.994	4576131.817	62.063505	1232.488	28.020625	67.933814	1034.603	233.890934	8.865
CIRC.	1260.000	285.354448	0.000	421389.466	4576127.500	61.676103	1213.926	27.633223	67.579944	1015.432	233.537064	8.945
CIRC.	1280.000	283.766867	0.000	421370.052	4576122.697	61.301372	1195.225	27.258491	67.243054	996.154	233.200173	9.025
CIRC.	1300.000	282.179287	0.000	421350.763	4576117.411	60.940011	1176.392	26.897130	66.924247	976.774	232.881367	9.105
CIRC.	1320.000	280.591706	0.000	421331.613	4576111.647	60.592769	1157.433	26.549889	66.624719	957.299	232.581839	9.185
CIRC.	1340.000	279.004126	0.000	421312.612	4576105.406	60.260451	1138.352	26.217571	66.345768	937.735	232.302888	9.265
CIRC.	1360.000	277.416545	0.000	421293.772	4576098.694	59.943916	1119.156	25.901036	66.088805	918.089	232.045925	9.345
CIRC.	1380.000	275.828965	0.000	421275.106	4576091.514	59.644088	1099.851	25.601207	65.855367	898.369	231.812487	9.425
CIRC.	1400.000	274.241384	0.000	421256.625	4576083.870	59.361958	1080.444	25.319078	65.647127	878.582	231.604247	9.503
CIRC.	1420.000	272.653804	0.000	421238.340	4576075.769	59.098594	1060.941	25.055714	65.465912	858.736	231.423032	9.568
CIRC.	1440.000	271.066223	0.000	421220.262	4576067.214	58.855144	1041.350	24.812264	65.313721	838.840	231.270841	9.621
CIRC.	1460.000	269.478643	0.000	421202.404	4576058.210	58.632845	1021.677	24.589965	65.192740	818.902	231.149860	9.660
CIRC.	1480.000	267.891062	0.000	421184.776	4576048.765	58.433030	1001.931	24.390150	65.105367	798.933	231.062487	9.687
CIRC.	1500.000	266.303482	0.000	421167.388	4576038.882	58.257139	982.121	24.214259	65.054233	778.944	231.011353	9.700
CIRC.	1520.000	264.715901	0.000	421150.253	4576028.569	58.106728	962.253	24.063847	65.042231	758.945	230.999351	9.701
CLOT.	1529.666	263.948590	0.000	421142.064	4576023.433	58.043658	952.634	24.000778	65.051390	749.279	231.008510	9.696

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	1540.000	263.170168	0.000	421133.379	4576017.834	57.983325	942.339	23.940445	65.072350	738.949	231.029470	9.688
CLOT.	1560.000	261.901325	0.000	421116.748	4576006.726	57.885267	922.391	23.842387	65.143619	718.966	231.100739	9.663
CLOT.	1580.000	260.945993	0.000	421100.314	4575995.328	57.807466	902.422	23.764586	65.250740	699.002	231.207860	9.625
CLOT.	1600.000	260.304169	0.000	421084.023	4575983.725	57.744220	882.442	23.701339	65.387625	679.057	231.344745	9.573
CLOT.	1620.000	259.975855	0.000	421067.822	4575971.998	57.689281	862.456	23.646401	65.547464	659.127	231.504584	9.509
RECTA	1630.944	259.928914	0.000	421058.973	4575965.558	57.660300	851.519	23.617420	65.641940	648.226	231.599060	9.469
RECTA	1640.000	259.928914	0.000	421051.653	4575960.227	57.635920	842.469	23.593040	65.722766	639.207	231.679886	9.433
RECTA	1660.000	259.928914	0.000	421035.486	4575948.453	57.580174	822.482	23.537294	65.909621	619.293	231.866740	9.364
RECTA	1680.000	259.928914	0.000	421019.319	4575936.679	57.521652	802.496	23.478772	66.108889	599.384	232.066009	9.318
RECTA	1700.000	259.928914	0.000	421003.152	4575924.906	57.460140	782.511	23.417260	66.321848	579.481	232.278968	9.293
RECTA	1720.000	259.928914	0.000	420986.985	4575913.132	57.395404	762.527	23.352524	66.549953	559.586	232.507073	9.290
RECTA	1740.000	259.928914	0.000	420970.817	4575901.358	57.327183	742.543	23.284303	66.794873	539.698	232.751992	9.309
RECTA	1760.000	259.928914	0.000	420954.650	4575889.584	57.255189	722.560	23.212309	67.058529	519.818	233.015649	9.349
RECTA	1780.000	259.928914	0.000	420938.483	4575877.810	57.179099	702.578	23.136219	67.343148	499.949	233.300268	9.412
RECTA	1800.000	259.928914	0.000	420922.316	4575866.037	57.098555	682.597	23.055675	67.651320	480.090	233.608440	9.490
RECTA	1820.000	259.928914	0.000	420906.149	4575854.263	57.013154	662.618	22.970273	67.986079	460.243	233.943199	9.570
RECTA	1840.000	259.928914	0.000	420889.981	4575842.489	56.922442	642.639	22.879562	68.350999	440.410	234.308119	9.650
RECTA	1860.000	259.928914	0.000	420873.814	4575830.715	56.825910	622.662	22.783029	68.750320	420.593	234.707440	9.730
RECTA	1880.000	259.928914	0.000	420857.647	4575818.942	56.722978	602.687	22.680098	69.189112	400.794	235.146232	9.810
RECTA	1900.000	259.928914	0.000	420841.480	4575807.168	56.612990	582.713	22.570109	69.673483	381.017	235.630603	9.879
RECTA	1920.000	259.928914	0.000	420825.313	4575795.394	56.495194	562.741	22.452314	70.210857	361.263	236.167977	9.932
RECTA	1940.000	259.928914	0.000	420809.145	4575783.620	56.368730	542.771	22.325849	70.810347	341.539	236.767467	9.968
RECTA	1960.000	259.928914	0.000	420792.978	4575771.847	56.232605	522.804	22.189724	71.483256	321.848	237.440376	9.988
RECTA	1980.000	259.928914	0.000	420776.811	4575760.073	56.085669	502.839	22.042789	72.243769	302.198	238.200888	9.991
RECTA	2000.000	259.928914	0.000	420760.644	4575748.299	55.926585	482.877	21.883705	73.109917	282.598	239.067037	9.978
RECTA	2020.000	259.928914	0.000	420744.477	4575736.525	55.753781	462.918	21.710901	74.104954	263.057	240.062074	9.948
RECTA	2040.000	259.928914	0.000	420728.309	4575724.752	55.565406	442.963	21.522526	75.259346	243.591	241.216466	9.902
RECTA	2060.000	259.928914	0.000	420712.142	4575712.978	55.359261	423.012	21.316381	76.613725	224.218	242.570845	9.839

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	2080.000	259.928914	0.000	420695.975	4575701.204	55.132711	403.066	21.089830	78.223371	204.967	244.180491	9.760
RECTA	2100.000	259.928914	0.000	420679.808	4575689.430	54.882575	383.126	20.839694	80.165175	185.874	246.122294	9.665
RECTA	2120.000	259.928914	0.000	420663.640	4575677.656	54.604976	363.192	20.562096	82.548736	166.993	248.505855	9.565
RECTA	2140.000	259.928914	0.000	420647.473	4575665.883	54.295143	343.266	20.252263	85.534484	148.405	251.491604	9.465
RECTA	2160.000	259.928914	0.000	420631.306	4575654.109	53.947133	323.349	19.904253	89.363791	130.237	255.320911	9.365
RECTA	2180.000	259.928914	0.000	420615.139	4575642.335	53.553450	303.443	19.510570	94.408954	112.690	260.366074	9.265
RECTA	2200.000	259.928914	0.000	420598.972	4575630.561	53.104509	283.550	19.061629	101.251753	96.107	267.208872	9.165
RECTA	2220.000	259.928914	0.000	420582.804	4575618.788	52.587854	263.674	18.544974	110.779421	81.081	276.736541	9.065
RECTA	2240.000	259.928914	0.000	420566.637	4575607.014	51.987003	243.818	17.944122	124.168167	68.641	290.125287	8.965
RECTA	2260.000	259.928914	0.000	420550.470	4575595.240	51.279685	223.987	17.236805	142.248623	60.408	308.205743	8.865
RECTA	2280.000	259.928914	0.000	420534.303	4575583.466	50.435086	204.189	16.392206	163.692186	58.195	329.649306	8.765
RECTA	2300.000	259.928914	0.000	420518.136	4575571.693	49.409349	184.435	15.366469	184.342006	62.644	350.299126	8.665
RECTA	2320.000	259.928914	0.000	420501.968	4575559.919	48.137959	164.740	14.095079	200.802659	72.538	366.759779	8.565
RECTA	2340.000	259.928914	0.000	420485.801	4575548.145	46.522168	145.129	12.479288	212.726656	86.019	378.683776	8.465
RECTA	2360.000	259.928914	0.000	420469.634	4575536.371	44.403372	125.641	10.360492	221.209424	101.670	387.166544	8.365
CIRC.	2376.835	259.928914	0.000	420456.025	4575526.461	42.036823	109.379	7.993943	226.499978	115.886	392.457098	8.280
CIRC.	2380.000	259.861753	0.000	420453.468	4575524.596	41.512267	106.342	7.469387	227.350595	118.636	393.307715	8.265
CIRC.	2400.000	259.437340	0.000	420437.352	4575512.752	37.411618	87.329	3.368738	231.887668	136.463	397.844788	8.165
CIRC.	2420.000	259.012927	0.000	420421.316	4575500.800	31.185769	68.820	397.142888	235.312157	154.871	1.269277	8.065
CIRC.	2440.000	258.588514	0.000	420405.360	4575488.741	20.720353	51.365	386.677473	237.956844	173.675	3.913963	7.965
CIRC.	2460.000	258.164100	0.000	420389.485	4575476.577	0.957719	36.508	366.914839	240.039729	192.758	5.996849	7.865
CIRC.	2480.000	257.739687	0.000	420373.691	4575464.307	364.252912	28.630	330.210032	241.707185	212.045	7.664305	7.765

CIRC.	2500.000	257.315274	0.000	420357.980	4575451.932	323.290038	33.150	289.247158	243.060128	231.482	9.017247	7.665
CIRC.	2520.000	256.890861	0.000	420342.351	4575439.452	299.151819	46.589	265.108939	244.169930	251.036	10.127050	7.576
CIRC.	2540.000	256.466448	0.000	420326.806	4575426.869	286.668677	63.518	252.625797	245.088272	270.679	11.045391	7.502
CIRC.	2560.000	256.042035	0.000	420311.345	4575414.182	279.496650	81.797	245.453770	245.853375	290.393	11.810495	7.441
CIRC.	2580.000	255.617621	0.000	420295.969	4575401.392	274.899420	100.693	240.856540	246.494057	310.164	12.451177	7.395
CIRC.	2600.000	255.193208	0.000	420280.678	4575388.501	271.697332	119.915	237.654452	247.032415	329.980	12.989535	7.363

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 35 : B20 C32 eje mediana CALZADA DERECHA

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 2482.952 Dis= -28.479
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 2276.562 Dis= 58.094

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	2620.000	254.768795	0.000	420265.474	4575375.507	269.324663	139.326	235.281782	247.485660	349.833	13.442780	7.345
CIRC.	2640.000	254.344382	0.000	420250.357	4575362.413	267.481742	158.857	233.438862	247.867381	369.717	13.824501	7.341
CIRC.	2660.000	253.919969	0.000	420235.327	4575349.218	265.996523	178.467	231.953643	248.188444	389.625	14.145564	7.352
CIRC.	2680.000	253.495555	0.000	420220.386	4575335.923	264.763679	198.133	230.720799	248.457636	409.553	14.414755	7.376
CIRC.	2700.000	253.071142	0.000	420205.533	4575322.528	263.715312	217.838	229.672432	248.682134	429.498	14.639254	7.415
CIRC.	2720.000	252.646729	0.000	420190.771	4575309.035	262.805761	237.572	228.762881	248.867861	449.457	14.824981	7.468
CIRC.	2740.000	252.222316	0.000	420176.098	4575295.444	262.003229	257.327	227.960349	249.019739	469.427	14.976859	7.536
CIRC.	2760.000	251.797903	0.000	420161.517	4575281.756	261.284907	277.099	227.242027	249.141898	489.406	15.099018	7.617
CIRC.	2780.000	251.373490	0.000	420147.027	4575267.970	260.634019	296.883	226.591139	249.237824	509.392	15.194944	7.712
RECTA	2790.759	251.145172	0.000	420139.270	4575260.514	260.307220	307.530	226.264340	249.279632	520.146	15.236752	7.766
RECTA	2800.000	251.145172	0.000	420132.619	4575254.099	260.040789	316.678	225.997908	249.312192	529.383	15.269312	7.812
RECTA	2820.000	251.145172	0.000	420118.225	4575240.213	259.513778	336.494	225.470898	249.378912	549.375	15.336032	7.912
RECTA	2840.000	251.145172	0.000	420103.831	4575226.328	259.045417	356.332	225.002537	249.440947	569.367	15.398067	8.012
RECTA	2860.000	251.145172	0.000	420089.436	4575212.442	258.626473	376.186	224.583593	249.498773	589.360	15.455893	8.112
RECTA	2880.000	251.145172	0.000	420075.042	4575198.557	258.249549	396.055	224.206668	249.552805	609.354	15.509925	8.212
RECTA	2900.000	251.145172	0.000	420060.648	4575184.671	257.908647	415.936	223.865767	249.603403	629.348	15.560523	8.312
RECTA	2920.000	251.145172	0.000	420046.254	4575170.786	257.598856	435.829	223.555976	249.650886	649.342	15.608006	8.412
RECTA	2926.134	251.145172	0.000	420041.839	4575166.527	257.509436	441.932	223.466556	249.664868	655.474	15.621988	8.443

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 0.000 Dis= 225.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	421951.342	4576097.865	230.632788	72.798	152.738620	263.880787	225.395	385.986619	8.132
CLOT.	14.310	311.780740	0.000	421937.277	4576100.498	241.835613	78.181	163.941445	266.519057	236.044	388.624890	8.242
CLOT.	20.000	311.724188	0.000	421931.683	4576101.544	245.824140	80.929	167.929973	267.502150	240.386	389.607982	8.286
CLOT.	40.000	310.628034	0.000	421911.998	4576105.073	257.636581	92.847	179.742413	270.659176	256.153	392.765008	8.430
CLOT.	60.000	308.134635	0.000	421892.221	4576108.045	266.274188	107.557	188.380020	273.333977	272.784	395.439810	8.408
CIRC.	66.381	307.045068	0.000	421885.885	4576108.805	268.453549	112.706	190.559381	274.082368	278.282	396.188201	8.398
CLOT.	66.830	306.963499	0.000	421885.440	4576108.855	268.597264	113.075	190.703096	274.133017	278.672	396.238850	8.397
CLOT.	80.000	304.870881	0.000	421872.326	4576110.066	272.327462	124.265	194.433295	275.513837	290.308	397.619669	8.372
CLOT.	100.000	302.851787	0.000	421852.361	4576111.242	276.572179	142.194	198.678011	277.284854	308.492	399.390686	8.327
RECTA	118.901	302.227828	0.000	421833.474	4576111.965	279.550211	159.731	201.656043	278.705470	326.018	0.811303	8.279
RECTA	120.000	302.227828	0.000	421832.376	4576112.004	279.701970	160.762	201.807803	278.782723	327.043	0.888556	8.276
RECTA	140.000	302.227828	0.000	421812.388	4576112.703	282.158239	179.656	204.264071	280.108455	345.777	2.214288	8.225
RECTA	160.000	302.227828	0.000	421792.400	4576113.403	284.144680	198.768	206.250513	281.297460	364.645	3.403292	8.168
CIRC.	167.637	302.227828	0.000	421784.768	4576113.670	284.805774	206.110	206.911607	281.719602	371.882	3.825435	8.145
CIRC.	180.000	301.913013	0.000	421772.411	4576114.072	285.772726	218.046	207.878559	282.364307	383.638	4.470140	8.122
CIRC.	200.000	301.403717	0.000	421752.418	4576114.593	287.096840	237.478	209.202673	283.307806	402.771	5.413639	8.365
CIRC.	220.000	300.894421	0.000	421732.422	4576114.954	288.181464	257.030	210.287296	284.142308	422.027	6.248141	8.996
CIRC.	240.000	300.385125	0.000	421712.423	4576115.155	289.076326	276.675	211.182159	284.881510	441.388	6.987342	10.017
RECTA	242.638	300.317957	0.000	421709.785	4576115.170	289.182264	279.272	211.288096	284.972522	443.949	7.078355	10.175
RECTA	260.000	300.317957	0.000	421692.423	4576115.257	289.831285	296.385	211.937117	285.545107	460.828	7.650939	11.217
RECTA	280.000	300.317957	0.000	421672.423	4576115.356	290.491738	316.131	212.597571	286.154743	480.314	8.260576	12.417
CLOT.	280.766	300.317957	0.000	421671.658	4576115.360	290.515385	316.888	212.621218	286.177099	481.061	8.282932	12.463
CLOT.	300.000	302.589602	0.000	421652.427	4576115.685	291.117317	335.872	213.223150	286.745206	499.790	8.851039	13.617
CLOT.	320.000	309.769838	0.000	421632.520	4576117.494	291.934315	355.364	214.040148	287.467218	518.926	9.573051	14.817
CIRC.	320.643	310.081971	0.000	421631.885	4576117.594	291.966360	355.981	214.072192	287.494422	519.530	9.600255	14.855
CIRC.	340.000	319.561453	0.000	421613.067	4576122.056	293.122589	374.149	215.228422	288.448368	537.175	10.554200	15.842
CLOT.	344.550	321.789640	0.000	421608.755	4576123.508	293.443734	378.284	215.549567	288.707894	541.159	10.813727	16.024
CLOT.	360.000	327.889921	0.000	421594.495	4576129.437	294.639900	391.929	216.745733	289.667347	554.212	11.773179	16.499

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798
Distancia: 166.314 Azimut: 77.894167
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 0.000 Dis= 225.395

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	331.433319	0.000	421576.687	4576138.536	296.284188	409.045	218.390020	290.990646	570.439	13.096479	16.788
CLOT.	384.427	331.553655	0.000	421572.791	4576140.639	296.642993	412.817	218.748825	291.282495	574.005	13.388328	16.802
CLOT.	400.000	330.064527	0.000	421559.035	4576147.938	297.840026	426.245	219.945858	292.270902	586.706	14.376735	16.707
CLOT.	420.000	323.783546	0.000	421540.858	4576156.260	299.120471	444.219	221.226304	293.374010	603.832	15.479843	16.258
CIRC.	424.304	321.789640	0.000	421536.828	4576157.769	299.342674	448.231	221.448507	293.575102	607.687	15.680934	16.114
CIRC.	440.000	314.103134	0.000	421521.760	4576162.133	299.963683	463.275	222.069515	294.174585	622.266	16.280417	15.441
CIRC.	460.000	304.308983	0.000	421501.989	4576165.012	300.344631	483.054	222.450463	294.638273	641.709	16.744106	14.255
CIRC.	480.000	294.514833	0.000	421482.009	4576164.827	300.307585	503.032	222.413417	294.782294	661.635	16.888127	12.777
CLOT.	490.350	289.446346	0.000	421471.744	4576163.527	300.140202	513.292	222.246034	294.739166	671.972	16.844999	12.048
CLOT.	500.000	285.292474	0.000	421462.288	4576161.612	299.904347	522.748	222.010180	294.633731	681.555	16.739564	11.448
CLOT.	520.000	280.324543	0.000	421443.052	4576156.154	299.266683	542.019	221.372516	294.286997	701.192	16.392829	10.446
RECTA	530.227	279.682332	0.000	421433.331	4576152.978	298.913182	551.784	221.019014	294.081810	711.163	16.187642	10.060
RECTA	540.000	279.682332	0.000	421424.051	4576149.911	298.583308	561.123	220.689141	293.888204	720.690	15.994036	9.771
RECTA	560.000	279.682332	0.000	421405.061	4576143.636	297.941379	580.277	220.047211	293.507544	740.208	15.613377	9.424
RECTA	580.000	279.682332	0.000	421386.071	4576137.361	297.340531	599.487	219.446364	293.146455	759.750	15.252288	9.373
RECTA	600.000	279.682332	0.000	421367.081	4576131.086	296.777042	618.747	218.882874	292.803486	779.316	14.909319	9.392
CLOT.	616.608	279.682332	0.000	421351.312	4576125.875	296.335136	634.775	218.440968	292.531513	795.579	14.637346	9.423
CLOT.	620.000	279.675795	0.000	421348.091	4576124.810	296.247600	638.052	218.353432	292.477317	798.903	14.583150	9.431
CLOT.	640.000	279.371448	0.000	421329.113	4576118.499	295.745740	657.389	217.851573	292.163881	818.503	14.269713	9.487
CLOT.	660.000	278.612583	0.000	421310.188	4576112.030	295.257372	676.723	217.363205	291.852673	838.088	13.958505	9.557
CLOT.	680.000	277.399199	0.000	421291.367	4576105.268	294.768748	696.017	216.874581	291.533171	857.630	13.639003	9.634
CIRC.	685.861	276.957488	0.000	421285.878	4576103.212	294.623699	701.658	216.729531	291.436562	863.344	13.542395	9.657
CIRC.	700.000	275.844873	0.000	421272.700	4576098.090	294.268375	715.232	216.374207	291.196441	877.097	13.302274	9.713
CIRC.	714.301	274.719487	0.000	421259.463	4576092.676	293.901370	728.914	216.007203	290.943650	890.960	13.049483	9.769

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	421951.342	4576097.865	230.632788	72.798	324.582928	112.109581	709.554	6.059721	8.132
CLOT.	14.310	311.780740	0.000	421937.277	4576100.498	241.835613	78.181	335.785753	112.116349	695.245	6.066489	8.242
CLOT.	20.000	311.724188	0.000	421931.683	4576101.544	245.824140	80.929	339.774280	112.119274	689.555	6.069414	8.286
CLOT.	40.000	310.628034	0.000	421911.998	4576105.073	257.636581	92.847	351.586721	112.143968	669.557	6.094108	8.430
CLOT.	60.000	308.134635	0.000	421892.221	4576108.045	266.274188	107.557	360.224328	112.225414	649.576	6.175554	8.408
CIRC.	66.381	307.045068	0.000	421885.885	4576108.805	268.453549	112.706	362.403689	112.271244	643.212	6.221384	8.398
CLOT.	66.830	306.963499	0.000	421885.440	4576108.855	268.597264	113.075	362.547404	112.274915	642.765	6.225055	8.397
CLOT.	80.000	304.870881	0.000	421872.326	4576110.066	272.327462	124.265	366.277602	112.408720	629.663	6.358860	8.372
CLOT.	100.000	302.851787	0.000	421852.361	4576111.242	276.572179	142.194	370.522319	112.691960	609.855	6.642100	8.327
RECTA	118.901	302.227828	0.000	421833.474	4576111.965	279.550211	159.731	373.500351	113.018436	591.206	6.968577	8.279
RECTA	120.000	302.227828	0.000	421832.376	4576112.004	279.701970	160.762	373.652110	113.038434	590.123	6.988574	8.276
RECTA	140.000	302.227828	0.000	421812.388	4576112.703	282.158239	179.656	376.108379	113.415657	570.421	7.365797	8.225
RECTA	160.000	302.227828	0.000	421792.400	4576113.403	284.144680	198.768	378.094820	113.819855	550.740	7.769996	8.168
CIRC.	167.637	302.227828	0.000	421784.768	4576113.670	284.805774	206.110	378.755915	113.981928	543.231	7.932068	8.145
CIRC.	180.000	301.913013	0.000	421772.411	4576114.072	285.772726	218.046	379.722866	114.257591	531.089	8.207731	8.122
CIRC.	200.000	301.403717	0.000	421752.418	4576114.593	287.096840	237.478	381.046980	114.747029	511.494	8.697169	8.365

CIRC.	220.000	300.894421	0.000	421732.422	4576114.954	288.181464	257.030	382.131604	115.295640	491.967	9.245780	8.996
CIRC.	240.000	300.385125	0.000	421712.423	4576115.155	289.076326	276.675	383.026466	115.910515	472.517	9.860655	10.017
RECTA	242.638	300.317957	0.000	421709.785	4576115.170	289.182264	279.272	383.132404	115.996975	469.958	9.947115	10.175
RECTA	260.000	300.317957	0.000	421692.423	4576115.257	289.831285	296.385	383.781425	116.591679	453.139	10.541819	11.217
RECTA	280.000	300.317957	0.000	421672.423	4576115.356	290.491738	316.131	384.441878	117.333806	433.819	11.283946	12.417
CLOT.	280.766	300.317957	0.000	421671.658	4576115.360	290.515385	316.888	384.465525	117.363532	433.080	11.313672	12.463
CLOT.	300.000	302.589602	0.000	421652.427	4576115.685	291.117317	335.872	385.067457	118.111125	414.502	12.061265	13.617
CLOT.	320.000	309.769838	0.000	421632.520	4576117.494	291.934315	355.364	385.884455	118.731898	394.906	12.682038	14.817
CIRC.	320.643	310.081971	0.000	421631.885	4576117.594	291.966360	355.981	385.916500	118.746205	394.269	12.696345	14.855
CIRC.	340.000	319.561453	0.000	421613.067	4576122.056	293.122589	374.149	387.072730	118.948489	374.968	12.898629	15.842
CLOT.	344.550	321.789640	0.000	421608.755	4576123.508	293.443734	378.284	387.393874	118.927278	370.420	12.877418	16.024
CLOT.	360.000	327.889921	0.000	421594.495	4576129.437	294.639900	391.929	388.590040	118.659885	355.051	12.610025	16.499

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	331.433319	0.000	421576.687	4576138.536	296.284188	409.045	390.234328	117.983140	335.393	11.933280	16.788
CLOT.	384.427	331.553655	0.000	421572.791	4576140.639	296.642993	412.817	390.593133	117.803573	331.067	11.753713	16.802
CLOT.	400.000	330.064527	0.000	421559.035	4576147.938	297.840026	426.245	391.790166	117.154806	315.847	11.104946	16.707
CLOT.	420.000	323.783546	0.000	421540.858	4576156.260	299.120471	444.219	393.070611	116.470549	296.128	10.420689	16.258
CIRC.	424.304	321.789640	0.000	421536.828	4576157.769	299.342674	448.231	393.292815	116.377284	291.846	10.327424	16.114
CIRC.	440.000	314.103134	0.000	421521.760	4576162.133	299.963683	463.275	393.913823	116.288165	276.164	10.238305	15.441
CIRC.	460.000	304.308983	0.000	421501.989	4576165.012	300.344631	483.054	394.294771	116.839095	256.317	10.789235	14.255
CIRC.	480.000	294.514833	0.000	421482.009	4576164.827	300.307585	503.032	394.257725	118.289269	237.142	12.239409	12.777
CLOT.	490.350	289.446346	0.000	421471.744	4576163.527	300.140202	513.292	394.090342	119.451111	227.704	13.401251	12.048
CLOT.	500.000	285.292474	0.000	421462.288	4576161.612	299.904347	522.748	393.854487	120.807281	219.312	14.757422	11.448
CLOT.	520.000	280.324543	0.000	421443.052	4576156.154	299.266683	542.019	393.216823	124.363986	203.164	18.314126	10.446
RECTA	530.227	279.682332	0.000	421433.331	4576152.978	298.913182	551.784	392.863322	126.506595	195.443	20.456735	10.060
RECTA	540.000	279.682332	0.000	421424.051	4576149.911	298.583308	561.123	392.533448	128.723904	188.310	22.674044	9.771
RECTA	560.000	279.682332	0.000	421405.061	4576143.636	297.941379	580.277	391.891519	133.810074	174.513	27.760214	9.424
RECTA	580.000	279.682332	0.000	421386.071	4576137.361	297.340531	599.487	391.290672	139.723918	162.016	33.674058	9.373
RECTA	600.000	279.682332	0.000	421367.081	4576131.086	296.777042	618.747	390.727182	146.555605	151.140	40.505745	9.392
CLOT.	616.608	279.682332	0.000	421351.312	4576125.875	296.335136	634.775	390.285276	152.954300	143.608	46.904440	9.423
CLOT.	620.000	279.675795	0.000	421348.091	4576124.810	296.247600	638.052	390.197740	154.340571	142.259	48.290711	9.431
CLOT.	640.000	279.371448	0.000	421329.113	4576118.499	295.745740	657.389	389.695880	163.017024	135.800	56.967164	9.487
CLOT.	660.000	278.612583	0.000	421310.188	4576112.030	295.257372	676.723	389.207512	172.375281	132.249	66.325421	9.557
CLOT.	680.000	277.399199	0.000	421291.367	4576105.268	294.768748	696.017	388.718888	182.020813	131.982	75.970953	9.634
CIRC.	685.861	276.957488	0.000	421285.878	4576103.212	294.623699	701.658	388.573839	184.828496	132.556	78.778637	9.657
CIRC.	700.000	275.844873	0.000	421272.700	4576098.090	294.268375	715.232	388.218515	191.442018	135.151	85.392158	9.713
CIRC.	714.301	274.719487	0.000	421259.463	4576092.676	293.901370	728.914	387.851510	197.772775	139.431	91.722915	9.769

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	421951.342	4576097.865	112.109581	709.554	6.059721	230.632788	72.798	324.582928	8.132

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	421951.342	4576097.865	112.109581	709.554	6.059721	230.632788	72.798	324.582928	8.132
CLOT.	14.310	311.780740	0.000	421937.277	4576100.498	112.116349	695.245	6.066489	241.835613	78.181	335.785753	8.242
CLOT.	20.000	311.724188	0.000	421931.683	4576101.544	112.119274	689.555	6.069414	245.824140	80.929	339.774280	8.286
CLOT.	40.000	310.628034	0.000	421911.998	4576105.073	112.143968	669.557	6.094108	257.636581	92.847	351.586721	8.430
CLOT.	60.000	308.134635	0.000	421892.221	4576108.045	112.225414	649.576	6.175554	266.274188	107.557	360.224328	8.408
CIRC.	66.381	307.045068	0.000	421885.885	4576108.805	112.271244	643.212	6.221384	268.453549	112.706	362.403689	8.398
CLOT.	66.830	306.963499	0.000	421885.440	4576108.855	112.274915	642.765	6.225055	268.597264	113.075	362.547404	8.397
CLOT.	80.000	304.870881	0.000	421872.326	4576110.066	112.408720	629.663	6.358860	272.327462	124.265	366.277602	8.372
CLOT.	100.000	302.851787	0.000	421852.361	4576111.242	112.691960	609.855	6.642100	276.572179	142.194	370.522319	8.327
RECTA	118.901	302.227828	0.000	421833.474	4576111.965	113.018436	591.206	6.968577	279.550211	159.731	373.500351	8.279
RECTA	120.000	302.227828	0.000	421832.376	4576112.004	113.038434	590.123	6.988574	279.701970	160.762	373.652110	8.276
RECTA	140.000	302.227828	0.000	421812.388	4576112.703	113.415657	570.421	7.365797	282.158239	179.656	376.108379	8.225
RECTA	160.000	302.227828	0.000	421792.400	4576113.403	113.819855	550.740	7.769996	284.144680	198.768	378.094820	8.168
CIRC.	167.637	302.227828	0.000	421784.768	4576113.670	113.981928	543.231	7.932068	284.805774	206.110	378.755915	8.145
CIRC.	180.000	301.913013	0.000	421772.411	4576114.072	114.257591	531.089	8.207731	285.772726	218.046	379.722866	8.122
CIRC.	200.000	301.403717	0.000	421752.418	4576114.593	114.747029	511.494	8.697169	287.096840	237.478	381.046980	8.365
CIRC.	220.000	300.894421	0.000	421732.422	4576114.954	115.295640	491.967	9.245780	288.181464	257.030	382.131604	8.996
CIRC.	240.000	300.385125	0.000	421712.423	4576115.155	115.910515	472.517	9.860655	289.076326	276.675	383.026466	10.017
RECTA	242.638	300.317957	0.000	421709.785	4576115.170	115.996975	469.958	9.947115	289.182264	279.272	383.132404	10.175
RECTA	260.000	300.317957	0.000	421692.423	4576115.257	116.591679	453.139	10.541819	289.831285	296.385	383.781425	11.217
RECTA	280.000	300.317957	0.000	421672.423	4576115.356	117.333806	433.819	11.283946	290.491738	316.131	384.441878	12.417
CLOT.	280.766	300.317957	0.000	421671.658	4576115.360	117.363532	433.080	11.313672	290.515385	316.888	384.465525	12.463
CLOT.	300.000	302.589602	0.000	421652.427	4576115.685	118.111125	414.502	12.061265	291.117317	335.872	385.067457	13.617
CLOT.	320.000	309.769838	0.000	421632.520	4576117.494	118.731898	394.906	12.682038	291.934315	355.364	385.884455	14.817
CIRC.	320.643	310.081971	0.000	421631.885	4576117.594	118.746205	394.269	12.696345	291.966360	355.981	385.916500	14.855
CIRC.	340.000	319.561453	0.000	421613.067	4576122.056	118.948489	374.968	12.898629	293.122589	374.149	387.072730	15.842
CLOT.	344.550	321.789640	0.000	421608.755	4576123.508	118.927278	370.420	12.877418	293.443734	378.284	387.393874	16.024
CLOT.	360.000	327.889921	0.000	421594.495	4576129.437	118.659885	355.051	12.610025	294.639900	391.929	388.590040	16.499

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 0.000 Dis= 72.798

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	331.433319	0.000	421576.687	4576138.536	117.983140	335.393	11.933280	296.284188	409.045	390.234328	16.788
CLOT.	384.427	331.553655	0.000	421572.791	4576140.639	117.803573	331.067	11.753713	296.642993	412.817	390.593133	16.802
CLOT.	400.000	330.064527	0.000	421559.035	4576147.938	117.154806	315.847	11.104946	297.840026	426.245	391.790166	16.707
CLOT.	420.000	323.783546	0.000	421540.858	4576156.260	116.470549	296.128	10.420689	299.120471	444.219	393.070611	16.258
CIRC.	424.304	321.789640	0.000	421536.828	4576157.769	116.377284	291.846	10.327424	299.342674	448.231	393.292815	16.114
CIRC.	440.000	314.103134	0.000	421521.760	4576162.133	116.288165	276.164	10.238305	299.963683	463.275	393.913823	15.441
CIRC.	460.000	304.308983	0.000	421501.989	4576165.012	116.839095	256.317	10.789235	300.344631	483.054	394.294771	14.255
CIRC.	480.000	294.514833	0.000	421482.009	4576164.827	118.289269	237.142	12.239409	300.307585	503.032	394.257725	12.777
CLOT.	490.350	289.446346	0.000	421471.744	4576163.527	119.451111	227.704	13.401251	300.140202	513.292	394.090342	12.048
CLOT.	500.000	285.292474	0.000	421462.288	4576161.612	120.807281	219.312	14.757422	299.904347	522.748	393.854487	11.448
CLOT.	520.000	280.324543	0.000	421443.052	4576156.154	124.363986	203.164	18.314126	299.266683	542.019	393.216823	10.446
RECTA	530.227	279.682332	0.000	421433.331	4576152.978	126.506595	195.443	20.456735	298.913182	551.784	392.863322	10.060
RECTA	540.000	279.682332	0.000	421424.051	4576149.911	128.723904	188.310	22.674044	298.583308	561.123	392.533448	9.771
RECTA	560.000	279.682332	0.000	421405.061	4576143.636	133.810074	174.513	27.760214	297.941379	580.277	391.891519	9.424
RECTA	580.000	279.682332	0.000	421386.071	4576137.361	139.723918	162.016	33.674058	297.340531	599.487	391.290672	9.373
RECTA	600.000	279.682332	0.000	421367.081	4576131.086	146.555605	151.140	40.505745	296.777042	618.747	390.727182	9.392
CLOT.	616.608	279.682332	0.000	421351.312	4576125.875	152.954300	143.608	46.904440	296.335136	634.775	390.285276	9.423
CLOT.	620.000	279.675795	0.000	421348.091	4576124.810	154.340571	142.259	48.290711	296.247600	638.052	390.197740	9.431
CLOT.	640.000	279.371448	0.000	421329.113	4576118.499	163.017024	135.800	56.967164	295.745740	657.389	389.695880	9.487
CLOT.	660.000	278.612583	0.000	421310.188	4576112.030	172.375281	132.249	66.325421	295.257372	676.723	389.207512	9.557
CLOT.	680.000	277.399199	0.000	421291.367	4576105.268	182.020813	131.982	75.970953	294.768748	696.017	388.718888	9.634
CIRC.	685.861	276.957488	0.000	421285.878	4576103.212	184.828496	132.556	78.778637	294.623699	701.658	388.573839	9.657
CIRC.	700.000	275.844873	0.000	421272.700	4576098.090	191.442018	135.151	85.392158	294.268375	715.232	388.218515	9.713
CIRC.	714.301	274.719487	0.000	421259.463	4576092.676	197.772775	139.431	91.722915	293.901370	728.914	387.851510	9.769

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

*** * * DATOS PARA REPLANTEO DE PUNTOS * * ***

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 714.301 Dis= 223.529

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	311.780740	0.000	421951.342	4576097.865	112.109581	709.554	237.310359	103.159422	910.781	28.360200	8.132
CLOT.	14.310	311.780740	0.000	421937.277	4576100.498	112.116349	695.245	237.317127	103.022246	896.604	28.223024	8.242
CLOT.	20.000	311.724188	0.000	421931.683	4576101.544	112.119274	689.555	237.320052	102.966605	890.968	28.167383	8.286
CLOT.	40.000	310.628034	0.000	421911.998	4576105.073	112.143968	669.557	237.344746	102.776002	871.143	27.976779	8.430
CLOT.	60.000	308.134635	0.000	421892.221	4576108.045	112.225414	649.576	237.426191	102.618379	851.258	27.819157	8.408
CIRC.	66.381	307.045068	0.000	421885.885	4576108.805	112.271244	643.212	237.472022	102.580781	844.896	27.781559	8.398
CLOT.	66.830	306.963499	0.000	421885.440	4576108.855	112.274915	642.765	237.475692	102.578434	844.449	27.779211	8.397
CLOT.	80.000	304.870881	0.000	421872.326	4576110.066	112.408720	629.663	237.609497	102.526363	831.297	27.727140	8.372
CLOT.	100.000	302.851787	0.000	421852.361	4576111.242	112.691960	609.855	237.892738	102.496327	811.302	27.697105	8.327
RECTA	118.901	302.227828	0.000	421833.474	4576111.965	113.018436	591.206	238.219214	102.497770	792.401	27.698548	8.279
RECTA	120.000	302.227828	0.000	421832.376	4576112.004	113.038434	590.123	238.239212	102.498145	791.302	27.698923	8.276
RECTA	140.000	302.227828	0.000	421812.388	4576112.703	113.415657	570.421	238.616435	102.505155	771.302	27.705932	8.225
RECTA	160.000	302.227828	0.000	421792.400	4576113.403	113.819855	550.740	239.020633	102.512537	751.302	27.713315	8.168
CIRC.	167.637	302.227828	0.000	421784.768	4576113.670	113.981928	543.231	239.182705	102.515461	743.665	27.716239	8.145
CIRC.	180.000	301.913013	0.000	421772.411	4576114.072	114.257591	531.089	239.458369	102.522985	731.303	27.723762	8.122
CIRC.	200.000	301.403717	0.000	421752.418	4576114.593	114.747029	511.494	239.947806	102.547295	711.305	27.748072	8.365
CIRC.	220.000	300.894421	0.000	421732.422	4576114.954	115.295640	491.967	240.496417	102.587743	691.310	27.788520	8.996
CIRC.	240.000	300.385125	0.000	421712.423	4576115.155	115.910515	472.517	241.111292	102.645768	671.319	27.846545	10.017
RECTA	242.638	300.317957	0.000	421709.785	4576115.170	115.996975	469.958	241.197752	102.654815	668.683	27.855593	10.175
RECTA	260.000	300.317957	0.000	421692.423	4576115.257	116.591679	453.139	241.792457	102.717094	651.333	27.917872	11.217
RECTA	280.000	300.317957	0.000	421672.423	4576115.356	117.333806	433.819	242.534584	102.793077	631.348	27.993854	12.417
CLOT.	280.766	300.317957	0.000	421671.658	4576115.360	117.363532	433.080	242.564309	102.796081	630.583	27.996859	12.463
CLOT.	300.000	302.589602	0.000	421652.427	4576115.685	118.111125	414.502	243.311903	102.850215	611.357	28.050992	13.617
CLOT.	320.000	309.769838	0.000	421632.520	4576117.494	118.731898	394.906	243.932676	102.751549	591.389	27.952326	14.817
CIRC.	320.643	310.081971	0.000	421631.885	4576117.594	118.746205	394.269	243.946982	102.743762	590.751	27.944540	14.855
CIRC.	340.000	319.561453	0.000	421613.067	4576122.056	118.948489	374.968	244.149266	102.337681	571.770	27.538458	15.842
CLOT.	344.550	321.789640	0.000	421608.755	4576123.508	118.927278	370.420	244.128056	102.192662	567.409	27.393440	16.024
CLOT.	360.000	327.889921	0.000	421594.495	4576129.437	118.659885	355.051	243.860663	101.567011	552.979	26.767788	16.499

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 56 : Ramal C31C a B20 C32

*** * * DATOS PARA REPLANTEO DE PUNTOS * * ***

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 671.596 Dis= 131.678
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 714.301 Dis= 223.529

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	380.000	331.433319	0.000	421576.687	4576138.536	117.983140	335.393	243.183917	100.536826	535.023	25.737603	16.788
CLOT.	384.427	331.553655	0.000	421572.791	4576140.639	117.803573	331.067	243.004351	100.288695	531.114	25.489473	16.802
CLOT.	400.000	330.064527	0.000	421559.035	4576147.938	117.154806	315.847	242.355584	99.398189	517.376	24.598966	16.707
CLOT.	420.000	323.783546	0.000	421540.858	4576156.260	116.470549	296.128	241.671326	98.315277	499.350	23.516055	16.258
CIRC.	424.304	321.789640	0.000	421536.828	4576157.769	116.377284	291.846	241.578061	98.107715	495.363	23.308493	16.114
CIRC.	440.000	314.103134	0.000	421521.760	4576162.133	116.288165	276.164	241.488943	97.470418	480.456	22.671195	15.441
CIRC.	460.000	304.308983	0.000	421501.989	4576165.012	116.839095	256.317	242.039872	96.964465	460.829	22.165242	14.255
CIRC.	480.000	294.514833	0.000	421482.009	4576164.827	118.289269	237.142	243.490046	96.853572	440.864	22.054350	12.777
CLOT.	490.350	289.446346	0.000	421471.744	4576163.527	119.451111	227.704	244.651888	96.970569	430.548	22.171347	12.048
CLOT.	500.000	285.292474	0.000	421462.288	4576161.612	120.807281	219.312	246.008059	97.191923	421.014	22.392700	11.448
CLOT.	520.000	280.324543	0.000	421443.052	4576156.154	124.363986	203.164	249.564764	97.921863	401.583	23.122641	10.446
RECTA	530.227	279.682332	0.000	421433.331	4576152.978	126.506595	195.443	251.707373	98.386144	391.774	23.586921	10.060
RECTA	540.000	279.682332	0.000	421424.051	4576149.911	128.723904	188.310	253.924682	98.857280	382.430	24.058057	9.771
RECTA	560.000	279.682332	0.000	421405.061	4576143.636	133.810074	174.513	259.010851	99.896810	363.379	25.097588	9.424
RECTA	580.000	279.682332	0.000	421386.071	4576137.361	139.723918	162.016	264.924695	101.051024	344.435	26.251801	9.373
RECTA	600.000	279.682332	0.000	421367.081	4576131.086	146.555605	151.140	271.756382	102.339105	325.618	27.539883	9.392
CLOT.	616.608	279.682332	0.000	421351.312	4576125.875	152.954300	143.608	278.155078	103.527125	310.105	28.727903	9.423
CLOT.	620.000	279.675795	0.000	421348.091	4576124.810	154.340571	142.259	279.541349	103.784535	306.950	28.985312	9.431
CLOT.	640.000	279.371448	0.000	421329.113	4576118.499	163.017024	135.800	288.217802	105.423861	288.476	30.624639	9.487
CLOT.	660.000	278.612583	0.000	421310.188	4576112.030	172.375281	132.249	297.576058	107.321663	270.291	32.522441	9.557
CLOT.	680.000	277.399199	0.000	421291.367	4576105.268	182.020813	131.982	307.221591	109.560019	252.525	34.760796	9.634
CIRC.	685.861	276.957488	0.000	421285.878	4576103.212	184.828496	132.556	310.029274	110.294401	247.423	35.495179	9.657
CIRC.	700.000	275.844873	0.000	421272.700	4576098.090	191.442018	135.151	316.642796	112.236000	235.350	37.436777	9.713
CIRC.	714.301	274.719487	0.000	421259.463	4576092.676	197.772775	139.431	322.973552	114.470136	223.529	39.670913	9.769

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

*** * * DATOS PARA REPLANTEO DE PUNTOS * * ***

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	136.260631	100.654	76.470086	233.139380	230.882	373.348836	15.156
CLOT.	4.374	166.093060	0.000	420589.868	4575574.402	137.463414	104.576	77.672870	232.101063	233.078	372.310519	15.099
CLOT.	20.000	162.255104	0.000	420598.070	4575561.105	140.947702	118.957	81.157157	228.507260	241.141	368.716716	14.846
CLOT.	40.000	146.142728	0.000	420610.965	4575545.887	142.990627	138.473	83.200083	223.864316	249.940	364.073772	14.432
CIRC.	47.505	136.851270	0.000	420616.915	4575541.325	142.921487	145.970	83.130943	222.043894	252.110	362.253350	14.256
CIRC.	60.000	119.909135	0.000	420628.156	4575535.953	141.785770	158.130	81.995226	218.931437	253.651	359.140893	13.924
CIRC.	80.000	92.790082	0.000	420647.906	4575533.977	137.975015	175.297	78.184471	213.980406	250.511	354.189862	13.310
CIRC.	100.000	65.671028	0.000	420666.708	4575540.338	132.608299	187.945	72.817755	209.491673	240.804	349.701129	12.669
CLOT.	112.931	48.136693	0.000	420676.756	4575548.413	128.662061	193.117	68.871517	207.088347	231.492	347.297803	12.431
CLOT.	120.000	39.337382	0.000	420681.225	4575553.883	126.417600	194.881	66.627056	206.006645	225.592	346.216101	12.409
CLOT.	140.000	22.950401	0.000	420690.305	4575571.640	119.973549	197.041	60.183005	203.742345	207.189	343.951801	12.762
RECTA	156.062	18.894902	0.000	420695.327	4575586.894	114.798189	197.763	55.007645	202.375116	191.710	342.584572	13.490
RECTA	160.000	18.894902	0.000	420696.479	4575590.659	113.535032	198.055	53.744488	202.032811	187.907	342.242267	13.714
RECTA	180.000	18.894902	0.000	420702.328	4575609.785	107.203990	200.729	47.413446	200.056561	168.686	340.266017	14.854
RECTA	200.000	18.894902	0.000	420708.177	4575628.910	101.097804	205.325	41.307260	197.575178	149.669	337.784633	15.808
CLOT.	201.906	18.894902	0.000	420708.735	4575630.733	100.531258	205.859	40.740714	197.305485	147.870	337.514941	15.877
CLOT.	220.000	20.747574	0.000	420714.194	4575647.983	95.328978	211.881	35.538434	194.299319	131.013	334.508775	16.341
CLOT.	240.000	27.106762	0.000	420721.422	4575666.623	90.125530	221.194	30.334986	189.318925	113.441	329.528381	16.451
CIRC.	250.397	32.201183	0.000	420726.076	4575675.917	87.755262	227.386	27.964718	185.602056	105.234	325.811512	16.342
CIRC.	260.000	37.471217	0.000	420731.070	4575684.115	85.825166	233.963	26.034622	181.268592	98.593	321.478048	16.140
CLOT.	261.842	38.482111	0.000	420732.105	4575685.639	85.484902	235.312	25.694357	180.332872	97.445	320.542328	16.090
CLOT.	280.000	46.581621	0.000	420743.416	4575699.829	82.612751	249.791	22.822207	169.445065	88.660	309.654521	15.406
CLOT.	300.000	51.184150	0.000	420757.389	4575714.131	80.229738	267.292	20.439194	155.022997	84.587	295.232453	14.251
RECTA	310.333	51.788391	0.000	420764.876	4575721.253	79.195511	276.634	19.404966	147.244645	84.660	287.454101	13.529
RECTA	320.000	51.788391	0.000	420771.901	4575727.894	78.295745	285.447	18.505201	140.083058	85.893	280.292514	12.852
RECTA	340.000	51.788391	0.000	420786.434	4575741.633	76.600735	303.846	16.810190	126.322784	91.683	266.532240	11.474
RECTA	360.000	51.788391	0.000	420800.968	4575755.373	75.100208	322.435	15.309663	114.665266	101.163	254.874721	10.449
RECTA	380.000	51.788391	0.000	420815.502	4575769.112	73.763922	341.185	13.973378	105.259593	113.411	245.469049	9.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

*** * * DATOS PARA REPLANTEO DE PUNTOS * * ***

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	394.749	51.788391	0.000	420826.220	4575779.244	72.869183	355.098	13.078639	99.602464	123.744	239.811920	9.778
CLOT.	400.000	52.136924	0.000	420830.042	4575782.844	72.568923	360.071	12.778379	97.818333	127.639	238.027788	9.776
CLOT.	412.739	55.878684	0.000	420839.552	4575791.317	71.931632	372.269	12.141088	94.051120	137.675	234.260576	9.760
CLOT.	420.000	58.514248	0.000	420845.241	4575795.830	71.654173	379.343	11.863629	92.297089	143.814	232.506545	9.746
RECTA	430.729	59.968978	0.000	420853.869	4575802.206	71.321321	389.881	11.530776	90.099764	153.240	230.309220	9.706
RECTA	440.000	59.968978	0.000	420861.367	4575807.659	71.058934	399.009	11.268390	88.434186	161.547	228.643642	9.659
RECTA	452.062	59.968978	0.000	420871.121	4575814.753	70.735038	410.893	10.944494	86.509236	172.502	226.718692	9.600

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

*** * * DATOS PARA REPLANTEO DE PUNTOS * * ***

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 13.309 Dis= 241.415

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

RECTA	0.000	166.093060	0.000	420587.647	4575578.170	136.260631	100.654	302.217751	61.335518	241.985	27.292638	15.156
CLOT.	4.374	166.093060	0.000	420589.868	4575574.402	137.463414	104.576	303.420534	62.484552	241.698	28.441672	15.099
CLOT.	20.000	162.255104	0.000	420598.070	4575561.105	140.947702	118.957	306.904822	66.600844	241.631	32.557964	14.846
CLOT.	40.000	146.142728	0.000	420610.965	4575545.887	142.990627	138.473	308.947747	71.687170	245.954	37.644290	14.432
CIRC.	47.505	136.851270	0.000	420616.915	4575541.325	142.921487	145.970	308.878607	73.391931	249.452	39.349051	14.256
CIRC.	60.000	119.909135	0.000	420628.156	4575535.953	141.785770	158.130	307.742890	75.732116	257.719	41.689236	13.924
CIRC.	80.000	92.790082	0.000	420647.906	4575533.977	137.975015	175.297	303.932135	77.854602	275.469	43.811722	13.310
CIRC.	100.000	65.671028	0.000	420666.708	4575540.338	132.608299	187.945	298.565419	77.947078	295.314	43.904198	12.669
CLOT.	112.931	48.136693	0.000	420676.756	4575548.413	128.662061	193.117	294.619181	77.080986	307.535	43.038106	12.431
CLOT.	120.000	39.337382	0.000	420681.225	4575553.883	126.417600	194.881	292.374720	76.361451	313.664	42.318571	12.409
CLOT.	140.000	22.950401	0.000	420690.305	4575571.640	119.973549	197.041	285.930669	73.795210	328.836	39.752330	12.762
RECTA	156.062	18.894902	0.000	420695.327	4575586.894	114.798189	197.763	280.755309	71.551696	339.753	37.508816	13.490
RECTA	160.000	18.894902	0.000	420696.479	4575590.659	113.535032	198.055	279.492152	71.012904	342.431	36.970024	13.714
RECTA	180.000	18.894902	0.000	420702.328	4575609.785	107.203990	200.729	273.161110	68.403361	356.394	34.360481	14.854
RECTA	200.000	18.894902	0.000	420708.177	4575628.910	101.097804	205.325	267.054924	65.994286	370.911	31.951406	15.808
CLOT.	201.906	18.894902	0.000	420708.735	4575630.733	100.531258	205.859	266.488378	65.774578	372.320	31.731697	15.877
CLOT.	220.000	20.747574	0.000	420714.194	4575647.983	95.328978	211.881	261.286098	63.791799	386.030	29.748919	16.341
CLOT.	240.000	27.106762	0.000	420721.422	4575666.623	90.125530	221.194	256.082650	61.922466	402.333	27.879586	16.451
CIRC.	250.397	32.201183	0.000	420726.076	4575675.917	87.755262	227.386	253.712382	61.139437	411.443	27.096557	16.342
CIRC.	260.000	37.471217	0.000	420731.070	4575684.115	85.825166	233.963	251.782286	60.555529	420.253	26.512649	16.140
CLOT.	261.842	38.482111	0.000	420732.105	4575685.639	85.484902	235.312	251.442021	60.459025	421.981	26.416145	16.090
CLOT.	280.000	46.581621	0.000	420743.416	4575699.829	82.612751	249.791	248.569871	59.740877	439.464	25.697997	15.406
CLOT.	300.000	51.184150	0.000	420757.389	4575714.131	80.229738	267.292	246.186858	59.286558	459.201	25.243677	14.251
RECTA	310.333	51.788391	0.000	420764.876	4575721.253	79.195511	276.634	245.152630	59.117495	469.461	25.074614	13.529
RECTA	320.000	51.788391	0.000	420771.901	4575727.894	78.295745	285.447	244.252865	58.969933	479.065	24.927053	12.852
RECTA	340.000	51.788391	0.000	420786.434	4575741.633	76.600735	303.846	242.557854	58.682672	498.943	24.639792	11.474
RECTA	360.000	51.788391	0.000	420800.968	4575755.373	75.100208	322.435	241.057327	58.417427	518.830	24.374547	10.449
RECTA	380.000	51.788391	0.000	420815.502	4575769.112	73.763922	341.185	239.721042	58.171771	538.726	24.128890	9.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 13.309 Dis= 241.415

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	394.749	51.788391	0.000	420826.220	4575779.244	72.869183	355.098	238.826303	58.001933	553.402	23.959053	9.778
CLOT.	400.000	52.136924	0.000	420830.042	4575782.844	72.568923	360.071	238.526043	57.944703	558.630	23.901822	9.776
CLOT.	412.739	55.878684	0.000	420839.552	4575791.317	71.931632	372.269	237.888752	57.849389	571.338	23.806509	9.760
CLOT.	420.000	58.514248	0.000	420845.241	4575795.830	71.654173	379.343	237.611293	57.842590	578.599	23.799710	9.746
RECTA	430.729	59.968978	0.000	420853.869	4575802.206	71.321321	389.881	237.278441	57.872469	589.324	23.829589	9.706
RECTA	440.000	59.968978	0.000	420861.367	4575807.659	71.058934	399.009	237.016054	57.904935	598.590	23.862055	9.659
RECTA	452.062	59.968978	0.000	420871.121	4575814.753	70.735038	410.893	236.692158	57.945697	610.645	23.902817	9.600

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	136.260631	100.654	76.470086	233.139380	230.882	373.348836	15.156
CLOT.	4.374	166.093060	0.000	420589.868	4575574.402	137.463414	104.576	77.672870	232.101063	233.078	372.310519	15.099
CLOT.	20.000	162.255104	0.000	420598.070	4575561.105	140.947702	118.957	81.157157	228.507260	241.141	368.716716	14.846
CLOT.	40.000	146.142728	0.000	420610.965	4575545.887	142.990627	138.473	83.200083	223.864316	249.940	364.073772	14.432
CIRC.	47.505	136.851270	0.000	420616.915	4575541.325	142.921487	145.970	83.130943	222.043894	252.110	362.253350	14.256
CIRC.	60.000	119.909135	0.000	420628.156	4575535.953	141.785770	158.130	81.995226	218.931437	253.651	359.140893	13.924
CIRC.	80.000	92.790082	0.000	420647.906	4575533.977	137.975015	175.297	78.184471	213.980406	250.511	354.189862	13.310
CIRC.	100.000	65.671028	0.000	420666.708	4575540.338	132.608299	187.945	72.817755	209.491673	240.804	349.701129	12.669
CLOT.	112.931	48.136693	0.000	420676.756	4575548.413	128.662061	193.117	68.871517	207.088347	231.492	347.297803	12.431
CLOT.	120.000	39.337382	0.000	420681.225	4575553.883	126.417600	194.881	66.627056	206.006645	225.592	346.216101	12.409
CLOT.	140.000	22.950401	0.000	420690.305	4575571.640	119.973549	197.041	60.183005	203.742345	207.189	343.951801	12.762
RECTA	156.062	18.894902	0.000	420695.327	4575586.894	114.798189	197.763	55.007645	202.375116	191.710	342.584572	13.490
RECTA	160.000	18.894902	0.000	420696.479	4575590.659	113.535032	198.055	53.744488	202.032811	187.907	342.242267	13.714
RECTA	180.000	18.894902	0.000	420702.328	4575609.785	107.203990	200.729	47.413446	200.056561	168.686	340.266017	14.854
RECTA	200.000	18.894902	0.000	420708.177	4575628.910	101.097804	205.325	41.307260	197.575178	149.669	337.784633	15.808
CLOT.	201.906	18.894902	0.000	420708.735	4575630.733	100.531258	205.859	40.740714	197.305485	147.870	337.514941	15.877
CLOT.	220.000	20.747574	0.000	420714.194	4575647.983	95.328978	211.881	35.538434	194.299319	131.013	334.508775	16.341
CLOT.	240.000	27.106762	0.000	420721.422	4575666.623	90.125530	221.194	30.334986	189.318925	113.441	329.528381	16.451
CIRC.	250.397	32.201183	0.000	420726.076	4575675.917	87.755262	227.386	27.964718	185.602056	105.234	325.811512	16.342
CIRC.	260.000	37.471217	0.000	420731.070	4575684.115	85.825166	233.963	26.034622	181.268592	98.593	321.478048	16.140
CLOT.	261.842	38.482111	0.000	420732.105	4575685.639	85.484902	235.312	25.694357	180.332872	97.445	320.542328	16.090
CLOT.	280.000	46.581621	0.000	420743.416	4575699.829	82.612751	249.791	22.822207	169.445065	88.660	309.654521	15.406
CLOT.	300.000	51.184150	0.000	420757.389	4575714.131	80.229738	267.292	20.439194	155.022997	84.587	295.232453	14.251
RECTA	310.333	51.788391	0.000	420764.876	4575721.253	79.195511	276.634	19.404966	147.244645	84.660	287.454101	13.529
RECTA	320.000	51.788391	0.000	420771.901	4575727.894	78.295745	285.447	18.505201	140.083058	85.893	280.292514	12.852
RECTA	340.000	51.788391	0.000	420786.434	4575741.633	76.600735	303.846	16.810190	126.322784	91.683	266.532240	11.474
RECTA	360.000	51.788391	0.000	420800.968	4575755.373	75.100208	322.435	15.309663	114.665266	101.163	254.874721	10.449
RECTA	380.000	51.788391	0.000	420815.502	4575769.112	73.763922	341.185	13.973378	105.259593	113.411	245.469049	9.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	394.749	51.788391	0.000	420826.220	4575779.244	72.869183	355.098	13.078639	99.602464	123.744	239.811920	9.778
CLOT.	400.000	52.136924	0.000	420830.042	4575782.844	72.568923	360.071	12.778379	97.818333	127.639	238.027788	9.776
CLOT.	412.739	55.878684	0.000	420839.552	4575791.317	71.931632	372.269	12.141088	94.051120	137.675	234.260576	9.760
CLOT.	420.000	58.514248	0.000	420845.241	4575795.830	71.654173	379.343	11.863629	92.297089	143.814	232.506545	9.746
RECTA	430.729	59.968978	0.000	420853.869	4575802.206	71.321321	389.881	11.530776	90.099764	153.240	230.309220	9.706
RECTA	440.000	59.968978	0.000	420861.367	4575807.659	71.058934	399.009	11.268390	88.434186	161.547	228.643642	9.659
RECTA	452.062	59.968978	0.000	420871.121	4575814.753	70.735038	410.893	10.944494	86.509236	172.502	226.718692	9.600

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	233.139380	230.882	373.348836	136.260631	100.654	76.470086	15.156

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	233.139380	230.882	373.348836	136.260631	100.654	76.470086	15.156
CLOT.	4.374	166.093060	0.000	420589.868	4575574.402	232.101063	233.078	372.310519	137.463414	104.576	77.672870	15.099
CLOT.	20.000	162.255104	0.000	420598.070	4575561.105	228.507260	241.141	368.716716	140.947702	118.957	81.157157	14.846
CLOT.	40.000	146.142728	0.000	420610.965	4575545.887	223.864316	249.940	364.073772	142.990627	138.473	83.200083	14.432
CIRC.	47.505	136.851270	0.000	420616.915	4575541.325	222.043894	252.110	362.253350	142.921487	145.970	83.130943	14.256
CIRC.	60.000	119.909135	0.000	420628.156	4575535.953	218.931437	253.651	359.140893	141.785770	158.130	81.995226	13.924
CIRC.	80.000	92.790082	0.000	420647.906	4575533.977	213.980406	250.511	354.189862	137.975015	175.297	78.184471	13.310
CIRC.	100.000	65.671028	0.000	420666.708	4575540.338	209.491673	240.804	349.701129	132.608299	187.945	72.817755	12.669
CLOT.	112.931	48.136693	0.000	420676.756	4575548.413	207.088347	231.492	347.297803	128.662061	193.117	68.871517	12.431
CLOT.	120.000	39.337382	0.000	420681.225	4575553.883	206.006645	225.592	346.216101	126.417600	194.881	66.627056	12.409
CLOT.	140.000	22.950401	0.000	420690.305	4575571.640	203.742345	207.189	343.951801	119.973549	197.041	60.183005	12.762

RECTA	156.062	18.894902	0.000	420695.327	4575586.894	202.375116	191.710	342.584572	114.798189	197.763	55.007645	13.490
RECTA	160.000	18.894902	0.000	420696.479	4575590.659	202.032811	187.907	342.242267	113.535032	198.055	53.744488	13.714
RECTA	180.000	18.894902	0.000	420702.328	4575609.785	200.056561	168.686	340.266017	107.203990	200.729	47.413446	14.854
RECTA	200.000	18.894902	0.000	420708.177	4575628.910	197.575178	149.669	337.784633	101.097804	205.325	41.307260	15.808
CLOT.	201.906	18.894902	0.000	420708.735	4575630.733	197.305485	147.870	337.514941	100.531258	205.859	40.740714	15.877
CLOT.	220.000	20.747574	0.000	420714.194	4575647.983	194.299319	131.013	334.508775	95.328978	211.881	35.538434	16.341
CLOT.	240.000	27.106762	0.000	420721.422	4575666.623	189.318925	113.441	329.528381	90.125530	221.194	30.334986	16.451
CIRC.	250.397	32.201183	0.000	420726.076	4575675.917	185.602056	105.234	325.811512	87.755262	227.386	27.964718	16.342
CIRC.	260.000	37.471217	0.000	420731.070	4575684.115	181.268592	98.593	321.478048	85.825166	233.963	26.034622	16.140
CLOT.	261.842	38.482111	0.000	420732.105	4575685.639	180.332872	97.445	320.542328	85.484902	235.312	25.694357	16.090
CLOT.	280.000	46.581621	0.000	420743.416	4575699.829	169.445065	88.660	309.654521	82.612751	249.791	22.822207	15.406
CLOT.	300.000	51.184150	0.000	420757.389	4575714.131	155.022997	84.587	295.232453	80.229738	267.292	20.439194	14.251
RECTA	310.333	51.788391	0.000	420764.876	4575721.253	147.244645	84.660	287.454101	79.195511	276.634	19.404966	13.529
RECTA	320.000	51.788391	0.000	420771.901	4575727.894	140.083058	85.893	280.292514	78.295745	285.447	18.505201	12.852
RECTA	340.000	51.788391	0.000	420786.434	4575741.633	126.322784	91.683	266.532240	76.600735	303.846	16.810190	11.474
RECTA	360.000	51.788391	0.000	420800.968	4575755.373	114.665266	101.163	254.874721	75.100208	322.435	15.309663	10.449
RECTA	380.000	51.788391	0.000	420815.502	4575769.112	105.259593	113.411	245.469049	73.763922	341.185	13.973378	9.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis= 100.654

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	394.749	51.788391	0.000	420826.220	4575779.244	99.602464	123.744	239.811920	72.869183	355.098	13.078639	9.778
CLOT.	400.000	52.136924	0.000	420830.042	4575782.844	97.818333	127.639	238.027788	72.568923	360.071	12.778379	9.776
CLOT.	412.739	55.878684	0.000	420839.552	4575791.317	94.051120	137.675	234.260576	71.931632	372.269	12.141088	9.760
CLOT.	420.000	58.514248	0.000	420845.241	4575795.830	92.297089	143.814	232.506545	71.654173	379.343	11.863629	9.746
RECTA	430.729	59.968978	0.000	420853.869	4575802.206	90.099764	153.240	230.309220	71.321321	389.881	11.530776	9.706
RECTA	440.000	59.968978	0.000	420861.367	4575807.659	88.434186	161.547	228.643642	71.058934	399.009	11.268390	9.659
RECTA	452.062	59.968978	0.000	420871.121	4575814.753	86.509236	172.502	226.718692	70.735038	410.893	10.944494	9.600

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 452.062 Dis= -76.507

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	233.139380	230.882	174.058628	244.570415	404.936	385.489662	15.156

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 452.062 Dis= -76.507

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	233.139380	230.882	174.058628	244.570415	404.936	385.489662	15.156
CLOT.	4.374	166.093060	0.000	420589.868	4575574.402	232.101063	233.078	173.020311	243.923966	406.408	384.843213	15.099
CLOT.	20.000	162.255104	0.000	420598.070	4575561.105	228.507260	241.141	169.426508	241.636590	411.709	382.555838	14.846
CLOT.	40.000	146.142728	0.000	420610.965	4575545.887	223.864316	249.940	164.783564	238.655426	416.398	379.574673	14.432
CIRC.	47.505	136.851270	0.000	420616.915	4575541.325	222.043894	252.110	162.963141	237.511322	416.817	378.430570	14.256
CIRC.	60.000	119.909135	0.000	420628.156	4575535.953	218.931437	253.651	159.850684	235.620612	415.219	376.539860	13.924
CIRC.	80.000	92.790082	0.000	420647.906	4575533.977	213.980406	250.511	154.899654	232.836044	406.800	373.755291	13.310
CIRC.	100.000	65.671028	0.000	420666.708	4575540.338	209.491673	240.804	150.410921	230.690097	392.216	371.609345	12.669
CLOT.	112.931	48.136693	0.000	420676.756	4575548.413	207.088347	231.492	148.007594	229.826745	380.437	370.745993	12.431
CLOT.	120.000	39.337382	0.000	420681.225	4575553.883	206.006645	225.592	146.925893	229.568232	373.542	370.487479	12.409
CLOT.	140.000	22.950401	0.000	420690.305	4575571.640	203.742345	207.189	144.661593	229.538532	353.599	370.457780	12.762
RECTA	156.062	18.894902	0.000	420695.327	4575586.894	202.375116	191.710	143.294364	229.978822	337.718	370.898070	13.490
RECTA	160.000	18.894902	0.000	420696.479	4575590.659	202.032811	187.907	142.952059	230.108897	333.841	371.028145	13.714
RECTA	180.000	18.894902	0.000	420702.328	4575609.785	200.056561	168.686	140.975809	230.819107	314.170	371.738355	14.854
RECTA	200.000	18.894902	0.000	420708.177	4575628.910	197.575178	149.669	138.494425	231.624077	294.543	372.543325	15.808
CLOT.	201.906	18.894902	0.000	420708.735	4575630.733	197.305485	147.870	138.224733	231.706421	292.675	372.625669	15.877
CLOT.	220.000	20.747574	0.000	420714.194	4575647.983	194.299319	131.013	135.218566	232.504025	274.934	373.423273	16.341
CLOT.	240.000	27.106762	0.000	420721.422	4575666.623	189.318925	113.441	130.238172	233.203294	255.156	374.122541	16.451
CIRC.	250.397	32.201183	0.000	420726.076	4575675.917	185.602056	105.234	126.521304	233.358261	244.779	374.277509	16.342
CIRC.	260.000	37.471217	0.000	420731.070	4575684.115	181.268592	98.593	122.187840	233.297939	235.182	374.217186	16.140
CLOT.	261.842	38.482111	0.000	420732.105	4575685.639	180.332872	97.445	121.252119	233.261039	233.345	374.180287	16.090
CLOT.	280.000	46.581621	0.000	420743.416	4575699.829	169.445065	88.660	110.364313	232.456945	215.421	373.376193	15.406
CLOT.	300.000	51.184150	0.000	420757.389	4575714.131	155.022997	84.587	95.942245	230.763965	196.188	371.683213	14.251
RECTA	310.333	51.788391	0.000	420764.876	4575721.253	147.244645	84.660	88.163893	229.630223	186.432	370.549470	13.529
RECTA	320.000	51.788391	0.000	420771.901	4575727.894	140.083058	85.893	81.002306	228.446808	177.375	369.366056	12.852
RECTA	340.000	51.788391	0.000	420786.434	4575741.633	126.322784	91.683	67.242031	225.572715	158.867	366.491962	11.474
RECTA	360.000	51.788391	0.000	420800.968	4575755.373	114.665266	101.163	55.584513	221.950432	140.766	362.869680	10.449
RECTA	380.000	51.788391	0.000	420815.502	4575769.112	105.259593	113.411	46.178840	217.279895	123.255	358.199143	9.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 452.062 Dis= -76.507

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	394.749	51.788391	0.000	420826.220	4575779.244	99.602464	123.744	40.521711	212.907921	110.882	353.827168	9.778
CLOT.	400.000	52.136924	0.000	420830.042	4575782.844	97.818333	127.639	38.737580	211.104974	106.628	352.024221	9.776
CLOT.	412.739	55.878684	0.000	420839.552	4575791.317	94.051120	137.675	34.970367	205.915373	96.955	346.834620	9.760
CLOT.	420.000	58.514248	0.000	420845.241	4575795.830	92.297089	143.814	33.216337	202.287124	92.084	343.206372	9.746
RECTA	430.729	59.968978	0.000	420853.869	4575802.206	90.099764	153.240	31.019012	196.050298	85.813	336.969545	9.706
RECTA	440.000	59.968978	0.000	420861.367	4575807.659	88.434186	161.547	29.353434	189.909451	81.213	330.828698	9.659
RECTA	452.062	59.968978	0.000	420871.121	4575814.753	86.509236	172.502	27.428483	180.932878	76.507	321.852126	9.600

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 452.062 Dis= -76.507
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	244.570415	404.936	385.489662	233.139380	230.882	174.058628	15.156

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 452.062 Dis= -76.507
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	166.093060	0.000	420587.647	4575578.170	244.570415	404.936	385.489662	233.139380	230.882	174.058628	15.156
CLOT.	4.374	166.093060	0.000	420589.868	4575574.402	243.923966	406.408	384.843213	232.101063	233.078	173.020311	15.099
CLOT.	20.000	162.255104	0.000	420598.070	4575561.105	241.636590	411.709	382.555838	228.507260	241.141	169.426508	14.846
CLOT.	40.000	146.142728	0.000	420610.965	4575545.887	238.655426	416.398	379.574673	223.864316	249.940	164.783564	14.432
CIRC.	47.505	136.851270	0.000	420616.915	4575541.325	237.511322	416.817	378.430570	222.043894	252.110	162.963141	14.256
CIRC.	60.000	119.909135	0.000	420628.156	4575535.953	235.620612	415.219	376.539860	218.931437	253.651	159.850684	13.924
CIRC.	80.000	92.790082	0.000	420647.906	4575533.977	232.836044	406.800	373.755291	213.980406	250.511	154.899654	13.310
CIRC.	100.000	65.671028	0.000	420666.708	4575540.338	230.690097	392.216	371.609345	209.491673	240.804	150.410921	12.669
CLOT.	112.931	48.136693	0.000	420676.756	4575548.413	229.826745	380.437	370.745993	207.088347	231.492	148.007594	12.431
CLOT.	120.000	39.337382	0.000	420681.225	4575553.883	229.568232	373.542	370.487479	206.006645	225.592	146.925893	12.409
CLOT.	140.000	22.950401	0.000	420690.305	4575571.640	229.538532	353.599	370.457780	203.742345	207.189	144.661593	12.762
RECTA	156.062	18.894902	0.000	420695.327	4575586.894	229.978822	337.718	370.898070	202.375116	191.710	143.294364	13.490
RECTA	160.000	18.894902	0.000	420696.479	4575590.659	230.108897	333.841	371.028145	202.032811	187.907	142.952059	13.714

RECTA	180.000	18.894902	0.000	420702.328	4575609.785	230.819107	314.170	371.738355	200.056561	168.686	140.975809	14.854
RECTA	200.000	18.894902	0.000	420708.177	4575628.910	231.624077	294.543	372.543325	197.575178	149.669	138.494425	15.808
CLOT.	201.906	18.894902	0.000	420708.735	4575630.733	231.706421	292.675	372.625669	197.305485	147.870	138.224733	15.877
CLOT.	220.000	20.747574	0.000	420714.194	4575647.983	232.504025	274.934	373.423273	194.299319	131.013	135.218566	16.341
CLOT.	240.000	27.106762	0.000	420721.422	4575666.623	233.203294	255.156	374.122541	189.318925	113.441	130.238172	16.451
CIRC.	250.397	32.201183	0.000	420726.076	4575675.917	233.358261	244.779	374.277509	185.602056	105.234	126.521304	16.342
CIRC.	260.000	37.471217	0.000	420731.070	4575684.115	233.297939	235.182	374.217186	181.268592	98.593	122.187840	16.140
CLOT.	261.842	38.482111	0.000	420732.105	4575685.639	233.261039	233.345	374.180287	180.332872	97.445	121.252119	16.090
CLOT.	280.000	46.581621	0.000	420743.416	4575699.829	232.456945	215.421	373.376193	169.445065	88.660	110.364313	15.406
CLOT.	300.000	51.184150	0.000	420757.389	4575714.131	230.763965	196.188	371.683213	155.022997	84.587	95.942245	14.251
RECTA	310.333	51.788391	0.000	420764.876	4575721.253	229.630223	186.432	370.549470	147.244645	84.660	88.163893	13.529
RECTA	320.000	51.788391	0.000	420771.901	4575727.894	228.446808	177.375	369.366056	140.083058	85.893	81.002306	12.852
RECTA	340.000	51.788391	0.000	420786.434	4575741.633	225.572715	158.867	366.491962	126.322784	91.683	67.242031	11.474
RECTA	360.000	51.788391	0.000	420800.968	4575755.373	221.950432	140.766	362.869680	114.665266	101.163	55.584513	10.449
RECTA	380.000	51.788391	0.000	420815.502	4575769.112	217.279895	123.255	358.199143	105.259593	113.411	46.178840	9.891

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 76 : Ramal de conexion Centro Comercial a B20 C32

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 452.062 Dis= -76.507
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 304.547 Dis= -84.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	394.749	51.788391	0.000	420826.220	4575779.244	212.907921	110.882	353.827168	99.602464	123.744	40.521711	9.778
CLOT.	400.000	52.136924	0.000	420830.042	4575782.844	211.104974	106.628	352.024221	97.818333	127.639	38.737580	9.776
CLOT.	412.739	55.878684	0.000	420839.552	4575791.317	205.915373	96.955	346.834620	94.051120	137.675	34.970367	9.760
CLOT.	420.000	58.514248	0.000	420845.241	4575795.830	202.287124	92.084	343.206372	92.297089	143.814	33.216337	9.746
RECTA	430.729	59.968978	0.000	420853.869	4575802.206	196.050298	85.813	336.969545	90.099764	153.240	31.019012	9.706
RECTA	440.000	59.968978	0.000	420861.367	4575807.659	189.909451	81.213	330.828698	88.434186	161.547	29.353434	9.659
RECTA	452.062	59.968978	0.000	420871.121	4575814.753	180.932878	76.507	321.852126	86.509236	172.502	27.428483	9.600

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis=-126.198
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	144.226449	126.198	85.145696	216.091692	196.411	357.010940	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	141.551423	127.446	82.470671	214.992562	192.086	355.911809	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	134.739488	131.795	75.658736	211.827507	180.898	352.746754	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	126.162416	139.907	67.081663	206.834663	166.231	347.753911	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	118.554012	149.942	59.473259	201.023414	152.487	341.942661	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	111.832273	161.364	52.751520	194.291629	139.763	335.210876	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	111.368563	162.248	52.287811	193.756555	138.870	334.675803	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	105.859410	173.747	46.778658	186.522264	128.215	327.441511	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	100.519286	186.849	41.438534	177.572524	118.164	318.491771	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	98.875951	191.309	39.795199	174.336318	115.243	315.255566	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	95.716020	200.515	36.635267	167.356444	110.054	308.275691	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	91.393377	214.712	32.312624	155.937199	104.488	296.856446	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	87.521665	229.470	28.440912	143.679299	102.113	284.598547	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	84.077362	244.819	24.996610	131.291330	103.369	272.210578	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	83.658100	246.869	24.577348	129.709295	103.810	270.628543	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	81.052383	260.815	21.971631	119.631860	108.391	260.551107	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	78.504834	277.666	19.424081	109.486050	117.217	250.405298	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	76.707018	293.461	17.626265	102.183032	128.041	243.102279	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	76.511454	295.535	17.430702	101.375577	129.607	242.294825	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	76.363879	297.167	17.283127	100.763554	130.859	241.682802	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	75.090218	314.336	16.009466	95.383995	144.889	236.303242	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	74.074870	333.655	14.994118	91.018177	161.908	231.937424	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	73.394355	350.151	14.313603	88.159779	176.998	229.079027	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	73.278601	353.189	14.197848	87.691328	179.811	228.610575	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	72.578096	372.786	13.497344	84.994527	198.143	225.913775	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	72.517775	374.578	13.437023	84.772978	199.833	225.692226	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	71.949992	392.427	12.869239	82.761821	216.776	223.681069	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	71.398178	412.121	12.317426	80.912013	235.667	221.831261	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis=-126.198
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	70.929619	431.878	11.848866	79.391954	254.792	220.311202	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	70.550137	451.704	11.469385	78.162128	274.129	219.081376	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	70.317667	467.329	11.236914	77.379619	289.458	218.298866	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	70.264604	471.596	11.183851	77.192534	293.656	218.111781	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	70.072650	491.542	10.991897	76.453084	313.342	217.372331	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	69.964704	511.524	10.883951	75.906140	333.148	216.825387	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	69.931387	531.521	10.850635	75.520140	353.039	216.439387	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	69.964611	551.518	10.883859	75.269827	372.987	216.189074	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	70.057369	571.501	10.976616	75.134806	392.970	216.054053	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	70.203569	591.456	11.122817	75.098466	412.968	216.017713	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	70.397899	611.371	11.317147	75.147164	432.965	216.066412	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	70.635705	631.235	11.554952	75.269609	452.946	216.188857	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	70.912896	651.039	11.832143	75.456383	472.899	216.375631	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	71.225867	670.772	12.145114	75.699579	492.814	216.618826	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	71.571427	690.428	12.490674	75.992512	512.679	216.911759	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	71.946744	709.996	12.865992	76.329497	532.486	217.248745	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	72.349299	729.471	13.268547	76.705672	552.227	217.624920	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	72.776841	748.845	13.696088	77.116855	571.894	218.036102	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	73.227354	768.111	14.146602	77.559429	591.481	218.478677	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	73.699031	787.262	14.618278	78.030255	610.980	218.949503	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	74.190243	806.293	15.109491	78.526592	630.385	219.445840	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	74.699522	825.198	15.618769	79.046040	649.690	219.965287	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	74.722410	826.030	15.641657	79.069480	650.541	219.988728	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	75.224172	843.978	16.143420	79.584722	668.896	220.503969	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	75.755683	862.666	16.674930	80.131421	688.029	221.050669	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	76.284650	881.307	17.203897	80.674053	707.124	221.593300	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	76.802489	899.949	17.721737	81.201838	726.222	222.121086	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	76.920816	904.302	17.840064	81.321752	730.680	222.241000	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis=-126.198
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	77.301932	918.634	18.221180	81.705892	745.355	222.625139	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	77.781453	937.373	18.700700	82.184710	764.532	223.103957	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	78.242152	956.163	19.161400	82.640070	783.750	223.559317	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	78.685072	975.001	19.604319	83.073612	803.007	223.992860	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	79.008187	989.249	19.927434	83.387297	817.564	224.306544	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis=-126.198

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

RECTA	0.000	57.533392	0.000	420799.429	4575697.684	216.091692	196.411	357.010940	144.226449	126.198	85.145696		8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	214.992562	192.086	355.911809	141.551423	127.446	82.470671		8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	211.827507	180.898	352.746754	134.739488	131.795	75.658736		8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	206.834663	166.231	347.753911	126.162416	139.907	67.081663		8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	201.023414	152.487	341.942661	118.554012	149.942	59.473259		8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	194.291629	139.763	335.210876	111.832273	161.364	52.751520		8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	193.756555	138.870	334.675803	111.368563	162.248	52.287811		8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	186.522264	128.215	327.441511	105.859410	173.747	46.778658		8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	177.572524	118.164	318.491771	100.519286	186.849	41.438534		9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	174.336318	115.243	315.255566	98.875951	191.309	39.795199		9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	167.356444	110.054	308.275691	95.716020	200.515	36.635267		9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	155.937199	104.488	296.856446	91.393377	214.712	32.312624		9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	143.679299	102.113	284.598547	87.521665	229.470	28.440912		9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	131.291330	103.369	272.210578	84.077362	244.819	24.996610		9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	129.709295	103.810	270.628543	83.658100	246.869	24.577348		9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	119.631860	108.391	260.551107	81.052383	260.815	21.971631		8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	109.486050	117.217	250.405298	78.504834	277.666	19.424081		8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	102.183032	128.041	243.102279	76.707018	293.461	17.626265		8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	101.375577	129.607	242.294825	76.511454	295.535	17.430702		8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	100.763554	130.859	241.682802	76.363879	297.167	17.283127		8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	95.383995	144.889	236.303242	75.090218	314.336	16.009466		9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	91.018177	161.908	231.937424	74.074870	333.655	14.994118		9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	88.159779	176.998	229.079027	73.394355	350.151	14.313603		9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	87.691328	179.811	228.610575	73.278601	353.189	14.197848		9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	84.994527	198.143	225.913775	72.578096	372.786	13.497344		9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	84.772978	199.833	225.692226	72.517775	374.578	13.437023		9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	82.761821	216.776	223.681069	71.949992	392.427	12.869239		9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	80.912013	235.667	221.831261	71.398178	412.121	12.317426		9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis=-126.198

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	79.391954	254.792	220.311202	70.929619	431.878	11.848866	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	78.162128	274.129	219.081376	70.550137	451.704	11.469385	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	77.379619	289.458	218.298866	70.317667	467.329	11.236914	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	77.192534	293.656	218.111781	70.264604	471.596	11.183851	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	76.453084	313.342	217.372331	70.072650	491.542	10.991897	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	75.906140	333.148	216.825387	69.964704	511.524	10.883951	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	75.520140	353.039	216.439387	69.931387	531.521	10.850635	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	75.269827	372.987	216.189074	69.964611	551.518	10.883859	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	75.134806	392.970	216.054053	70.057369	571.501	10.976616	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	75.098466	412.968	216.017713	70.203569	591.456	11.122817	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	75.147164	432.965	216.066412	70.397899	611.371	11.317147	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	75.269609	452.946	216.188857	70.635705	631.235	11.554952	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	75.456383	472.899	216.375631	70.912896	651.039	11.832143	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	75.699579	492.814	216.618826	71.225867	670.772	12.145114	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	75.992512	512.679	216.911759	71.571427	690.428	12.490674	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	76.329497	532.486	217.248745	71.946744	709.996	12.865992	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	76.705672	552.227	217.624920	72.349299	729.471	13.268547	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	77.116855	571.894	218.036102	72.776841	748.845	13.696088	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	77.559429	591.481	218.478677	73.227354	768.111	14.146602	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	78.030255	610.980	218.949503	73.699031	787.262	14.618278	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	78.526592	630.385	219.445840	74.190243	806.293	15.109491	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	79.046040	649.690	219.965287	74.699522	825.198	15.618769	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	79.069480	650.541	219.988728	74.722410	826.030	15.641657	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	79.584722	668.896	220.503969	75.224172	843.978	16.143420	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	80.131421	688.029	221.050669	75.755683	862.666	16.674930	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	80.674053	707.124	221.593300	76.284650	881.307	17.203897	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	81.201838	726.222	222.121086	76.802489	899.949	17.721737	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	81.321752	730.680	222.241000	76.920816	904.302	17.840064	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis=-126.198

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	81.705892	745.355	222.625139	77.301932	918.634	18.221180	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	82.184710	764.532	223.103957	77.781453	937.373	18.700700	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	82.640070	783.750	223.559317	78.242152	956.163	19.161400	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	83.073612	803.007	223.992860	78.685072	975.001	19.604319	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	83.387297	817.564	224.306544	79.008187	989.249	19.927434	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 269.956 Dis=-260.838

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	216.091692	196.411	227.590639	202.089581	389.383	13.588528	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	214.992562	192.086	226.491509	201.398938	385.880	12.897885	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	211.827507	180.898	223.326454	199.505698	376.800	11.004645	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	206.834663	166.231	218.333610	196.764629	364.748	8.263576	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	201.023414	152.487	212.522361	193.880442	353.100	5.379389	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	194.291629	139.763	205.790576	190.866709	341.716	2.365656	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	193.756555	138.870	205.255502	190.640027	340.884	2.138974	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	186.522264	128.215	198.021211	187.733436	330.471	399.232383	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	177.572524	118.164	189.071471	184.474610	319.360	395.973557	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	174.336318	115.243	185.835265	183.367711	315.722	394.866658	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	167.356444	110.054	178.855391	181.077333	308.428	392.576280	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	155.937199	104.488	167.436146	177.513967	297.833	389.012914	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	143.679299	102.113	155.178246	173.749038	287.820	385.247986	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	131.291330	103.369	142.790277	169.752168	278.656	381.251115	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	129.709295	103.810	141.208242	169.211932	277.537	380.710879	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	119.631860	108.391	131.130807	165.499331	270.687	376.998278	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	109.486050	117.217	120.984997	160.966990	264.601	372.465937	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	102.183032	128.041	113.681979	156.741889	261.468	368.240836	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	101.375577	129.607	112.874524	156.193069	261.253	367.692016	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	100.763554	130.859	112.262501	155.762749	261.117	367.261696	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	95.383995	144.889	106.882942	151.319559	261.230	362.818506	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	91.018177	161.908	102.517124	146.519749	264.058	358.018696	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	88.159779	176.998	99.658726	142.592694	268.081	354.091641	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	87.691328	179.811	99.190275	141.885557	268.941	353.384504	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	84.994527	198.143	96.493474	137.445056	275.264	348.944003	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	84.772978	199.833	96.271925	137.050071	275.906	348.549018	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	82.761821	216.776	94.260768	133.224784	282.876	344.723731	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	80.912013	235.667	92.410960	129.253138	291.757	340.752085	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 269.956 Dis=-260.838

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	79.391954	254.792	90.890902	125.554786	301.897	337.053734	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	78.162128	274.129	89.661075	122.148413	313.267	333.647360	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	77.379619	289.458	88.878566	119.685095	323.038	331.184042	9.580

CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	77.192534	293.656	88.691481	119.046673	325.826	330.545620	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	76.453084	313.342	87.952031	116.252059	339.496	327.751006	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	75.906140	333.148	87.405087	113.751891	354.144	325.250838	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	75.520140	353.039	87.019087	111.527978	369.643	323.026925	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	75.269827	372.987	86.768774	109.559875	385.881	321.058822	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	75.134806	392.970	86.633753	107.826410	402.755	319.325357	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	75.098466	412.968	86.597413	106.306718	420.178	317.805665	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	75.147164	432.965	86.646111	104.980896	438.071	316.479843	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	75.269609	452.946	86.768556	103.830378	456.365	315.329325	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	75.456383	472.899	86.955330	102.838102	475.001	314.337049	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	75.699579	492.814	87.198526	101.988566	493.927	313.487513	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	75.992512	512.679	87.491459	101.267783	513.097	312.766730	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	76.329497	532.486	87.828444	100.663199	532.471	312.162146	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	76.705672	552.227	88.204619	100.163587	552.012	311.662534	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	77.116855	571.894	88.615802	99.758922	571.690	311.257869	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	77.559429	591.481	89.058376	99.440262	591.477	310.939209	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	78.030255	610.980	89.529202	99.199636	611.346	310.698583	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	78.526592	630.385	90.025539	99.029933	631.277	310.528880	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	79.046040	649.690	90.544987	98.924809	651.248	310.423756	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	79.069480	650.541	90.568427	98.921563	652.131	310.420510	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	79.584722	668.896	91.083669	98.876761	671.242	310.375708	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	80.131421	688.029	91.630368	98.870978	691.241	310.369925	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	80.674053	707.124	92.173000	98.892030	711.240	310.390977	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	81.201838	726.222	92.700785	98.926167	731.236	310.425114	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	81.321752	730.680	92.820699	98.934670	735.900	310.433617	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 269.956 Dis=-260.838

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	81.705892	745.355	93.204839	98.961953	751.232	310.460900	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	82.184710	764.532	93.683657	98.995906	771.228	310.494853	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	82.640070	783.750	94.139017	99.028143	791.224	310.527090	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	83.073612	803.007	94.572559	99.058790	811.220	310.557737	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	83.387297	817.564	94.886244	99.080940	826.313	310.579887	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	216.091692	196.411	174.848202	231.715445	506.987	390.471955	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	214.992562	192.086	173.749072	231.441612	501.962	390.198123	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	211.827507	180.898	170.584017	230.689155	488.667	389.445665	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	206.834663	166.231	165.591173	229.603094	470.416	388.359604	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	201.023414	152.487	159.779924	228.478516	452.151	387.235026	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	194.291629	139.763	153.048139	227.340208	433.787	386.096718	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	193.756555	138.870	152.513065	227.256612	432.428	386.013122	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	186.522264	128.215	145.278774	226.213408	415.253	384.969918	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	177.572524	118.164	136.329034	225.106655	396.540	383.863165	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	174.336318	115.243	133.092828	224.745717	390.316	383.502227	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	167.356444	110.054	126.112954	224.021381	377.660	382.777891	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	155.937199	104.488	114.693709	222.937841	358.667	381.694351	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	143.679299	102.113	102.435809	221.817094	339.635	380.573604	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	131.291330	103.369	90.047840	220.610696	320.638	379.367206	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	129.709295	103.810	88.465805	220.443842	318.164	379.200352	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	119.631860	108.391	78.388370	219.247707	301.779	378.004217	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	109.486050	117.217	68.242560	217.572881	283.320	376.329391	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	102.183032	128.041	60.939542	215.658965	267.638	374.415475	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	101.375577	129.607	60.132087	215.377280	265.707	374.133790	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	100.763554	130.859	59.520064	215.150386	264.209	373.906896	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	95.383995	144.889	54.140505	212.488293	249.481	371.244803	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	91.018177	161.908	49.774687	208.934649	234.734	367.691159	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	88.159779	176.998	46.916289	205.477922	223.290	364.234432	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	87.691328	179.811	46.447838	204.801964	221.273	363.558474	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	84.994527	198.143	43.751037	200.143381	208.921	358.899891	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	84.772978	199.833	43.529488	199.690853	207.853	358.447363	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	82.761821	216.776	41.518331	194.928964	197.837	353.685474	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	80.912013	235.667	39.668523	189.124002	188.328	347.880512	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	79.391954	254.792	38.148465	182.734379	180.754	341.490889	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	78.162128	274.129	36.918638	175.834791	175.484	334.591301	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	77.379619	289.458	36.136129	170.156099	173.176	328.912609	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	77.192534	293.656	35.949044	168.584168	172.847	327.340678	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	76.453084	313.342	35.209594	161.218669	173.048	319.975179	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	75.906140	333.148	34.662650	154.005871	176.088	312.762381	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	75.520140	353.039	34.276650	147.185746	181.822	305.942256	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	75.269827	372.987	34.026337	140.932242	190.001	299.688752	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	75.134806	392.970	33.891316	135.340290	200.321	294.096800	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	75.098466	412.968	33.854976	130.434997	212.462	289.191507	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	75.147164	432.965	33.903674	126.191861	226.124	284.948371	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	75.269609	452.946	34.026119	122.557652	241.037	281.314162	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	75.456383	472.899	34.212893	119.466637	256.974	278.223147	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	75.699579	492.814	34.456089	116.851098	273.744	275.607608	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	75.992512	512.679	34.749022	114.647169	291.193	273.403679	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	76.329497	532.486	35.086007	112.797514	309.192	271.554024	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	76.705672	552.227	35.462182	111.252126	327.639	270.008636	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	77.116855	571.894	35.873365	109.968118	346.448	268.724628	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	77.559429	591.481	36.315939	108.909055	365.551	267.665565	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	78.030255	610.980	36.786765	108.044133	384.891	266.800643	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	78.526592	630.385	37.283102	107.347347	404.418	266.103857	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	79.046040	649.690	37.802550	106.796734	424.094	265.553244	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	79.069480	650.541	37.825990	106.775483	424.966	265.531993	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	79.584722	668.896	38.341232	106.370967	443.882	265.127477	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	80.131421	688.029	38.887931	106.039952	463.742	264.796462	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	80.674053	707.124	39.430563	105.774905	483.645	264.531416	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	81.201838	726.222	39.958348	105.551409	503.569	264.307919	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	81.321752	730.680	40.078262	105.502962	508.219	264.259472	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	81.705892	745.355	40.462402	105.349884	523.503	264.106394	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	82.184710	764.532	40.941220	105.163179	543.442	263.919689	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	82.640070	783.750	41.396580	104.989690	563.385	263.746200	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	83.073612	803.007	41.830122	104.828065	583.332	263.584575	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	83.387297	817.564	42.143807	104.713213	598.390	263.469723	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT

GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	231.715445	506.987	390.471955	216.091692	196.411	174.848202	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	231.441612	501.962	390.198123	214.992562	192.086	173.749072	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	230.689155	488.667	389.445665	211.827507	180.898	170.584017	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	229.603094	470.416	388.359604	206.834663	166.231	165.591173	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	228.478516	452.151	387.235026	201.023414	152.487	159.779924	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	227.340208	433.787	386.096718	194.291629	139.763	153.048139	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	227.256612	432.428	386.013122	193.756555	138.870	152.513065	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	226.213408	415.253	384.969918	186.522264	128.215	145.278774	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	225.106655	396.540	383.863165	177.572524	118.164	136.329034	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	224.745717	390.316	383.502227	174.336318	115.243	133.092828	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	224.021381	377.660	382.777891	167.356444	110.054	126.112954	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	222.937841	358.667	381.694351	155.937199	104.488	114.693709	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	221.817094	339.635	380.573604	143.679299	102.113	102.435809	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	220.610696	320.638	379.367206	131.291330	103.369	90.047840	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	220.443842	318.164	379.200352	129.709295	103.810	88.465805	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	219.247707	301.779	378.004217	119.631860	108.391	78.388370	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	217.572881	283.320	376.329391	109.486050	117.217	68.242560	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	215.658965	267.638	374.415475	102.183032	128.041	60.939542	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	215.377280	265.707	374.133790	101.375577	129.607	60.132087	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	215.150386	264.209	373.906896	100.763554	130.859	59.520064	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	212.488293	249.481	371.244803	95.383995	144.889	54.140505	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	208.934649	234.734	367.691159	91.018177	161.908	49.774687	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	205.477922	223.290	364.234432	88.159779	176.998	46.916289	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	204.801964	221.273	363.558474	87.691328	179.811	46.447838	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	200.143381	208.921	358.899891	84.994527	198.143	43.751037	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	199.690853	207.853	358.447363	84.772978	199.833	43.529488	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	194.928964	197.837	353.685474	82.761821	216.776	41.518331	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	189.124002	188.328	347.880512	80.912013	235.667	39.668523	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	182.734379	180.754	341.490889	79.391954	254.792	38.148465	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	175.834791	175.484	334.591301	78.162128	274.129	36.918638	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	170.156099	173.176	328.912609	77.379619	289.458	36.136129	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	168.584168	172.847	327.340678	77.192534	293.656	35.949044	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	161.218669	173.048	319.975179	76.453084	313.342	35.209594	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	154.005871	176.088	312.762381	75.906140	333.148	34.662650	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	147.185746	181.822	305.942256	75.520140	353.039	34.276650	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	140.932242	190.001	299.688752	75.269827	372.987	34.026337	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	135.340290	200.321	294.096800	75.134806	392.970	33.891316	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	130.434997	212.462	289.191507	75.098466	412.968	33.854976	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	126.191861	226.124	284.948371	75.147164	432.965	33.903674	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	122.557652	241.037	281.314162	75.269609	452.946	34.026119	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	119.466637	256.974	278.223147	75.456383	472.899	34.212893	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	116.851098	273.744	275.607608	75.699579	492.814	34.456089	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	114.647169	291.193	273.403679	75.992512	512.679	34.749022	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	112.797514	309.192	271.554024	76.329497	532.486	35.086007	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	111.252126	327.639	270.008636	76.705672	552.227	35.462182	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	109.968118	346.448	268.724628	77.116855	571.894	35.873365	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	108.909055	365.551	267.665565	77.559429	591.481	36.315939	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	108.044133	384.891	266.800643	78.030255	610.980	36.786765	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	107.347347	404.418	266.103857	78.526592	630.385	37.283102	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	106.796734	424.094	265.553244	79.046040	649.690	37.802550	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	106.775483	424.966	265.531993	79.069480	650.541	37.825990	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	106.370967	443.882	265.127477	79.584722	668.896	38.341232	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	106.039952	463.742	264.796462	80.131421	688.029	38.887931	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	105.774905	483.645	264.531416	80.674053	707.124	39.430563	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	105.551409	503.569	264.307919	81.201838	726.222	39.958348	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	105.502962	508.219	264.259472	81.321752	730.680	40.078262	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 320.038 Azimut: 241.243490
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 183.292 Dis=-102.063

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	105.349884	523.503	264.106394	81.705892	745.355	40.462402	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	105.163179	543.442	263.919689	82.184710	764.532	40.941220	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	104.989690	563.385	263.746200	82.640070	783.750	41.396580	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	104.828065	583.332	263.584575	83.073612	803.007	41.830122	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	104.713213	598.390	263.469723	83.387297	817.564	42.143807	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	231.715445	506.987	156.916223	244.916524	701.916	370.117301	8.434

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	231.715445	506.987	156.916223	244.916524	701.916	370.117301	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	231.441612	501.962	156.642390	244.818042	696.551	370.018819	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	230.689155	488.667	155.889932	244.550408	682.316	369.751186	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	229.603094	470.416	154.803872	244.177862	662.707	369.378640	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	228.478516	452.151	153.679294	243.819756	643.047	369.020533	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	227.340208	433.787	152.540985	243.499810	623.303	368.700588	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	227.256612	432.428	152.457390	243.478476	621.845	368.679253	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	226.213408	415.253	151.414185	243.242041	603.459	368.442818	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	225.106655	396.540	150.307432	243.058050	583.534	368.258828	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	224.745717	390.316	149.946495	243.014806	576.935	368.215584	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	224.021381	377.660	149.222159	242.954687	563.557	368.155464	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	222.937841	358.667	148.138618	242.924772	543.560	368.125549	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	221.817094	339.635	147.017872	242.949979	523.561	368.150757	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	220.610696	320.638	145.811474	243.008859	503.567	368.209636	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	220.443842	318.164	145.644619	243.017768	500.956	368.218545	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	219.247707	301.779	144.448484	243.069150	483.572	368.269927	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	217.572881	283.320	142.773658	243.047990	463.575	368.248767	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	215.658965	267.638	140.859742	242.869058	445.889	368.069836	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	215.377280	265.707	140.578058	242.830569	443.641	368.031346	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	215.150386	264.209	140.351164	242.797630	441.886	367.998408	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	212.488293	249.481	137.689070	242.321217	423.951	367.521995	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	208.934649	234.734	134.135426	241.556716	404.581	366.757493	9.082

RECTA	316.896	60.128626	0.000	421022.493	4575920.584	205.477922	223.290	130.678699	240.771688	388.408	365.972466	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	204.801964	221.273	130.002742	240.618184	385.447	365.818962	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	200.143381	208.921	125.344158	239.569832	366.429	364.770610	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	199.690853	207.853	124.891631	239.468646	364.697	364.669424	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	194.928964	197.837	120.129741	238.404503	347.526	363.605280	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	189.124002	188.328	114.324780	237.086155	328.791	362.286933	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	182.734379	180.754	107.935157	235.566482	310.301	360.767260	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	175.834791	175.484	101.035569	233.787472	292.158	358.988249	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	170.156099	173.176	95.356876	232.163084	278.227	357.363861	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	168.584168	172.847	93.784945	231.680181	274.491	356.880958	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	161.218669	173.048	86.419446	229.171364	257.454	354.372142	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	154.005871	176.088	79.206649	226.193728	241.202	351.394506	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	147.185746	181.822	72.386524	222.676163	225.916	347.876940	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	140.932242	190.001	66.133020	218.546823	211.819	343.747601	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	135.340290	200.321	60.541068	213.742734	199.177	338.943512	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	130.434997	212.462	55.635775	208.225605	188.292	333.426382	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	126.191861	226.124	51.392638	202.003723	179.493	327.204501	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	122.557652	241.037	47.758429	195.155580	173.108	320.356357	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	119.466637	256.974	44.667415	187.844837	169.413	313.045614	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	116.851098	273.744	42.051876	180.313121	168.588	305.513898	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	114.647169	291.193	39.847946	172.844072	170.676	298.044850	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	112.797514	309.192	37.998292	165.709095	175.572	290.909873	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	111.252126	327.639	36.452904	159.118626	183.046	284.319404	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	109.968118	346.448	35.168895	153.198538	192.794	278.399316	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	108.909055	365.551	34.109832	147.994104	204.483	273.194882	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	108.044133	384.891	33.244910	143.490362	217.794	268.691140	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	107.347347	404.418	32.548124	139.635903	232.438	264.836681	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	106.796734	424.094	31.997511	136.362338	248.170	261.563116	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	106.775483	424.966	31.976260	136.230010	248.886	261.430788	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	106.370967	443.882	31.571745	133.593352	264.774	258.794129	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	106.039952	463.742	31.240730	131.239077	282.033	256.439855	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	105.774905	483.645	30.975683	129.214824	299.768	254.415601	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	105.551409	503.569	30.752186	127.448030	317.840	252.648807	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	105.502962	508.219	30.703740	127.066208	322.092	252.266986	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582
Distancia: 230.747 Azimut: 74.799222
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	105.349884	523.503	30.550662	125.879536	336.147	251.080314	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	105.163179	543.442	30.363956	124.473864	354.638	249.674642	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	104.989690	563.385	30.190467	123.208054	373.283	248.408831	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	104.828065	583.332	30.028842	122.063088	392.063	247.263865	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	104.713213	598.390	29.913990	121.269187	406.314	246.469965	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	244.916524	701.916	370.117301	231.715445	506.987	156.916223	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	244.818042	696.551	370.018819	231.441612	501.962	156.642390	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	244.550408	682.316	369.751186	230.689155	488.667	155.889932	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	244.177862	662.707	369.378640	229.603094	470.416	154.803872	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	243.819756	643.047	369.020533	228.478516	452.151	153.679294	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	243.499810	623.303	368.700588	227.340208	433.787	152.540985	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	243.478476	621.845	368.679253	227.256612	432.428	152.457390	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	243.242041	603.459	368.442818	226.213408	415.253	151.414185	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	243.058050	583.534	368.258828	225.106655	396.540	150.307432	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	243.014806	576.935	368.215584	224.745717	390.316	149.946495	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	242.954687	563.557	368.155464	224.021381	377.660	149.222159	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	242.924772	543.560	368.125549	222.937841	358.667	148.138618	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	242.949979	523.561	368.150757	221.817094	339.635	147.017872	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	243.008859	503.567	368.209636	220.610696	320.638	145.811474	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	243.017768	500.956	368.218545	220.443842	318.164	145.644619	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	243.069150	483.572	368.269927	219.247707	301.779	144.448484	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	243.047990	463.575	368.248767	217.572881	283.320	142.773658	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	242.869058	445.889	368.069836	215.658965	267.638	140.859742	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	242.830569	443.641	368.031346	215.377280	265.707	140.578058	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	242.797630	441.886	367.998408	215.150386	264.209	140.351164	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	242.321217	423.951	367.521995	212.488293	249.481	137.689070	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	241.556716	404.581	366.757493	208.934649	234.734	134.135426	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	240.771688	388.408	365.972466	205.477922	223.290	130.678699	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	240.618184	385.447	365.818962	204.801964	221.273	130.002742	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	239.569832	366.429	364.770610	200.143381	208.921	125.344158	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	239.468646	364.697	364.669424	199.690853	207.853	124.891631	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	238.404503	347.526	363.605280	194.928964	197.837	120.129741	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	237.086155	328.791	362.286933	189.124002	188.328	114.324780	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	235.566482	310.301	360.767260	182.734379	180.754	107.935157	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	233.787472	292.158	358.988249	175.834791	175.484	101.035569	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	232.163084	278.227	357.363861	170.156099	173.176	95.356876	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	231.680181	274.491	356.880958	168.584168	172.847	93.784945	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	229.171364	257.454	354.372142	161.218669	173.048	86.419446	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	226.193728	241.202	351.394506	154.005871	176.088	79.206649	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	222.676163	225.916	347.876940	147.185746	181.822	72.386524	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	218.546823	211.819	343.747601	140.932242	190.001	66.133020	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	213.742734	199.177	338.943512	135.340290	200.321	60.541068	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	208.225605	188.292	333.426382	130.434997	212.462	55.635775	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	202.003723	179.493	327.204501	126.191861	226.124	51.392638	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	195.155580	173.108	320.356357	122.557652	241.037	47.758429	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	187.844837	169.413	313.045614	119.466637	256.974	44.667415	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	180.313121	168.588	305.513898	116.851098	273.744	42.051876	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	172.844072	170.676	298.044850	114.647169	291.193	39.847946	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	165.709095	175.572	290.909873	112.797514	309.192	37.998292	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	159.118626	183.046	284.319404	111.252126	327.639	36.452904	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	153.198538	192.794	278.399316	109.968118	346.448	35.168895	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	147.994104	204.483	273.194882	108.909055	365.551	34.109832	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	143.490362	217.794	268.691140	108.044133	384.891	33.244910	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	139.635903	232.438	264.836681	107.347347	404.418	32.548124	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	136.362338	248.170	261.563116	106.796734	424.094	31.997511	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	136.230010	248.886	261.430788	106.775483	424.966	31.976260	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	133.593352	264.774	258.794129	106.370967	443.882	31.571745	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	131.239077	282.033	256.439855	106.039952	463.742	31.240730	13.576

CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	129.214824	299.768	254.415601	105.774905	483.645	30.975683	13.406	
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	127.448030	317.840	252.648807	105.551409	503.569	30.752186	12.910	
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	127.066208	322.092	252.266986	105.502962	508.219	30.703740	12.773	

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519
Distancia: 230.747 Azimut: 274.799222
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 448.593 Dis=-172.582

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	125.879536	336.147	251.080314	105.349884	523.503	30.550662	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	124.473864	354.638	249.674642	105.163179	543.442	30.363956	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	123.208054	373.283	248.408831	104.989690	563.385	30.190467	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	122.063088	392.063	247.263865	104.828065	583.332	30.028842	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	121.269187	406.314	246.469965	104.713213	598.390	29.913990	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 975.095 Dis=-352.390

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	244.916524	701.916	138.866664	276.218546	1273.429	370.168686	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	244.818042	696.551	138.768182	276.298027	1268.191	370.248167	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	244.550408	682.316	138.500548	276.512912	1254.302	370.463053	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	244.177862	662.707	138.128002	276.824330	1235.251	370.774470	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	243.819756	643.047	137.769896	277.164455	1216.354	371.114595	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	243.499810	623.303	137.449951	277.545383	1197.705	371.495523	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	243.478476	621.845	137.428616	277.575381	1196.345	371.525521	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	243.242041	603.459	137.192181	277.977952	1179.409	371.928092	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	243.058050	583.534	137.008190	278.465741	1161.535	372.415882	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	243.014806	576.935	136.964946	278.639346	1155.727	372.589486	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	242.954687	563.557	136.904827	279.009381	1144.127	372.959521	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	242.924772	543.560	136.874912	279.603232	1127.163	373.553372	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	242.949979	523.561	136.900119	280.237763	1110.561	374.187903	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	243.008859	503.567	136.958999	280.903417	1094.217	374.853557	9.022
CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	243.017768	500.956	136.967908	280.992136	1092.095	374.942276	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	243.069150	483.572	137.019290	281.587923	1077.980	375.538063	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	243.047990	463.575	136.998130	282.262506	1061.505	376.212646	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	242.869058	445.889	136.819198	282.822037	1046.384	376.772177	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	242.830569	443.641	136.780709	282.889240	1044.408	376.839380	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	242.797630	441.886	136.747770	282.941041	1042.854	376.891181	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	242.321217	423.951	136.271358	283.438360	1026.519	377.388500	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	241.556716	404.581	135.506856	283.930681	1008.134	377.880821	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	240.771688	388.408	134.721829	284.330867	992.452	378.281008	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	240.618184	385.447	134.568324	284.404974	989.570	378.355114	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	239.569832	366.429	133.519973	284.892959	971.035	378.843099	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	239.468646	364.697	133.418786	284.938454	969.345	378.888595	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	238.404503	347.526	132.354643	285.398991	952.553	379.349131	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	237.086155	328.791	131.036295	285.918265	934.093	379.868405	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 975.095 Dis=-352.390

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	235.566482	310.301	129.516622	286.443984	915.608	380.394124	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	233.787472	292.158	127.737612	286.968784	897.057	380.918924	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	232.163084	278.227	126.113224	287.375300	882.404	381.325440	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	231.680181	274.491	125.630321	287.484636	878.395	381.434776	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	229.171364	257.454	123.121505	287.985098	859.599	381.935238	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	226.193728	241.202	120.143868	288.468340	840.669	382.418480	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	222.676163	225.916	116.626303	288.933043	821.612	382.883184	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	218.546823	211.819	112.496963	289.377758	802.434	383.327898	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	213.742734	199.177	107.692874	289.800884	783.141	383.751024	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	208.225605	188.292	102.175745	290.200649	763.740	384.150790	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	202.003723	179.493	95.953863	290.575093	744.239	384.525233	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	195.155580	173.108	89.105720	290.922034	724.644	384.872174	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	187.844837	169.413	81.794977	291.239042	704.964	385.189182	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	180.313121	168.588	74.263261	291.523405	685.207	385.473545	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	172.844072	170.676	66.794212	291.772085	665.382	385.722225	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	165.709095	175.572	59.659235	291.981670	645.499	385.931810	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	159.118626	183.046	53.068766	292.148320	625.569	386.098460	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	153.198538	192.794	47.148679	292.267696	605.603	386.217837	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	147.994104	204.483	41.944244	292.334888	585.614	386.285029	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	143.490362	217.794	37.440502	292.344315	565.615	386.294455	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	139.635903	232.438	33.586044	292.289619	545.621	386.239759	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	136.362338	248.170	30.312478	292.163534	525.650	386.113674	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	136.230010	248.886	30.180151	292.156192	524.769	386.106332	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	133.593352	264.774	27.543492	291.960150	505.718	385.910290	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	131.239077	282.033	25.189217	291.684162	485.834	385.634302	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	129.214824	299.768	23.164964	291.344463	465.996	385.294603	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	127.448030	317.840	21.398170	290.951456	446.195	384.901597	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	127.066208	322.092	21.016348	290.853389	441.581	384.803529	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519
Distancia: 733.760 Azimut: 106.049860
BO : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 975.095 Dis=-352.390

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	125.879536	336.147	19.829677	290.515932	426.419	384.466072	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	124.473864	354.638	18.424004	290.038028	406.665	383.988168	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	123.208054	373.283	17.158194	289.511357	386.936	383.461497	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	122.063088	392.063	16.013228	288.928139	367.237	382.878279	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	121.269187	406.314	15.219327	288.444799	352.390	382.394939	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 975.095 Dis=-352.390
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	57.533392	0.000	420799.429	4575697.684	276.218546	1273.429	370.168686	244.916524	701.916	138.866664	8.434
CLOT.	5.473	57.533392	0.000	420803.728	4575701.070	276.298027	1268.191	370.248167	244.818042	696.551	138.768182	8.466
CLOT.	20.000	57.347307	0.000	420815.133	4575710.069	276.512912	1254.302	370.463053	244.550408	682.316	138.500548	8.553
CLOT.	40.000	56.482235	0.000	420830.736	4575722.580	276.824330	1235.251	370.774470	244.177862	662.707	138.128002	8.670
CLOT.	60.000	54.911768	0.000	420846.097	4575735.387	277.164455	1216.354	371.114595	243.819756	643.047	137.769896	8.779
CLOT.	80.000	52.635905	0.000	420861.063	4575748.652	277.545383	1197.705	371.495523	243.499810	623.303	137.449951	8.875
CIRC.	81.473	52.440434	0.000	420862.145	4575749.651	277.575381	1196.345	371.525521	243.478476	621.845	137.428616	8.881
CIRC.	100.000	49.957313	0.000	420875.490	4575762.502	277.977952	1179.409	371.928092	243.242041	603.459	137.192181	8.955
CIRC.	120.000	47.276808	0.000	420889.320	4575776.947	278.465741	1161.535	372.415882	243.058050	583.534	137.008190	9.031
CLOT.	126.612	46.390676	0.000	420893.757	4575781.849	278.639346	1155.727	372.589486	243.014806	576.935	136.964946	9.051
CLOT.	140.000	44.754354	0.000	420902.539	4575791.954	279.009381	1144.127	372.959521	242.954687	563.557	136.904827	9.080
CLOT.	160.000	42.898751	0.000	420915.231	4575807.410	279.603232	1127.163	373.553372	242.924772	543.560	136.874912	9.090
CLOT.	180.000	41.748544	0.000	420927.554	4575823.162	280.237763	1110.561	374.187903	242.949979	523.561	136.900119	9.062
CLOT.	200.000	41.303733	0.000	420939.680	4575839.067	280.903417	1094.217	374.853557	243.008859	503.567	136.958999	9.022

CLOT.	202.612	41.297718	0.000	420941.258	4575841.148	280.992136	1092.095	374.942276	243.017768	500.956	136.967908	9.017
CLOT.	220.000	42.170663	0.000	420951.826	4575854.956	281.587923	1077.980	375.538063	243.069150	483.572	137.019290	8.982
CLOT.	240.000	45.333646	0.000	420964.466	4575870.452	282.262506	1061.505	376.212646	243.047990	463.575	136.998130	8.951
CIRC.	257.737	50.071135	0.000	420976.514	4575883.464	282.822037	1046.384	376.772177	242.869058	445.889	136.819198	8.955
CIRC.	260.000	50.791571	0.000	420978.125	4575885.054	282.889240	1044.408	376.839380	242.830569	443.641	136.780709	8.958
CLOT.	261.771	51.355210	0.000	420979.398	4575886.285	282.941041	1042.854	376.891181	242.797630	441.886	136.747770	8.960
CLOT.	280.000	56.198345	0.000	420993.057	4575898.350	283.438360	1026.519	377.388500	242.321217	423.951	136.271358	9.004
CLOT.	300.000	59.304440	0.000	421008.847	4575910.621	283.930681	1008.134	377.880821	241.556716	404.581	135.506856	9.082
RECTA	316.896	60.128626	0.000	421022.493	4575920.584	284.330867	992.452	378.281008	240.771688	388.408	134.721829	9.150
RECTA	320.000	60.128626	0.000	421025.008	4575922.403	284.404974	989.570	378.355114	240.618184	385.447	134.568324	9.162
RECTA	340.000	60.128626	0.000	421041.212	4575934.126	284.892959	971.035	378.843099	239.569832	366.429	133.519973	9.242
CLOT.	341.827	60.128626	0.000	421042.692	4575935.197	284.938454	969.345	378.888595	239.468646	364.697	133.418786	9.249
CLOT.	360.000	60.284143	0.000	421057.425	4575945.837	285.398991	952.553	379.349131	238.404503	347.526	132.354643	9.322
CLOT.	380.000	60.814787	0.000	421073.701	4575957.461	285.918265	934.093	379.868405	237.086155	328.791	131.036295	9.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 975.095 Dis=-352.390
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	400.000	61.722130	0.000	421090.106	4575968.900	286.443984	915.608	380.394124	235.566482	310.301	129.516622	9.482
CLOT.	420.000	63.006170	0.000	421106.706	4575980.055	286.968784	897.057	380.918924	233.787472	292.158	127.737612	9.555
CIRC.	435.715	64.279426	0.000	421119.925	4575988.554	287.375300	882.404	381.325440	232.163084	278.227	126.113224	9.580
CIRC.	440.000	64.658264	0.000	421123.559	4575990.823	287.484636	878.395	381.434776	231.680181	274.491	125.630321	9.581
CIRC.	460.000	66.426653	0.000	421140.700	4576001.127	287.985098	859.599	381.935238	229.171364	257.454	123.121505	9.554
CIRC.	480.000	68.195041	0.000	421158.120	4576010.951	288.468340	840.669	382.418480	226.193728	241.202	120.143868	9.480
CIRC.	500.000	69.963429	0.000	421175.806	4576020.287	288.933043	821.612	382.883184	222.676163	225.916	116.626303	9.400
CIRC.	520.000	71.731817	0.000	421193.745	4576029.128	289.377758	802.434	383.327898	218.546823	211.819	112.496963	9.320
CIRC.	540.000	73.500206	0.000	421211.923	4576037.468	289.800884	783.141	383.751024	213.742734	199.177	107.692874	9.240
CIRC.	560.000	75.268594	0.000	421230.325	4576045.300	290.200649	763.740	384.150790	208.225605	188.292	102.175745	9.160
CIRC.	580.000	77.036982	0.000	421248.937	4576052.617	290.575093	744.239	384.525233	202.003723	179.493	95.953863	9.080
CIRC.	600.000	78.805370	0.000	421267.746	4576059.415	290.922034	724.644	384.872174	195.155580	173.108	89.105720	9.000
CIRC.	620.000	80.573759	0.000	421286.736	4576065.688	291.239042	704.964	385.189182	187.844837	169.413	81.794977	8.920
CIRC.	640.000	82.342147	0.000	421305.893	4576071.431	291.523405	685.207	385.473545	180.313121	168.588	74.263261	8.840
CIRC.	660.000	84.110535	0.000	421325.202	4576076.640	291.772085	665.382	385.722225	172.844072	170.676	66.794212	8.763
CIRC.	680.000	85.878923	0.000	421344.649	4576081.310	291.981670	645.499	385.931810	165.709095	175.572	59.659235	8.840
CIRC.	700.000	87.647312	0.000	421364.217	4576085.439	292.148320	625.569	386.098460	159.118626	183.046	53.068766	9.159
CIRC.	720.000	89.415700	0.000	421383.893	4576089.022	292.267696	605.603	386.217837	153.198538	192.794	47.148679	9.719
CIRC.	740.000	91.184088	0.000	421403.661	4576092.057	292.334888	585.614	386.285029	147.994104	204.483	41.944244	10.490
CIRC.	760.000	92.952477	0.000	421423.505	4576094.543	292.344315	565.615	386.294455	143.490362	217.794	37.440502	11.290
CIRC.	780.000	94.720865	0.000	421443.411	4576096.476	292.289619	545.621	386.239759	139.635903	232.438	33.586044	12.090
CIRC.	800.000	96.489253	0.000	421463.363	4576097.855	292.163534	525.650	386.113674	136.362338	248.170	30.312478	12.875
CLOT.	800.883	96.567355	0.000	421464.245	4576097.904	292.156192	524.769	386.106332	136.230010	248.886	30.180151	12.906
CLOT.	820.000	98.064803	0.000	421483.344	4576098.700	291.960150	505.718	385.910290	133.593352	264.774	27.543492	13.400
CLOT.	840.000	99.218623	0.000	421503.340	4576099.115	291.684162	485.834	385.634302	131.239077	282.033	25.189217	13.576
CLOT.	860.000	99.950301	0.000	421523.339	4576099.235	291.344463	465.996	385.294603	129.214824	299.768	23.164964	13.406
CLOT.	880.000	100.259837	0.000	421543.339	4576099.191	290.951456	446.195	384.901597	127.448030	317.840	21.398170	12.910
RECTA	884.665	100.271321	0.000	421548.004	4576099.171	290.853389	441.581	384.803529	127.066208	322.092	21.016348	12.773

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 77 : Ramal B20 C32 - C31C

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR512 X: 421985.035 Y: 4576162.397 Z: 7.721 PK: 975.095 Dis=-352.390
Distancia: 733.760 Azimut: 306.049860
BO : BR511 X: 421254.586 Y: 4576232.022 Z: 8.210 PK: 635.647 Dis=-168.519

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	900.000	100.271321	0.000	421563.339	4576099.106	290.515932	426.419	384.466072	125.879536	336.147	19.829677	12.346
RECTA	920.000	100.271321	0.000	421583.339	4576099.021	290.038028	406.665	383.988168	124.473864	354.638	18.424004	11.743
RECTA	940.000	100.271321	0.000	421603.339	4576098.935	289.511357	386.936	383.461497	123.208054	373.283	17.158194	11.164
RECTA	960.000	100.271321	0.000	421623.338	4576098.850	288.928139	367.237	382.878279	122.063088	392.063	16.013228	10.590
RECTA	975.095	100.271321	0.000	421638.433	4576098.786	288.444799	352.390	382.394939	121.269187	406.314	15.219327	10.157

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 78 : Ramal de conexion Centro Comercial a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis=-184.192
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 195.531 Dis=-134.451

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	82.448973	0.000	420656.633	4575531.023	137.125322	184.192	77.334778	211.662551	251.660	351.872007	13.396
CLOT.	17.019	61.431675	0.000	420671.955	4575538.250	132.361070	193.544	72.570526	208.045915	242.152	348.255371	12.918
CLOT.	20.000	57.861031	0.000	420674.356	4575540.016	131.474849	194.801	71.684304	207.473319	240.107	347.682775	12.857
CLOT.	40.000	39.656732	0.000	420687.983	4575554.562	125.356665	200.820	65.566121	204.115463	224.377	344.324919	12.740
CLOT.	60.000	31.458830	0.000	420698.352	4575571.648	119.198815	204.707	59.408271	201.269972	206.864	341.479427	12.899
CLOT.	66.385	30.948849	0.000	420701.350	4575577.286	117.259615	205.991	57.469070	200.356929	201.188	340.566385	12.884
CLOT.	80.000	31.682428	0.000	420707.757	4575589.298	113.215933	209.370	53.425388	198.223856	189.246	338.433312	12.725
CLOT.	100.000	35.420733	0.000	420717.743	4575606.624	107.616003	216.407	47.825459	194.359661	172.524	334.569117	12.177
CLOT.	120.000	42.325124	0.000	420729.137	4575623.049	102.644025	226.449	42.853481	189.185481	157.692	329.394937	11.256
CIRC.	126.090	45.056137	0.000	420732.994	4575627.761	101.297403	230.159	41.506859	187.281655	153.769	327.491111	10.903
CLOT.	138.176	50.768026	0.000	420741.253	4575636.580	98.897328	238.406	39.106783	183.017558	147.094	323.227013	10.214
CLOT.	140.000	51.602363	0.000	420742.566	4575637.845	98.567468	239.744	38.776924	182.320797	146.228	322.530253	10.121
CLOT.	160.000	57.150842	0.000	420757.754	4575650.848	95.412860	255.535	35.622316	173.979469	139.080	314.188925	9.331
RECTA	166.809	57.533392	0.000	420763.095	4575655.071	94.479917	261.193	34.689373	170.931889	137.485	311.141345	9.158
RECTA	180.000	57.533392	0.000	420773.459	4575663.232	92.788780	272.321	32.998236	164.854730	135.345	305.064185	8.950
RECTA	200.000	57.533392	0.000	420789.172	4575675.605	90.475447	289.523	30.684903	155.418059	134.525	295.627514	8.721
RECTA	220.000	57.533392	0.000	420804.885	4575687.979	88.423954	307.064	28.633410	146.072813	136.660	286.282268	8.621
RECTA	221.864	57.533392	0.000	420806.349	4575689.132	88.244660	308.714	28.454115	145.220589	137.006	285.430044	8.627

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 78 : Ramal de conexion Centro Comercial a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 195.531 Dis=-134.451
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis=-184.192

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	82.448973	0.000	420656.633	4575531.023	211.662551	251.660	351.872007	137.125322	184.192	77.334778	13.396

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 78 : Ramal de conexion Centro Comercial a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 195.531 Dis=-134.451
Distancia: 247.305 Azimut: 259.790544
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 0.000 Dis=-184.192

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	82.448973	0.000	420656.633	4575531.023	211.662551	251.660	351.872007	137.125322	184.192	77.334778	13.396
CLOT.	17.019	61.431675	0.000	420671.955	4575538.250	208.045915	242.152	348.255371	132.361070	193.544	72.570526	12.918
CLOT.	20.000	57.861031	0.000	420674.356	4575540.016	207.473319	240.107	347.682775	131.474849	194.801	71.684304	12.857
CLOT.	40.000	39.656732	0.000	420687.983	4575554.562	204.115463	224.377	344.324919	125.356665	200.820	65.566121	12.740
CLOT.	60.000	31.458830	0.000	420698.352	4575571.648	201.269972	206.864	341.479427	119.198815	204.707	59.408271	12.899
CLOT.	66.385	30.948849	0.000	420701.350	4575577.286	200.356929	201.188	340.566385	117.259615	205.991	57.469070	12.884
CLOT.	80.000	31.682428	0.000	420707.757	4575589.298	198.223856	189.246	338.433312	113.215933	209.370	53.425388	12.725
CLOT.	100.000	35.420733	0.000	420717.743	4575606.624	194.359661	172.524	334.569117	107.616003	216.407	47.825459	12.177
CLOT.	120.000	42.325124	0.000	420729.137	4575623.049	189.185481	157.692	329.394937	102.644025	226.449	42.853481	11.256
CIRC.	126.090	45.056137	0.000	420732.994	4575627.761	187.281655	153.769	327.491111	101.297403	230.159	41.506859	10.903
CLOT.	138.176	50.768026	0.000	420741.253	4575636.580	183.017558	147.094	323.227013	98.897328	238.406	39.106783	10.214
CLOT.	140.000	51.602363	0.000	420742.566	4575637.845	182.320797	146.228	322.530253	98.567468	239.744	38.776924	10.121
CLOT.	160.000	57.150842	0.000	420757.754	4575650.848	173.979469	139.080	314.188925	95.412860	255.535	35.622316	9.331
RECTA	166.809	57.533392	0.000	420763.095	4575655.071	170.931889	137.485	311.141345	94.479917	261.193	34.689373	9.158
RECTA	180.000	57.533392	0.000	420773.459	4575663.232	164.854730	135.345	305.064185	92.788780	272.321	32.998236	8.950
RECTA	200.000	57.533392	0.000	420789.172	4575675.605	155.418059	134.525	295.627514	90.475447	289.523	30.684903	8.721
RECTA	220.000	57.533392	0.000	420804.885	4575687.979	146.072813	136.660	286.282268	88.423954	307.064	28.633410	8.621

RECTA	221.864	57.533392	0.000	420806.349	4575689.132	145.220589	137.006	285.430044	88.244660	308.714	28.454115	8.627	

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 78 : Ramal de conexion Centro Comercial a B25

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 195.531 Dis=-134.451
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 221.864 Dis=-203.153

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	82.448973	0.000	420656.633	4575531.023	211.662551	251.660	152.581799	231.414197	405.167	372.333444	13.396
CLOT.	17.019	61.431675	0.000	420671.955	4575538.250	208.045915	242.152	148.965163	229.777110	391.673	370.696358	12.918
CLOT.	20.000	57.861031	0.000	420674.356	4575540.016	207.473319	240.107	148.392567	229.556660	389.016	370.475908	12.857
CLOT.	40.000	39.656732	0.000	420687.983	4575554.562	204.115463	224.377	145.034710	228.580739	369.952	369.499986	12.740
CLOT.	60.000	31.458830	0.000	420698.352	4575571.648	201.269972	206.864	142.189219	228.230569	350.064	369.149816	12.899
CLOT.	66.385	30.948849	0.000	420701.350	4575577.286	200.356929	201.188	141.276176	228.176926	343.686	369.096174	12.884
CLOT.	80.000	31.682428	0.000	420707.757	4575589.298	198.223856	189.246	139.143104	228.052558	330.087	368.971805	12.725
CLOT.	100.000	35.420733	0.000	420717.743	4575606.624	194.359661	172.524	135.278909	227.715409	310.162	368.634657	12.177
CLOT.	120.000	42.325124	0.000	420729.137	4575623.049	189.185481	157.692	130.104728	226.969380	290.484	367.888628	11.256
CIRC.	126.090	45.056137	0.000	420732.994	4575627.761	187.281655	153.769	128.200903	226.616234	284.607	367.535482	10.903
CLOT.	138.176	50.768026	0.000	420741.253	4575636.580	183.017558	147.094	123.936805	225.691901	273.223	366.611148	10.214
CLOT.	140.000	51.602363	0.000	420742.566	4575637.845	182.320797	146.228	123.240045	225.525209	271.545	366.444456	10.121
CLOT.	160.000	57.150842	0.000	420757.754	4575650.848	173.979469	139.080	114.898717	223.290070	253.802	364.209317	9.331
RECTA	166.809	57.533392	0.000	420763.095	4575655.071	170.931889	137.485	111.851137	222.397530	247.972	363.316777	9.158
RECTA	180.000	57.533392	0.000	420773.459	4575663.232	164.854730	135.345	105.773977	220.538126	236.841	361.457373	8.950
RECTA	200.000	57.533392	0.000	420789.172	4575675.605	155.418059	134.525	96.337306	217.365456	220.397	358.284704	8.721
RECTA	220.000	57.533392	0.000	420804.885	4575687.979	146.072813	136.660	86.992060	213.692117	204.589	354.611364	8.621
RECTA	221.864	57.533392	0.000	420806.349	4575689.132	145.220589	137.006	86.139836	213.320880	203.153	354.240127	8.627

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 108 : B20 C-32 Viladecans al Prat

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis= -62.855
Distancia: 182.486 Azimut: 59.080752
BO : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 181.672 Dis= -65.396

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.968978	0.000	420740.089	4575728.111	159.162263	62.855	100.081510	237.972086	193.083	378.891333	9.928
RECTA	20.000	59.968978	0.000	420756.264	4575739.875	139.625707	66.201	80.544954	235.498738	174.397	376.417985	9.957
RECTA	40.000	59.968978	0.000	420772.438	4575751.638	123.315612	74.930	64.234859	232.437752	156.037	373.356999	9.964
RECTA	60.000	59.968978	0.000	420788.613	4575763.402	111.026080	87.443	51.945328	228.572266	138.133	369.491514	9.943
RECTA	80.000	59.968978	0.000	420804.788	4575775.165	102.056267	102.363	42.975515	223.580795	120.887	364.500043	9.913
RECTA	100.000	59.968978	0.000	420820.962	4575786.929	95.463252	118.786	36.382500	216.985844	104.627	357.905092	9.892
RECTA	120.000	59.968978	0.000	420837.137	4575798.692	90.510903	136.169	31.430150	208.103669	89.889	349.022916	9.850
RECTA	140.000	59.968978	0.000	420853.311	4575810.456	86.697189	154.187	27.616437	196.086951	77.544	337.006198	9.780
RECTA	160.000	59.968978	0.000	420869.486	4575822.220	83.689882	172.643	24.609130	180.340943	68.893	321.260190	9.685
RECTA	180.000	59.968978	0.000	420885.661	4575833.983	81.267698	191.409	22.186946	161.595927	65.417	302.515175	9.628
RECTA	200.000	59.968978	0.000	420901.835	4575845.747	79.280366	210.403	20.199614	142.572857	67.916	283.492105	9.554
RECTA	220.000	59.968978	0.000	420918.010	4575857.510	77.623446	229.567	18.542694	126.219528	75.800	267.138775	9.459
RECTA	240.000	59.968978	0.000	420934.184	4575869.274	76.222641	248.863	17.141889	113.601551	87.629	254.520798	9.401
RECTA	260.000	59.968978	0.000	420950.359	4575881.038	75.023920	268.263	15.943168	104.255932	102.039	245.175180	9.347
RECTA	280.000	59.968978	0.000	420966.534	4575892.801	73.987189	287.744	14.906437	97.332204	118.089	238.251452	9.313
RECTA	300.000	59.968978	0.000	420982.708	4575904.565	73.082144	307.292	14.001392	92.111014	135.197	233.030261	9.332
RECTA	320.000	59.968978	0.000	420998.883	4575916.328	72.285499	326.895	13.204747	88.083198	153.008	229.002446	9.357
RECTA	335.760	59.968978	0.000	421011.629	4575925.598	71.722068	342.375	12.641315	85.520708	167.391	226.439955	9.360

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 108 : B20 C-32 Viladecans al Prat

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 181.672 Dis= -65.396
Distancia: 182.486 Azimut: 259.080752
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 0.000 Dis= -62.855

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.968978	0.000	420740.089	4575728.111	237.972086	193.083	378.891333	159.162263	62.855	100.081510	9.928
RECTA	20.000	59.968978	0.000	420756.264	4575739.875	235.498738	174.397	376.417985	139.625707	66.201	80.544954	9.957
RECTA	40.000	59.968978	0.000	420772.438	4575751.638	232.437752	156.037	373.356999	123.315612	74.930	64.234859	9.964
RECTA	60.000	59.968978	0.000	420788.613	4575763.402	228.572266	138.133	369.491514	111.026080	87.443	51.945328	9.943
RECTA	80.000	59.968978	0.000	420804.788	4575775.165	223.580795	120.887	364.500043	102.056267	102.363	42.975515	9.913
RECTA	100.000	59.968978	0.000	420820.962	4575786.929	216.985844	104.627	357.905092	95.463252	118.786	36.382500	9.892
RECTA	120.000	59.968978	0.000	420837.137	4575798.692	208.103669	89.889	349.022916	90.510903	136.169	31.430150	9.850
RECTA	140.000	59.968978	0.000	420853.311	4575810.456	196.086951	77.544	337.006198	86.697189	154.187	27.616437	9.780
RECTA	160.000	59.968978	0.000	420869.486	4575822.220	180.340943	68.893	321.260190	83.689882	172.643	24.609130	9.685
RECTA	180.000	59.968978	0.000	420885.661	4575833.983	161.595927	65.417	302.515175	81.267698	191.409	22.186946	9.628
RECTA	200.000	59.968978	0.000	420901.835	4575845.747	142.572857	67.916	283.492105	79.280366	210.403	20.199614	9.554
RECTA	220.000	59.968978	0.000	420918.010	4575857.510	126.219528	75.800	267.138775	77.623446	229.567	18.542694	9.459
RECTA	240.000	59.968978	0.000	420934.184	4575869.274	113.601551	87.629	254.520798	76.222641	248.863	17.141889	9.401
RECTA	260.000	59.968978	0.000	420950.359	4575881.038	104.255932	102.039	245.175180	75.023920	268.263	15.943168	9.347
RECTA	280.000	59.968978	0.000	420966.534	4575892.801	97.332204	118.089	238.251452	73.987189	287.744	14.906437	9.313
RECTA	300.000	59.968978	0.000	420982.708	4575904.565	92.111014	135.197	233.030261	73.082144	307.292	14.001392	9.332
RECTA	320.000	59.968978	0.000	420998.883	4575916.328	88.083198	153.008	229.002446	72.285499	326.895	13.204747	9.357
RECTA	335.760	59.968978	0.000	421011.629	4575925.598	85.520708	167.391	226.439955	71.722068	342.375	12.641315	9.360

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 108 : B20 C-32 Viladecans al Prat

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 181.672 Dis= -65.396
Distancia: 202.294 Azimut: 388.501053
BO : BR517 X: 420812.207 Y: 4576086.857 Z: 10.624 PK: 269.331 Dis=-247.711

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.968978	0.000	420740.089	4575728.111	237.972086	193.083	249.471033	212.629492	365.923	24.128439	9.928
RECTA	20.000	59.968978	0.000	420756.264	4575739.875	235.498738	174.397	246.997685	210.176522	351.463	21.675469	9.957
RECTA	40.000	59.968978	0.000	420772.438	4575751.638	232.437752	156.037	243.936699	207.517404	337.570	19.016351	9.964
RECTA	60.000	59.968978	0.000	420788.613	4575763.402	228.572266	138.133	240.071213	204.635543	324.315	16.134490	9.943
RECTA	80.000	59.968978	0.000	420804.788	4575775.165	223.580795	120.887	235.079742	201.515118	311.780	13.014065	9.913
RECTA	100.000	59.968978	0.000	420820.962	4575786.929	216.985844	104.627	228.484791	198.142187	300.056	9.641134	9.892
RECTA	120.000	59.968978	0.000	420837.137	4575798.692	208.103669	89.889	219.602616	194.506144	289.241	6.005091	9.850
RECTA	140.000	59.968978	0.000	420853.311	4575810.456	196.086951	77.544	207.585898	190.601532	279.441	2.100479	9.780
RECTA	160.000	59.968978	0.000	420869.486	4575822.220	180.340943	68.893	191.839890	186.430120	270.765	397.929067	9.685
RECTA	180.000	59.968978	0.000	420885.661	4575833.983	161.595927	65.417	173.094874	182.003032	263.326	393.501979	9.628
RECTA	200.000	59.968978	0.000	420901.835	4575845.747	142.572857	67.916	154.071804	177.342590	257.230	388.841537	9.554
RECTA	220.000	59.968978	0.000	420918.010	4575857.510	126.219528	75.800	137.718475	172.483393	252.575	383.982340	9.459
RECTA	240.000	59.968978	0.000	420934.184	4575869.274	113.601551	87.629	125.100498	167.472155	249.441	378.971102	9.401
RECTA	260.000	59.968978	0.000	420950.359	4575881.038	104.255932	102.039	115.754879	162.365929	247.886	373.864876	9.347
RECTA	280.000	59.968978	0.000	420966.534	4575892.801	97.332204	118.089	108.831151	157.228728	247.940	368.727675	9.313
RECTA	300.000	59.968978	0.000	420982.708	4575904.565	92.111014	135.197	103.609961	152.126913	249.602	363.625860	9.332
RECTA	320.000	59.968978	0.000	420998.883	4575916.328	88.083198	153.008	99.582145	147.124165	252.840	358.623112	9.357
RECTA	335.760	59.968978	0.000	421011.629	4575925.598	85.520708	167.391	97.019655	143.289047	256.463	354.787994	9.360

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 108 : B20 C-32 Viladecans al Prat

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR518 X: 420848.548 Y: 4575887.854 Z: 8.896 PK: 181.672 Dis= -65.396
Distancia: 320.038 Azimut: 41.243490
BO : BR516 X: 421041.683 Y: 4576143.047 Z: 9.086 PK: 335.760 Dis=-219.516

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	59.968978	0.000	420740.089	4575728.111	237.972086	193.083	196.728596	240.012572	512.963	398.769082	9.928
RECTA	20.000	59.968978	0.000	420756.264	4575739.875	235.498738	174.397	194.255248	239.217729	493.976	397.974239	9.957
RECTA	40.000	59.968978	0.000	420772.438	4575751.638	232.437752	156.037	191.194262	238.359487	475.072	397.115997	9.964
RECTA	60.000	59.968978	0.000	420788.613	4575763.402	228.572266	138.133	187.328776	237.430299	456.262	396.186809	9.943
RECTA	80.000	59.968978	0.000	420804.788	4575775.165	223.580795	120.887	182.337305	236.421439	437.557	395.177949	9.913
RECTA	100.000	59.968978	0.000	420820.962	4575786.929	216.985844	104.627	175.742354	235.322779	418.972	394.079289	9.892
RECTA	120.000	59.968978	0.000	420837.137	4575798.692	208.103669	89.889	166.860179	234.122523	400.524	392.879033	9.850
RECTA	140.000	59.968978	0.000	420853.311	4575810.456	196.086951	77.544	154.843461	232.806878	382.231	391.563388	9.780
RECTA	160.000	59.968978	0.000	420869.486	4575822.220	180.340943	68.893	139.097453	231.359669	364.118	390.116179	9.685
RECTA	180.000	59.968978	0.000	420885.661	4575833.983	161.595927	65.417	120.352437	229.761871	346.213	388.518381	9.628

RECTA	200.000	59.968978	0.000	420901.835	4575845.747	142.572857	67.916	101.329367	227.991054	328.550	386.747564	9.554
RECTA	220.000	59.968978	0.000	420918.010	4575857.510	126.219528	75.800	84.976038	226.020746	311.169	384.777257	9.459
RECTA	240.000	59.968978	0.000	420934.184	4575869.274	113.601551	87.629	72.358061	223.819722	294.122	382.576232	9.401
RECTA	260.000	59.968978	0.000	420950.359	4575881.038	104.255932	102.039	63.012442	221.351244	277.469	380.107754	9.347
RECTA	280.000	59.968978	0.000	420966.534	4575892.801	97.332204	118.089	56.088714	218.572367	261.286	377.328877	9.313
RECTA	300.000	59.968978	0.000	420982.708	4575904.565	92.111014	135.197	50.867524	215.433474	245.666	374.189984	9.332
RECTA	320.000	59.968978	0.000	420998.883	4575916.328	88.083198	153.008	46.839708	211.878378	230.723	370.634888	9.357
RECTA	335.760	59.968978	0.000	421011.629	4575925.598	85.520708	167.391	44.277218	208.743565	219.516	367.500075	9.360

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 269 : Camino Parque Agrario

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 190.633 Dis=-189.202
Distancia: 223.592 Azimut: 34.042880
BO : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 217.028 Dis= -83.769

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	361.340001	0.000	420666.960	4575403.932	108.229451	280.364	74.186571	160.357281	281.323	326.314401	6.652

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 269 : Camino Parque Agrario

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 217.028 Dis= -83.769
Distancia: 223.592 Azimut: 234.042880
BO : BR521 X: 420388.936 Y: 4575440.073 Z: 6.741 PK: 190.633 Dis=-189.202

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	361.340001	0.000	420666.960	4575403.932	160.357281	281.323	326.314401	108.229451	280.364	74.186571	6.652
RECTA	20.000	361.340001	0.000	420655.548	4575420.356	160.282073	261.325	326.239193	104.699496	267.340	70.656616	6.712
RECTA	40.000	361.340001	0.000	420644.135	4575436.780	160.194402	241.328	326.151522	100.821377	255.221	66.778497	6.772
RECTA	60.000	361.340001	0.000	420632.723	4575453.204	160.090889	221.332	326.048008	96.574209	244.140	62.531329	6.832
RECTA	80.000	361.340001	0.000	420621.310	4575469.629	159.966814	201.336	325.923934	91.946108	234.246	57.903228	6.892
RECTA	100.000	361.340001	0.000	420609.898	4575486.053	159.815377	181.341	325.772497	86.939016	225.695	52.896136	6.994
CIRC.	117.826	361.340001	0.000	420599.726	4575500.692	159.649190	163.521	325.606309	82.173245	219.333	48.130364	7.160
CIRC.	120.000	361.735455	0.000	420598.491	4575502.481	159.623746	161.348	325.580866	81.573186	218.650	47.530306	7.185
RECTA	136.651	364.764105	0.000	420589.404	4575516.432	159.206836	144.728	325.163956	76.831099	214.519	42.788218	7.385
RECTA	140.000	364.764105	0.000	420587.644	4575519.281	159.075369	141.392	325.032489	75.852189	213.913	41.809308	7.425
CIRC.	149.847	364.764105	0.000	420582.468	4575527.658	158.650247	131.588	324.607367	72.944909	212.428	38.902028	7.543
CIRC.	160.000	332.445007	0.000	420575.211	4575534.603	159.476114	121.678	325.433234	70.103740	208.889	36.060860	7.665
CIRC.	173.366	289.898669	0.000	420562.294	4575536.893	164.588425	112.521	330.545545	67.574038	198.563	33.531158	7.825
CIRC.	180.000	318.052854	0.000	420555.727	4575537.304	167.724983	108.837	333.682103	66.399873	193.062	32.356993	7.905
CIRC.	200.000	2.935491	0.000	420544.940	4575552.396	169.205287	90.430	335.162407	60.273270	192.234	26.230390	8.145
CIRC.	212.952	57.906325	0.000	420550.713	4575563.544	161.371957	83.880	327.329077	58.498348	203.511	24.455468	8.300
CIRC.	220.000	58.547292	0.000	420556.297	4575567.844	156.019872	83.828	321.976991	58.489259	210.559	24.446379	8.385
CIRC.	240.000	60.366206	0.000	420572.376	4575579.736	141.313890	87.224	307.271010	58.573180	230.556	24.530300	8.589
CIRC.	260.000	62.185120	0.000	420588.788	4575591.165	128.520947	95.311	294.478067	58.788842	250.539	24.745962	8.714
CIRC.	263.616	62.513997	0.000	420591.790	4575593.181	126.478588	97.193	292.435708	58.839480	254.149	24.796599	8.728

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 3 : NUDO SANT BOI SUR Y PARQUE AGRARIO
EJE : 269 : Camino Parque Agrario

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR520 X: 420502.883 Y: 4575632.451 Z: 8.753 PK: 217.028 Dis= -83.769
Distancia: 247.305 Azimut: 59.790544
BO : BR519 X: 420702.478 Y: 4575778.471 Z: 9.056 PK: 263.616 Dis=-215.833

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	361.340001	0.000	420666.960	4575403.932	160.357281	281.323	100.566737	206.019080	376.219	346.228536	6.652
RECTA	20.000	361.340001	0.000	420655.548	4575420.356	160.282073	261.325	100.491529	208.295491	361.177	348.504947	6.712
RECTA	40.000	361.340001	0.000	420644.135	4575436.780	160.194402	241.328	100.403858	210.766275	346.636	350.975731	6.772
RECTA	60.000	361.340001	0.000	420632.723	4575453.204	160.090889	221.332	100.300344	213.448967	332.662	353.658422	6.832
RECTA	80.000	361.340001	0.000	420621.310	4575469.629	159.966814	201.336	100.176270	216.361206	319.330	356.570662	6.892
RECTA	100.000	361.340001	0.000	420609.898	4575486.053	159.815377	181.341	100.024833	219.519916	306.724	359.729371	6.994
CIRC.	117.826	361.340001	0.000	420599.726	4575500.692	159.649190	163.521	99.858645	222.555268	296.175	362.764724	7.160
CIRC.	120.000	361.735455	0.000	420598.491	4575502.481	159.623746	161.348	99.833201	222.939296	294.930	363.148752	7.185
RECTA	136.651	364.764105	0.000	420589.404	4575516.432	159.206836	144.728	99.416292	225.934330	285.394	366.143786	7.385
RECTA	140.000	364.764105	0.000	420587.644	4575519.281	159.075369	141.392	99.284825	226.550823	283.489	366.760279	7.425
CIRC.	149.847	364.764105	0.000	420582.468	4575527.658	158.650247	131.588	98.859703	228.411493	278.046	368.620948	7.543
CIRC.	160.000	332.445007	0.000	420575.211	4575534.603	159.476114	121.678	99.685570	230.620624	275.079	370.830080	7.665
CIRC.	173.366	289.898669	0.000	420562.294	4575536.893	164.588425	112.521	104.797881	233.473326	279.305	373.682781	7.825
CIRC.	180.000	318.052854	0.000	420555.727	4575537.304	167.724983	108.837	107.934439	234.800748	282.307	375.010204	7.905
CIRC.	200.000	2.935491	0.000	420544.940	4575552.396	169.205287	90.430	109.414743	238.744886	275.550	378.954342	8.145
CIRC.	212.952	57.906325	0.000	420550.713	4575563.544	161.371957	83.880	101.581413	239.140915	263.109	379.350371	8.300
CIRC.	220.000	58.547292	0.000	420556.297	4575567.844	156.019872	83.828	96.229327	238.624079	256.384	378.833535	8.385
CIRC.	240.000	60.366206	0.000	420572.376	4575579.736	141.313890	87.224	81.523346	236.900980	237.533	377.110436	8.589
CIRC.	260.000	62.185120	0.000	420588.788	4575591.165	128.520947	95.311	68.730403	234.729707	219.109	374.939163	8.714
CIRC.	263.616	62.513997	0.000	420591.790	4575593.181	126.478588	97.193	66.688044	234.281327	215.833	374.490782	8.728

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GRUPO 4
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellà. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 235.234 Dis=-348.168

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	149.024936	0.000	420230.993	4577792.741	335.173133	404.675	314.578016	285.279303	463.639	64.684186	12.275
CIRC.	20.000	146.294702	0.000	420245.645	4577779.130	334.528796	385.079	313.933679	282.943876	452.802	62.348760	13.443
CIRC.	40.000	143.564467	0.000	420260.866	4577766.159	333.962019	365.362	313.366903	280.560636	441.867	59.965519	14.231
CIRC.	60.000	140.834232	0.000	420276.629	4577753.852	333.486600	345.540	312.891484	278.125511	430.848	57.530394	14.609
CIRC.	80.000	138.103997	0.000	420292.906	4577742.232	333.119730	325.635	312.524614	275.634023	419.759	55.038907	14.583
CIRC.	100.000	135.373762	0.000	420309.666	4577731.321	332.883075	305.671	312.287959	273.081242	408.615	52.486125	14.403
CLOT.	105.497	134.623370	0.000	420314.353	4577728.449	332.844343	300.177	312.249227	272.368175	405.545	51.773059	14.354
CLOT.	120.000	132.828993	0.000	420326.871	4577721.127	332.801146	285.676	312.206030	270.460490	397.445	49.865373	14.223
CLOT.	140.000	130.962978	0.000	420344.421	4577711.537	332.873706	265.679	312.278589	267.752637	386.392	47.157521	14.043
CLOT.	160.000	129.802358	0.000	420362.194	4577702.367	333.081206	245.697	312.486089	264.931576	375.668	44.336459	13.863
CLOT.	180.000	129.347134	0.000	420380.083	4577693.423	333.396926	225.731	312.801809	261.972259	365.502	41.377142	13.683
CLOT.	182.907	129.339683	0.000	420382.687	4577692.130	333.449786	222.830	312.854669	261.529286	364.085	40.934169	13.657
CLOT.	200.000	131.923067	0.000	420397.891	4577684.322	333.719550	205.762	313.124433	258.837184	356.328	38.242067	13.503
CLOT.	220.000	141.505289	0.000	420414.740	4577673.583	333.460979	185.797	312.865862	255.428600	349.851	34.833483	13.323
CIRC.	225.260	145.200107	0.000	420418.829	4577670.275	333.175264	180.603	312.580147	254.486276	348.894	33.891159	13.276
CIRC.	240.000	156.239957	0.000	420429.120	4577659.748	331.643256	166.485	311.048139	251.799631	348.334	31.204515	13.143
CLOT.	257.778	169.554767	0.000	420438.887	4577644.932	328.115870	151.067	307.520754	248.636221	351.846	28.041104	12.983
CLOT.	260.000	171.175575	0.000	420439.884	4577642.946	327.532148	149.323	306.937031	248.258137	352.597	27.663020	12.963
CLOT.	280.000	181.832084	0.000	420446.918	4577624.249	320.945554	135.827	300.350438	245.096111	361.785	24.500994	12.783
CLOT.	300.000	185.415040	0.000	420451.826	4577604.863	312.454988	126.038	291.859872	242.311467	373.671	21.716351	12.603
RECTA	300.131	185.415190	0.000	420451.855	4577604.736	312.394872	125.984	291.799756	242.294133	373.752	21.699017	12.602
CIRC.	307.183	185.415190	0.000	420453.457	4577597.868	309.073078	123.252	288.477962	241.369124	378.212	20.774007	12.539
RECTA	307.183	179.297332	0.000	420453.457	4577597.868	309.073033	123.252	288.477917	241.369111	378.212	20.773994	12.539
CLOT.	319.131	179.297332	0.000	420457.274	4577586.546	303.328232	118.346	282.733115	239.733799	385.044	19.138682	12.431
CLOT.	320.000	179.294004	0.000	420457.552	4577585.723	302.892470	118.029	282.297354	239.617125	385.551	19.022009	12.423
CLOT.	340.000	177.378579	0.000	420464.140	4577566.840	292.304510	112.137	271.709393	236.995509	397.390	16.400392	12.243
CLOT.	360.000	171.938616	0.000	420471.805	4577548.374	280.943719	108.478	260.348603	234.419361	408.952	13.824244	12.063
CIRC.	374.708	165.689114	0.000	420478.690	4577535.383	272.300893	106.711	251.705776	232.495925	416.736	11.900808	11.931

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellà. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 235.234 Dis=-348.168

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	163.097503	0.000	420481.498	4577530.898	269.151431	106.185	248.556314	231.791226	419.304	11.196109	11.883
CIRC.	400.000	153.303353	0.000	420493.694	4577515.072	257.102511	104.634	236.507394	229.068934	427.747	8.473818	11.703
CLOT.	401.080	152.774530	0.000	420494.421	4577514.273	256.446418	104.571	235.851301	228.919613	428.146	8.324497	11.694
CLOT.	420.000	145.086306	0.000	420508.068	4577501.185	244.891868	103.974	224.296752	226.279366	434.291	5.684249	11.523
CLOT.	440.000	140.388661	0.000	420523.782	4577488.820	232.717419	105.121	212.122303	223.476497	439.740	2.881381	11.343

RECTA	456.657	139.166312	0.000	420537.322	4577479.120	222.934282	108.187	202.339166	221.164709	444.199	0.569593	11.193
RECTA	460.000	139.166312	0.000	420540.052	4577477.191	221.045867	109.078	200.450750	220.705567	445.144	0.110451	11.163
RECTA	480.000	139.166312	0.000	420556.385	4577465.648	210.489178	116.289	189.894062	218.001091	451.270	397.405974	11.019
RECTA	500.000	139.166312	0.000	420572.718	4577454.105	201.381738	126.287	180.786621	215.373649	458.187	394.778532	10.998
RECTA	520.000	139.166312	0.000	420589.051	4577442.562	193.740829	138.469	173.145713	212.828548	465.861	392.233431	11.101
CLOT.	532.857	139.166312	0.000	420599.550	4577435.142	189.534037	147.205	168.938920	211.237840	471.177	390.642723	11.191
CLOT.	540.000	139.391124	0.000	420605.379	4577431.012	187.412805	152.317	166.817688	210.370214	474.263	389.775098	11.241
CLOT.	560.000	142.412248	0.000	420621.445	4577419.104	182.314930	167.687	161.719813	208.029172	483.735	387.434056	11.381
CLOT.	580.000	148.957911	0.000	420636.566	4577406.028	178.537275	184.734	157.942159	205.888291	495.086	385.293174	11.521
CIRC.	588.434	152.774530	0.000	420642.452	4577399.989	177.360298	192.412	156.765182	205.072032	500.596	384.476915	11.580
CIRC.	600.000	158.438709	0.000	420649.877	4577391.126	176.147184	203.343	155.552068	204.057825	508.905	383.462709	11.653
CIRC.	620.000	168.232859	0.000	420660.759	4577374.368	175.006758	222.956	154.411642	202.611653	525.070	382.016537	11.717
CIRC.	640.000	178.027009	0.000	420668.944	4577356.142	174.852416	242.928	154.257300	201.565193	543.019	380.970076	11.702
CIRC.	660.000	187.821160	0.000	420674.239	4577336.876	175.464552	262.760	154.869435	200.912088	562.179	380.316972	11.642
CLOT.	663.762	189.663377	0.000	420674.901	4577333.173	175.650657	266.442	155.055540	200.831679	565.873	380.236562	11.631
CLOT.	680.000	198.926731	0.000	420676.408	4577317.019	176.695914	282.029	156.100797	200.643725	582.008	380.048608	11.582
CIRC.	685.642	202.759449	0.000	420676.336	4577311.378	177.158334	287.278	156.563217	200.645385	587.649	380.050269	11.565
CIRC.	700.000	212.915505	0.000	420674.574	4577297.144	178.568776	300.060	157.973659	200.816400	601.902	380.221283	11.522
CIRC.	720.000	227.062611	0.000	420668.410	4577278.161	181.003475	316.173	160.408359	201.423352	620.991	380.828236	11.462
CIRC.	740.000	241.209717	0.000	420658.213	4577261.003	183.858489	329.906	163.263372	202.401630	638.448	381.806514	11.584
CIRC.	749.242	247.747246	0.000	420652.271	4577253.930	185.287402	335.348	164.692285	202.960700	645.765	382.365583	11.744

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellà. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973
Distancia: 489.278 Azimut: 219.683219
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 749.242 Dis= 265.400

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	149.024936	0.000	420230.993	4577792.741	335.173133	404.675	115.489914	382.131829	706.087	362.448610	12.275
CIRC.	20.000	146.294702	0.000	420245.645	4577779.130	334.528796	385.079	114.845577	383.084207	689.027	363.400988	13.443
CIRC.	40.000	143.564467	0.000	420260.866	4577766.159	333.962019	365.362	114.278800	384.151992	672.608	364.468773	14.231
CIRC.	60.000	140.834232	0.000	420276.629	4577753.852	333.486600	345.540	113.803381	385.338780	656.911	365.655560	14.609
CIRC.	80.000	138.103997	0.000	420292.906	4577742.232	333.119730	325.635	113.436511	386.647224	642.019	366.964005	14.583
CIRC.	100.000	135.373762	0.000	420309.666	4577731.321	332.883075	305.671	113.199856	388.078757	628.016	368.395538	14.403
CLOT.	105.497	134.623370	0.000	420314.353	4577728.449	332.844343	300.177	113.161124	388.493800	624.335	368.810581	14.354
CLOT.	120.000	132.828993	0.000	420326.871	4577721.127	332.801146	285.676	113.117927	389.632362	614.980	369.949143	14.223
CLOT.	140.000	130.962978	0.000	420344.421	4577711.537	332.873706	265.679	113.190487	391.297076	602.878	371.613857	14.043
CLOT.	160.000	129.802358	0.000	420362.194	4577702.367	333.081206	245.697	113.397987	393.057583	591.597	373.374363	13.863
CLOT.	180.000	129.347134	0.000	420380.083	4577693.423	333.396926	225.731	113.713706	394.899638	581.002	375.216419	13.683
CLOT.	182.907	129.339683	0.000	420382.687	4577692.130	333.449786	222.830	113.766567	395.173369	579.511	375.490150	13.657
CLOT.	200.000	131.923067	0.000	420397.891	4577684.322	333.719550	205.762	114.036330	396.798596	570.760	377.115377	13.503
CLOT.	220.000	141.505289	0.000	420414.740	4577673.583	333.460979	185.797	113.777760	398.652461	559.424	378.969242	13.323
CIRC.	225.260	145.200107	0.000	420418.829	4577670.275	333.175264	180.603	113.492045	399.112405	556.045	379.429186	13.276
CIRC.	240.000	156.239957	0.000	420429.120	4577659.748	331.643256	166.485	111.960036	0.296341	545.470	380.613122	13.143
CLOT.	257.778	169.554767	0.000	420438.887	4577644.932	328.115870	151.067	108.432651	1.476036	530.791	381.792817	12.983
CLOT.	260.000	171.175575	0.000	420439.884	4577642.946	327.532148	149.323	107.848929	1.601605	528.829	381.918386	12.963
CLOT.	280.000	181.832084	0.000	420446.918	4577624.249	320.945554	135.827	101.262335	2.537392	510.370	382.854173	12.783
CLOT.	300.000	185.415040	0.000	420451.826	4577604.863	312.454988	126.038	92.771769	3.273108	491.228	383.589888	12.603
RECTA	300.131	185.415190	0.000	420451.855	4577604.736	312.394872	125.984	92.711653	3.277793	491.103	383.594574	12.602
CIRC.	307.183	185.415190	0.000	420453.457	4577597.868	309.073078	123.252	89.389859	3.534481	484.331	383.851262	12.539
RECTA	307.183	179.297332	0.000	420453.457	4577597.868	309.073033	123.252	89.389814	3.534485	484.331	383.851266	12.539
CLOT.	319.131	179.297332	0.000	420457.274	4577586.546	303.328232	118.346	83.645013	4.131726	473.259	384.448507	12.431
CLOT.	320.000	179.294004	0.000	420457.552	4577585.723	302.892470	118.029	83.209251	4.176261	472.455	384.493042	12.423
CLOT.	340.000	177.378579	0.000	420464.140	4577566.840	292.304510	112.137	72.621291	5.271428	454.112	385.588209	12.243
CLOT.	360.000	171.938616	0.000	420471.805	4577548.374	280.943719	108.478	61.260500	6.608571	436.439	386.925352	12.063
CIRC.	374.708	165.689114	0.000	420478.690	4577535.383	272.300893	106.711	52.617674	7.838045	424.311	388.154826	11.931

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellà. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973
Distancia: 489.278 Azimut: 219.683219
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 749.242 Dis= 265.400

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	163.097503	0.000	420481.498	4577530.898	269.151431	106.185	49.468212	8.343662	420.218	388.660443	11.883
CIRC.	400.000	153.303353	0.000	420493.694	4577515.072	257.102511	104.634	37.419291	10.562419	406.368	390.879200	11.703
CLOT.	401.080	152.774530	0.000	420494.421	4577514.273	256.446418	104.571	36.763199	10.695531	405.701	391.012312	11.694
CLOT.	420.000	145.086306	0.000	420508.068	4577501.185	244.891868	103.974	25.208649	13.214980	395.389	393.531761	11.523
CLOT.	440.000	140.388661	0.000	420523.782	4577488.820	232.717419	105.121	13.034200	16.165104	386.943	396.481885	11.343
RECTA	456.657	139.166312	0.000	420537.322	4577479.120	222.934282	108.187	3.251063	18.761095	381.273	399.077876	11.193
RECTA	460.000	139.166312	0.000	420540.052	4577477.191	221.045867	109.078	1.362648	19.292342	380.233	399.609123	11.163
RECTA	480.000	139.166312	0.000	420556.385	4577465.648	210.489178	116.289	390.805959	22.528609	374.574	2.845390	11.019
RECTA	500.000	139.166312	0.000	420572.718	4577454.105	201.381738	126.287	381.698519	25.855257	369.911	6.172038	10.998
RECTA	520.000	139.166312	0.000	420589.051	4577442.562	193.740829	138.469	374.057610	29.257278	366.283	9.574059	11.101
CLOT.	532.857	139.166312	0.000	420599.550	4577435.142	189.534037	147.205	369.850818	31.475996	364.511	11.792777	11.191
CLOT.	540.000	139.391124	0.000	420605.379	4577431.012	187.412805	152.317	367.729585	32.717121	363.711	13.033902	11.241
CLOT.	560.000	142.412248	0.000	420621.445	4577419.104	182.314930	167.687	362.631711	36.210883	361.783	16.527664	11.381
CLOT.	580.000	148.957911	0.000	420636.566	4577406.028	178.537275	184.734	358.854056	39.716473	359.455	20.033254	11.521
CIRC.	588.434	152.774530	0.000	420642.452	4577399.989	177.360298	192.412	357.677079	41.192999	358.089	21.509779	11.580
CIRC.	600.000	158.438709	0.000	420649.877	4577391.126	176.147184	203.343	356.463965	43.210122	355.672	23.526902	11.653
CIRC.	620.000	168.232859	0.000	420660.759	4577374.368	175.006758	222.956	355.323539	46.666202	349.976	26.982983	11.717
CIRC.	640.000	178.027009	0.000	420668.944	4577356.142	174.852416	242.928	355.169197	50.066397	342.396	30.383178	11.702
CIRC.	660.000	187.821160	0.000	420674.239	4577336.876	175.464552	262.760	355.781333	53.390216	332.989	33.706996	11.642
CLOT.	663.762	189.663377	0.000	420674.901	4577333.173	175.650657	266.442	355.967437	54.004975	331.021	34.321756	11.631
CLOT.	680.000	198.926731	0.000	420676.408	4577317.019	176.695914	282.029	357.012695	56.600672	321.738	36.917453	11.582
CIRC.	685.642	202.759449	0.000	420676.336	4577311.378	177.158334	287.278	357.475114	57.468020	318.156	37.784801	11.565
CIRC.	700.000	212.915505	0.000	420674.574	4577297.144	178.568776	300.060	358.885557	59.551614	308.121	39.868395	11.522
CIRC.	720.000	227.062611	0.000	420668.410	4577278.161	181.003475	316.173	361.320256	62.084662	292.125	42.401443	11.462
CIRC.	740.000	241.209717	0.000	420658.213	4577261.003	183.858489	329.906	364.175270	64.054683	274.190	44.371464	11.584
CIRC.	749.242	247.747246	0.000	420652.271	4577253.930	185.287402	335.348	365.604182	64.725424	265.400	45.042204	11.744

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellà. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 749.242 Dis=-142.079

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	149.024936	0.000	420230.993	4577792.741	335.173133	404.675	139.155511	367.742073	769.191	371.724451	12.275
CIRC.	20.000	146.294702	0.000	420245.645	4577779.130	334.528796	385.079	138.511174	368.268584	750.205	372.250962	13.443
CIRC.	40.000	143.564467	0.000	420260.866	4577766.159	333.962019	365.362	137.944397	368.892401	731.571	372.874779	14.231
CIRC.	60.000	140.834232	0.000	420276.629	4577753.852	333.486600	345.540	137.468978	369.619009	713.351	373.601387	14.609
CIRC.	80.000	138.103997	0.000	420292.906	4577742.232	333.119730	325.635	137.102108	370.453784	695.614	374.436162	14.583
CIRC.	100.000	135.373762	0.000	420309.666	4577731.321	332.883075	305.671	136.865453	371.401843	678.430	375.384221	14.403
CLOT.	105.497	134.623370	0.000	420314.353	4577728.449	332.844343	300.177	136.826721	371.682895	673.814	375.665273	14.354
CLOT.	120.000	132.828993	0.000	420326.871	4577721.127	332.801146	285.676	136.783525	372.466763	661.868	376.449141	14.223
CLOT.	140.000	130.962978	0.000	420344.421	4577711.537	332.873706	265.679	136.856084	373.641154	645.915	377.623532	14.043
CLOT.	160.000	129.802358	0.000	420362.194	4577702.367	333.081206	245.697	137.063584	374.911693	630.495	378.894071	13.863
CLOT.	180.000	129.347134	0.000	420380.083	4577693.423	333.396926	225.731	137.379304	376.264995	615.507	380.247373	13.683
CLOT.	182.907	129.339683	0.000	420382.687	4577692.130	333.449786	222.830	137.432164	376.467783	613.357	380.450161	13.657
CLOT.	200.000	131.923067	0.000	420397.891	4577684.322	333.719550	205.762	137.701928	377.671452	600.691	381.653830	13.503
CLOT.	220.000	141.505289	0.000	420414.740	4577673.583	333.460979	185.797	137.443357	378.992124	584.942	382.974503	13.323
CIRC.	225.260	145.200107	0.000	420418.829	4577670.275	333.175264	180.603	137.157642	379.298718	580.495	383.281096	13.276
CIRC.	240.000	156.239957	0.000	420429.120	4577659.748	331.643256	166.485	135.625634	380.015745	567.268	383.998123	13.143
CLOT.	257.778	169.554767	0.000	420438.887	4577644.932	328.115870	151.067	132.098248	380.561250	550.180	384.543628	12.983
CLOT.	260.000	171.175575	0.000	420439.884	4577642.946	327.532148	149.323	131.514526	380.602393	547.986	384.584771	12.963
CLOT.	280.000	181.832084	0.000	420446.918	4577624.249	320.945554	135.827	124.927932	380.735070	528.041	384.717448	12.783
CLOT.	300.000	185.415040	0.000	420451.826	4577604.863	312.454988	126.038	116.437366	380.598248	508.075	384.580627	12.603
RECTA	300.131	185.415190	0.000	420451.855	4577604.736	312.394872	125.984	116.377250	380.597011	507.945	384.579390	12.602
CIRC.	307.183	185.415190	0.000	420453.457	4577597.868	309.073078	123.252	113.055456	380.529244	500.913	384.511622	12.539
RECTA	307.183	179.297332	0.000	420453.457	4577597.868	309.073033	123.252	113.055411	380.529244	500.913	384.511622	12.539
CLOT.	319.131	179.297332	0.000	420457.274	4577586.546	303.328232	118.346	107.310610	380.559344	488.967	384.541722	12.431
CLOT.	320.000	179.294004	0.000	420457.552	4577585.723	302.892470	118.029	106.874848	380.561593	488.099	384.543971	12.423
CLOT.	340.000	177.378579	0.000	420464.140	4577566.840	292.304510	112.137	96.286888	380.644104	468.109	384.626483	12.243

CLOT.	360.000	171.938616	0.000	420471.805	4577548.374	280.943719	108.478	84.926097	380.897673	448.198	384.880051	12.063	
CIRC.	374.708	165.689114	0.000	420478.690	4577535.383	272.300893	106.711	76.283271	381.299500	433.762	385.281878	11.931	

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellá. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 749.242 Dis=-142.079

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	163.097503	0.000	420481.498	4577530.898	269.151431	106.185	73.133809	381.505763	428.658	385.488141	11.883
CIRC.	400.000	153.303353	0.000	420493.694	4577515.072	257.102511	104.634	61.084889	382.616172	410.064	386.598550	11.703
CLOT.	401.080	152.774530	0.000	420494.421	4577514.273	256.446418	104.571	60.428796	382.691467	409.099	386.673845	11.694
CLOT.	420.000	145.086306	0.000	420508.068	4577501.185	244.891868	103.974	48.874246	384.252025	392.945	388.234403	11.523
CLOT.	440.000	140.388661	0.000	420523.782	4577488.820	232.717419	105.121	36.699797	386.312158	377.307	390.294536	11.343
RECTA	456.657	139.166312	0.000	420537.322	4577479.120	222.934282	108.187	26.916660	388.258236	365.112	392.240614	11.193
RECTA	460.000	139.166312	0.000	420540.052	4577477.191	221.045867	109.078	25.028245	388.667189	362.722	392.649567	11.163
RECTA	480.000	139.166312	0.000	420556.385	4577465.648	210.489178	116.289	14.471557	391.229103	348.751	395.211481	11.019
RECTA	500.000	139.166312	0.000	420572.718	4577454.105	201.381738	126.287	5.364116	393.999899	335.392	397.982277	10.998
RECTA	520.000	139.166312	0.000	420589.051	4577442.562	193.740829	138.469	397.723207	396.994347	322.721	0.976725	11.101
CLOT.	532.857	139.166312	0.000	420599.550	4577435.142	189.534037	147.205	393.516415	399.043638	314.977	3.026016	11.191
CLOT.	540.000	139.391124	0.000	420605.379	4577431.012	187.412805	152.317	391.395183	0.224729	310.813	4.207107	11.241
CLOT.	560.000	142.412248	0.000	420621.445	4577419.104	182.314930	167.687	386.297308	3.651455	299.395	7.633833	11.381
CLOT.	580.000	148.957911	0.000	420636.566	4577406.028	178.537275	184.734	382.519653	7.160311	287.644	11.142689	11.521
CIRC.	588.434	152.774530	0.000	420642.452	4577399.989	177.360298	192.412	381.342677	8.631790	282.380	12.614168	11.580
CIRC.	600.000	158.438709	0.000	420649.877	4577391.126	176.147184	203.343	380.129562	10.614527	274.735	14.596905	11.653
CIRC.	620.000	168.232859	0.000	420660.759	4577374.368	175.006758	222.956	378.989137	13.919709	260.367	17.902087	11.717
CIRC.	640.000	178.027009	0.000	420668.944	4577356.142	174.852416	242.928	378.834794	17.029020	244.641	21.011398	11.702
CIRC.	660.000	187.821160	0.000	420674.239	4577336.876	175.464552	262.760	379.446930	19.881665	227.688	23.864043	11.642
CLOT.	663.762	189.663377	0.000	420674.901	4577333.173	175.650657	266.442	379.633035	20.383166	224.375	24.365544	11.631
CLOT.	680.000	198.926731	0.000	420676.408	4577317.019	176.695914	282.029	380.678292	22.362098	209.618	26.344477	11.582
CIRC.	685.642	202.759449	0.000	420676.336	4577311.378	177.158334	287.278	381.140712	22.945736	204.305	26.928115	11.565
CIRC.	700.000	212.915505	0.000	420674.574	4577297.144	178.568776	300.060	382.551154	24.073261	190.394	28.055639	11.522
CIRC.	720.000	227.062611	0.000	420668.410	4577278.161	181.003475	316.173	384.985853	24.551091	170.481	28.533469	11.462
CIRC.	740.000	241.209717	0.000	420658.213	4577261.003	183.858489	329.906	387.840867	23.286993	150.778	27.269372	11.584
CIRC.	749.242	247.747246	0.000	420652.271	4577253.930	185.287402	335.348	389.269780	21.934299	142.079	25.916677	11.744

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 749.242 Dis=-142.079
Distancia: 461.063 Azimut: 396.017622
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	149.024936	0.000	420230.993	4577792.741	367.742073	769.191	371.724451	335.173133	404.675	139.155511	12.275
CIRC.	20.000	146.294702	0.000	420245.645	4577779.130	368.268584	750.205	372.250962	334.528796	385.079	138.511174	13.443
CIRC.	40.000	143.564467	0.000	420260.866	4577766.159	368.892401	731.571	372.874779	333.962019	365.362	137.944397	14.231
CIRC.	60.000	140.834232	0.000	420276.629	4577753.852	369.619009	713.351	373.601387	333.486600	345.540	137.468978	14.609
CIRC.	80.000	138.103997	0.000	420292.906	4577742.232	370.453784	695.614	374.436162	333.119730	325.635	137.102108	14.583
CIRC.	100.000	135.373762	0.000	420309.666	4577731.321	371.401843	678.430	375.384221	332.883075	305.671	136.865453	14.403
CLOT.	105.497	134.623370	0.000	420314.353	4577728.449	371.682895	673.814	375.665273	332.844343	300.177	136.826721	14.354
CLOT.	120.000	132.828993	0.000	420326.871	4577721.127	372.466763	661.868	376.449141	332.801146	285.676	136.783525	14.223
CLOT.	140.000	130.962978	0.000	420344.421	4577711.537	373.641154	645.915	377.623532	332.873706	265.679	136.856084	14.043
CLOT.	160.000	129.802358	0.000	420362.194	4577702.367	374.911693	630.495	378.894071	333.081206	245.697	137.063584	13.863
CLOT.	180.000	129.347134	0.000	420380.083	4577693.423	376.264995	615.507	380.247373	333.396926	225.731	137.379304	13.683
CLOT.	182.907	129.339683	0.000	420382.687	4577692.130	376.467783	613.357	380.450161	333.449786	222.830	137.432164	13.657
CLOT.	200.000	131.923067	0.000	420397.891	4577684.322	377.671452	600.691	381.653830	333.719550	205.762	137.701928	13.503
CLOT.	220.000	141.505289	0.000	420414.740	4577673.583	378.992124	584.942	382.974503	333.460979	185.797	137.443357	13.323
CIRC.	225.260	145.200107	0.000	420418.829	4577670.275	379.298718	580.495	383.281096	333.175264	180.603	137.157642	13.276
CIRC.	240.000	156.239957	0.000	420429.120	4577659.748	380.015745	567.268	383.998123	331.643256	166.485	135.625634	13.143
CLOT.	257.778	169.554767	0.000	420438.887	4577644.932	380.561250	550.180	384.543628	328.115870	151.067	132.098248	12.983
CLOT.	260.000	171.175575	0.000	420439.884	4577642.946	380.602393	547.986	384.584771	327.532148	149.323	131.514526	12.963
CLOT.	280.000	181.832084	0.000	420446.918	4577624.249	380.735070	528.041	384.717448	320.945554	135.827	124.927932	12.783
CLOT.	300.000	185.415040	0.000	420451.826	4577604.863	380.598248	508.075	384.580627	312.454988	126.038	116.437366	12.603
RECTA	300.131	185.415190	0.000	420451.855	4577604.736	380.597011	507.945	384.579390	312.394872	125.984	116.377250	12.602
CIRC.	307.183	185.415190	0.000	420453.457	4577597.868	380.529244	500.913	384.511622	309.073078	123.252	113.055456	12.539
RECTA	307.183	179.297332	0.000	420453.457	4577597.868	380.529244	500.913	384.511622	309.073033	123.252	113.055411	12.539
CLOT.	319.131	179.297332	0.000	420457.274	4577586.546	380.559344	488.967	384.541722	303.328232	118.346	107.310610	12.431
CLOT.	320.000	179.294004	0.000	420457.552	4577585.723	380.561593	488.099	384.543971	302.892470	118.029	106.874848	12.423
CLOT.	340.000	177.378579	0.000	420464.140	4577566.840	380.644104	468.109	384.626483	292.304510	112.137	96.286888	12.243
CLOT.	360.000	171.938616	0.000	420471.805	4577548.374	380.897673	448.198	384.880051	280.943719	108.478	84.926097	12.063
CIRC.	374.708	165.689114	0.000	420478.690	4577535.383	381.299500	433.762	385.281878	272.300893	106.711	76.283271	11.931

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellá. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 749.242 Dis=-142.079
Distancia: 461.063 Azimut: 396.017622
BO : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 419.321 Dis=-103.973

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	163.097503	0.000	420481.498	4577530.898	381.505763	428.658	385.488141	269.151431	106.185	73.133809	11.883
CIRC.	400.000	153.303353	0.000	420493.694	4577515.072	382.616172	410.064	386.598550	257.102511	104.634	61.084889	11.703
CLOT.	401.080	152.774530	0.000	420494.421	4577514.273	382.691467	409.099	386.673845	256.446418	104.571	60.428796	11.694
CLOT.	420.000	145.086306	0.000	420508.068	4577501.185	384.252025	392.945	388.234403	244.891868	103.974	48.874246	11.523
CLOT.	440.000	140.388661	0.000	420523.782	4577488.820	386.312158	377.307	390.294536	232.717419	105.121	36.699797	11.343
RECTA	456.657	139.166312	0.000	420537.322	4577479.120	388.258236	365.112	392.240614	222.934282	108.187	26.916660	11.193
RECTA	460.000	139.166312	0.000	420540.052	4577477.191	388.667189	362.722	392.649567	221.045867	109.078	25.028245	11.163
RECTA	480.000	139.166312	0.000	420556.385	4577465.648	391.229103	348.751	395.211481	210.489178	116.289	14.471557	11.019
RECTA	500.000	139.166312	0.000	420572.718	4577454.105	393.999899	335.392	397.982277	201.381738	126.287	5.364116	10.998
RECTA	520.000	139.166312	0.000	420589.051	4577442.562	396.994347	322.721	0.976725	193.740829	138.469	397.723207	11.101
CLOT.	532.857	139.166312	0.000	420599.550	4577435.142	399.043638	314.977	3.026016	189.534037	147.205	393.516415	11.191
CLOT.	540.000	139.391124	0.000	420605.379	4577431.012	0.224729	310.813	4.207107	187.412805	152.317	391.395183	11.241
CLOT.	560.000	142.412248	0.000	420621.445	4577419.104	3.651455	299.395	7.633833	182.314930	167.687	386.297308	11.381
CLOT.	580.000	148.957911	0.000	420636.566	4577406.028	7.160311	287.644	11.142689	178.537275	184.734	382.519653	11.521
CIRC.	588.434	152.774530	0.000	420642.452	4577399.989	8.631790	282.380	12.614168	177.360298	192.412	381.342677	11.580
CIRC.	600.000	158.438709	0.000	420649.877	4577391.126	10.614527	274.735	14.596905	176.147184	203.343	380.129562	11.653
CIRC.	620.000	168.232859	0.000	420660.759	4577374.368	13.919709	260.367	17.902087	175.006758	222.956	378.989137	11.717
CIRC.	640.000	178.027009	0.000	420668.944	4577356.142	17.029020	244.641	21.011398	174.852416	242.928	378.834794	11.702
CIRC.	660.000	187.821160	0.000	420674.239	4577336.876	19.881665	227.688	23.864043	175.464552	262.760	379.446930	11.642
CLOT.	663.762	189.663377	0.000	420674.901	4577333.173	20.383166	224.375	24.365544	175.650657	266.442	379.633035	11.631
CLOT.	680.000	198.926731	0.000	420676.408	4577317.019	22.362098	209.618	26.344477	176.695914	282.029	380.678292	11.582
CIRC.	685.642	202.759449	0.000	420676.336	4577311.378	22.945736	204.305	26.928115	177.158334	287.278	381.140712	11.565
CIRC.	700.000	212.915505	0.000	420674.574	4577297.144	24.073261	190.394	28.055639	178.568776	300.060	382.551154	11.522
CIRC.	720.000	227.062611	0.000	420668.410	4577278.161	24.551091	170.481	28.533469	181.003475	316.173	384.985853	11.462
CIRC.	740.000	241.209717	0.000	420658.213	4577261.003	23.286993	150.778	27.269372	183.858489	329.906	387.840867	11.584
CIRC.	749.242	247.747246	0.000	420652.271	4577253.930	21.934299	142.079	25.916677	185.287402	335.348	389.269780	11.744

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellá. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 749.242 Dis=-142.079
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 749.242 Dis=-247.159

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	149.024936	0.000	420230.993	4577792.741	367.742073	769.191	213.511167	365.612433	911.124	11.381526	12.275
CIRC.	20.000	146.294702	0.000	420245.645	4577779.130	368.268584	750.205	214.037678	366.009646	891.933	11.778740	13.443
CIRC.	40.000	143.564467	0.000	420260.866	4577766.159	368.892401	731.571	214.661495	366.483747	873.045	12.252840	14.231
CIRC.	60.000	140.834232	0.000	420276.629	4577753.852	369.619009	713.351	215.388103	367.038405	854.516	12.807498	14.609
CIRC.	80.000	138.103997	0.000	420292.906	4577742.232	370.453784	695.614	216.222877	367.677186	836.406	13.446280	14.583
CIRC.	100.000	135.373762	0.000	420309.666	4577731.321	371.401843	678.430	217.170937	368.403469	818.776	14.172563	14.403
CLOT.	105.497	134.623370	0.000	420314.353	4577728.449	371.682895	673.814	217.451989	368.618833	814.023	14.387927	14.354
CLOT.	120.000	132.828993	0.000	420326.871	4577721.127	372.466763	661.868	218.235856	369.219402	801.685	14.988496	14.223
CLOT.	140.000	130.962978	0.000	420344.421	4577711.537	373.641154	645.915	219.410248	370.117886	785.113	15.886980	14.043
CLOT.	160.000	129.802358	0.000	420362.194	4577702.367	374.911693	630.495	220.680787	371.086791	768.984	16.855885	13.863

CLOT.	180.000	129.347134	0.000	420380.083	4577693.423	376.264995	615.507	222.034089	372.113892	753.197	17.882986	13.683
CLOT.	182.907	129.339683	0.000	420382.687	4577692.130	376.467783	613.357	222.236877	372.267288	750.924	18.036381	13.657
CLOT.	200.000	131.923067	0.000	420397.891	4577684.322	377.671452	600.691	223.440546	373.172807	737.504	18.941901	13.503
CLOT.	220.000	141.505289	0.000	420414.740	4577673.583	378.992124	584.942	224.761218	374.142718	720.896	19.911812	13.323
CIRC.	225.260	145.200107	0.000	420418.829	4577670.275	379.298718	580.495	225.067812	374.360351	716.246	20.129445	13.276
CIRC.	240.000	156.239957	0.000	420429.120	4577659.748	380.015745	567.268	225.784838	374.844425	702.548	20.613519	13.143
CLOT.	257.778	169.554767	0.000	420438.887	4577644.932	380.561250	550.180	226.330343	375.152052	685.122	20.921146	12.983
CLOT.	260.000	171.175575	0.000	420439.884	4577642.946	380.602393	547.986	226.371487	375.167591	682.906	20.936685	12.963
CLOT.	280.000	181.832084	0.000	420446.918	4577624.249	380.735070	528.041	226.504163	375.109564	662.939	20.878658	12.783
CLOT.	300.000	185.415040	0.000	420451.826	4577604.863	380.598248	508.075	226.367342	374.827477	643.153	20.596571	12.603
RECTA	300.131	185.415190	0.000	420451.855	4577604.736	380.597011	507.945	226.366105	374.825337	643.024	20.594431	12.602
CIRC.	307.183	185.415190	0.000	420453.457	4577597.868	380.529244	500.913	226.298338	374.708469	636.070	20.477563	12.539
RECTA	307.183	179.297332	0.000	420453.457	4577597.868	380.529244	500.913	226.298337	374.708468	636.070	20.477562	12.539
CLOT.	319.131	179.297332	0.000	420457.274	4577586.546	380.559344	488.967	226.328438	374.620699	624.153	20.389793	12.431
CLOT.	320.000	179.294004	0.000	420457.552	4577585.723	380.561593	488.099	226.330687	374.614186	623.287	20.383280	12.423
CLOT.	340.000	177.378579	0.000	420464.140	4577566.840	380.644104	468.109	226.413198	374.481157	603.329	20.250251	12.243
CLOT.	360.000	171.938616	0.000	420471.805	4577548.374	380.897673	448.198	226.666767	374.465007	583.335	20.234101	12.063
CIRC.	374.708	165.689114	0.000	420478.690	4577535.383	381.299500	433.762	227.068594	374.606819	568.689	20.375913	11.931

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 19 : Nudo Sant Boi-Cornellá. Variante BV-2002

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 749.242 Dis=-142.079
Distancia: 144.669 Azimut: 154.230906
BO : BR507 X: 420699.559 Y: 4577011.337 Z: 9.657 PK: 749.242 Dis=-247.159

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	380.000	163.097503	0.000	420481.498	4577530.898	381.505763	428.658	227.274857	374.702329	563.466	20.471422	11.883
CIRC.	400.000	153.303353	0.000	420493.694	4577515.072	382.616172	410.064	228.385266	375.301467	544.178	21.070560	11.703
CLOT.	401.080	152.774530	0.000	420494.421	4577514.273	382.691467	409.099	228.460560	375.344831	543.163	21.113924	11.694
CLOT.	420.000	145.086306	0.000	420508.068	4577501.185	384.252025	392.945	230.021119	376.276131	525.947	22.045224	11.523
CLOT.	440.000	140.388661	0.000	420523.782	4577488.820	386.312158	377.307	232.081251	377.544067	508.810	23.313161	11.343
RECTA	456.657	139.166312	0.000	420537.322	4577479.120	388.258236	365.112	234.027329	378.747118	495.118	24.516212	11.193
RECTA	460.000	139.166312	0.000	420540.052	4577477.191	388.667189	362.722	234.436282	378.998873	492.404	24.767967	11.163
RECTA	480.000	139.166312	0.000	420556.385	4577465.648	391.229103	348.751	236.998196	380.564476	476.337	26.333570	11.019
RECTA	500.000	139.166312	0.000	420572.718	4577454.105	393.999899	335.392	239.768993	382.238288	460.578	28.007382	10.998
RECTA	520.000	139.166312	0.000	420589.051	4577442.562	396.994347	322.721	242.763441	384.029357	445.160	29.798451	11.101
CLOT.	532.857	139.166312	0.000	420599.550	4577435.142	399.043638	314.977	244.812731	385.247080	435.445	31.016173	11.191
CLOT.	540.000	139.391124	0.000	420605.379	4577431.012	0.224729	310.813	245.993823	385.946375	430.113	31.715469	11.241
CLOT.	560.000	142.412248	0.000	420621.445	4577419.104	3.651455	299.395	249.420549	387.950548	415.181	33.719642	11.381
CLOT.	580.000	148.957911	0.000	420636.566	4577406.028	7.160311	287.644	252.929405	389.924504	399.686	35.693598	11.521
CIRC.	588.434	152.774530	0.000	420642.452	4577399.989	8.631790	282.380	254.400884	390.712238	392.825	36.481332	11.580
CIRC.	600.000	158.438709	0.000	420649.877	4577391.126	10.614527	274.735	256.383620	391.719140	383.025	37.488234	11.653
CIRC.	620.000	168.232859	0.000	420660.759	4577374.368	13.919709	260.367	259.688803	393.221626	365.099	38.990720	11.717
CIRC.	640.000	178.027009	0.000	420668.944	4577356.142	17.029020	244.641	262.798114	394.362216	346.161	40.131309	11.702
CIRC.	660.000	187.821160	0.000	420674.239	4577336.876	19.881665	227.688	265.650759	395.058383	326.522	40.827477	11.642
CLOT.	663.762	189.663377	0.000	420674.901	4577333.173	20.383166	224.375	266.152260	395.131872	322.779	40.900966	11.631
CLOT.	680.000	198.926731	0.000	420676.408	4577317.019	22.362098	209.618	268.131192	395.187727	306.558	40.956821	11.582
CIRC.	685.642	202.759449	0.000	420676.336	4577311.378	22.945736	204.305	268.714830	395.082344	300.939	40.851438	11.565
CIRC.	700.000	212.915505	0.000	420674.574	4577297.144	24.073261	190.394	269.842355	394.448937	286.897	40.218031	11.522
CIRC.	720.000	227.062611	0.000	420668.410	4577278.161	24.551091	170.481	270.320185	392.601615	268.636	38.370709	11.462
CIRC.	740.000	241.209717	0.000	420658.213	4577261.003	23.286993	150.778	269.056087	389.552197	253.067	35.321290	11.584
CIRC.	749.242	247.747246	0.000	420652.271	4577253.930	21.934299	142.079	267.703392	387.744342	247.159	33.513436	11.744

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 20 : Enlace Sant Boi Norte-BV2002. Glorieta.

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 208.783 Dis= 89.252
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 31.313 Dis= 344.212

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	0.000000	0.000	420487.457	4577597.868	312.501137	89.726	291.906020	236.559598	358.664	15.964481	12.449
CIRC.	20.000	362.551778	0.000	420481.742	4577616.735	323.568783	100.528	302.973667	239.326936	346.255	18.731819	12.629
CIRC.	40.000	325.103556	0.000	420466.519	4577629.259	326.858536	119.410	306.263419	242.952939	345.423	22.357823	12.782
CIRC.	60.000	287.655334	0.000	420446.905	4577631.231	323.987626	138.252	303.392510	245.908958	356.519	25.313841	12.844
CIRC.	80.000	250.207112	0.000	420429.494	4577621.988	317.685517	151.785	297.090400	247.092978	375.022	26.497862	12.813
CIRC.	100.000	212.758890	0.000	420420.138	4577604.637	309.869787	157.207	289.274670	246.320094	394.174	25.724977	12.689
CIRC.	120.000	175.310669	0.000	420421.982	4577585.011	301.927611	153.547	281.332494	244.067209	407.859	23.472092	12.510
CIRC.	140.000	137.862447	0.000	420434.407	4577569.706	295.199832	141.454	274.604715	241.079993	412.165	20.484876	12.338
CIRC.	160.000	100.414225	0.000	420453.236	4577563.869	291.460951	123.331	270.865834	238.169209	405.929	17.574092	12.245
CIRC.	180.000	62.966003	0.000	420472.139	4577569.461	293.307871	103.894	272.712754	236.140834	390.844	15.545718	12.244
CIRC.	200.000	25.517781	0.000	420484.762	4577584.602	302.973998	90.796	282.378882	235.711892	371.299	15.116775	12.336
CIRC.	213.628	0.000000	0.000	420487.457	4577597.868	312.501137	89.726	291.906020	236.559598	358.664	15.964481	12.449

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 21 : Avda Maria Girona

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 69.869 Dis=-297.327
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 69.869 Dis=-435.963

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	165.265345	0.000	420255.646	4577743.769	330.071711	359.141	309.476594	277.785511	454.008	57.190394	12.837
RECTA	20.000	165.265345	0.000	420266.025	4577726.673	328.118142	342.281	307.523025	275.013003	450.527	54.417886	12.877
CLOT.	20.173	165.265345	0.000	420266.115	4577726.525	328.100374	342.136	307.505258	274.988798	450.501	54.393681	12.877
CLOT.	40.000	159.086242	0.000	420276.942	4577709.925	326.068800	325.421	305.473683	272.215309	447.278	51.620192	12.937
CLOT.	60.000	140.332405	0.000	420290.864	4577695.667	324.506241	307.067	303.911124	269.500223	441.089	48.905107	13.054
CIRC.	60.673	139.482244	0.000	420291.409	4577695.272	324.472725	306.413	303.877609	269.413297	440.788	48.818180	13.058
CIRC.	69.869	127.773372	0.000	420299.340	4577690.644	324.190937	297.327	303.595820	268.278592	435.963	47.683476	13.115

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 22 : Sant Boi Norte-BV2002. Conexion entre Glorietas

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 112.035 Dis=-157.242
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 112.035 Dis=-395.058

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	155.102086	0.000	420330.126	4577663.465	320.792291	259.026	300.197174	262.472382	423.671	41.877265	13.440
RECTA	20.000	155.102086	0.000	420343.090	4577648.236	318.092126	242.079	297.497010	259.473099	421.829	38.877982	13.516
CLOT.	22.099	155.102086	0.000	420344.450	4577646.638	317.786855	240.328	297.191738	259.157031	421.690	38.561915	13.517
CLOT.	40.000	151.729973	0.000	420356.292	4577633.216	315.064969	225.450	294.469853	256.456045	420.614	35.860928	13.429
CLOT.	60.000	139.986088	0.000	420371.156	4577619.877	312.163031	208.089	291.567915	253.449844	417.988	32.854727	13.129
CIRC.	62.432	137.984087	0.000	420373.146	4577618.479	311.855387	205.873	291.260271	253.088508	417.447	32.493392	13.089
CIRC.	80.000	123.071792	0.000	420388.697	4577610.392	310.149655	189.161	289.554539	250.545821	411.693	29.950705	12.860
RECTA	94.426	110.826561	0.000	420402.593	4577606.603	309.590568	174.846	288.995451	248.587625	404.631	27.992509	12.753
RECTA	100.000	110.826561	0.000	420408.087	4577605.659	309.549871	169.273	288.954754	247.854850	401.542	27.259733	12.729
RECTA	112.035	110.826561	0.000	420419.947	4577603.623	309.452166	157.242	288.857049	246.234259	395.058	25.639143	12.681

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 24 : Sant Boi Norte-BV2002. Glorieta Eliptica

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 144.703 Dis= 256.382
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 165.801 Dis= 405.822

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	354.649356	0.000	420329.636	4577696.918	328.186545	272.055	307.591428	266.873890	406.451	46.278774	13.600
CIRC.	20.000	323.594733	0.000	420313.457	4577708.336	328.925570	291.586	308.330454	269.627048	415.201	49.031931	13.437
CLOT.	22.309	320.009284	0.000	420311.282	4577709.111	328.869722	293.880	308.274606	269.884793	416.780	49.289677	13.407
CLOT.	40.000	281.471165	0.000	420293.876	4577709.821	327.434337	309.917	306.839221	271.146594	432.036	50.551477	13.160
CIRC.	45.358	265.431730	0.000	420288.985	4577707.670	326.622411	313.488	306.027294	271.176816	437.376	50.581700	13.085
CIRC.	60.000	218.824495	0.000	420280.187	4577696.375	323.833252	317.245	303.238135	270.284847	450.272	49.689730	12.930
CLOT.	63.015	209.226907	0.000	420279.529	4577693.435	323.235072	316.797	302.639955	269.956978	452.189	49.361862	12.910
CLOT.	80.000	165.365567	0.000	420283.267	4577677.211	320.375656	307.824	299.780539	267.704281	456.520	47.109165	12.868
CIRC.	86.064	154.649354	0.000	420286.843	4577672.322	319.636923	302.912	299.041807	266.864844	455.809	46.269728	12.883
CIRC.	100.000	133.010417	0.000	420297.553	4577663.511	318.507804	290.078	297.912687	265.033984	451.086	44.438867	12.978

CLOT.	108.373	120.009284	0.000	420305.197	4577660.130	318.271067	281.787	297.675950	264.053557	446.384	43.458441	13.075
CLOT.	120.000	97.174589	0.000	420316.636	4577658.430	318.649727	270.340	298.054611	262.954352	437.695	42.359236	13.238
CIRC.	131.422	65.431730	0.000	420327.495	4577661.571	320.148607	260.923	299.553491	262.455639	426.911	41.860522	13.398
CIRC.	140.000	38.126647	0.000	420333.680	4577667.420	322.002747	256.975	301.407631	262.671778	418.520	42.076661	13.499
CLOT.	149.079	9.226907	0.000	420336.951	4577675.805	324.233083	256.896	303.637967	263.473056	411.188	42.877939	13.573
CLOT.	160.000	378.682827	0.000	420335.806	4577686.561	326.555474	262.129	305.960357	264.985482	406.426	44.390366	13.614
CIRC.	172.128	354.649353	0.000	420329.636	4577696.918	328.186545	272.055	307.591428	266.873890	406.451	46.278774	13.599
RECTA	172.128	354.649164	0.000	420329.636	4577696.918	328.186556	272.055	307.591440	266.873909	406.451	46.278793	13.599
RECTA	172.128	354.649164	0.000	420329.636	4577696.918	328.186556	272.055	307.591440	266.873909	406.451	46.278793	13.599

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 25 : Acceso a Gasolinera

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 83.584 Dis= 44.858
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 83.584 Dis=-330.332

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	81.389215	0.000	420453.457	4577597.868	309.073056	123.252	288.477939	241.369117	378.212	20.774000	12.566
CLOT.	15.004	89.030450	0.000	420468.049	4577601.321	312.268017	109.436	291.672901	239.714898	366.759	19.119781	12.536
CLOT.	20.000	91.450967	0.000	420472.987	4577602.082	313.296922	104.749	292.701805	239.090485	363.274	18.495369	12.526
CLOT.	40.000	98.653431	0.000	420492.923	4577603.530	317.421826	85.726	296.826710	236.284999	350.944	15.689882	12.498
CLOT.	60.000	101.877020	0.000	420512.920	4577603.343	322.418296	66.627	301.823180	233.119211	340.733	12.524095	12.792
RECTA	66.204	102.068423	0.000	420519.121	4577603.147	324.466940	60.772	303.871823	232.087120	337.864	11.492004	12.917
RECTA	80.000	102.068423	0.000	420532.910	4577602.699	330.775835	48.056	310.180718	229.728520	331.825	9.133403	13.078
RECTA	83.584	102.068423	0.000	420536.492	4577602.583	332.992846	44.858	312.397729	229.102011	330.332	8.506894	13.096
RECTA	83.584	102.068423	0.000	420536.492	4577602.583	332.992846	44.858	312.397729	229.102011	330.332	8.506894	13.096

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 26 : Calle Bonaventura Calopa

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 85.803 Dis= 285.947
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 85.803 Dis= 430.616

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	11.608233	0.000	420280.384	4577604.552	305.207330	296.064	284.612213	259.747638	498.225	39.152521	12.552
CLOT.	10.272	11.608233	0.000	420282.247	4577614.654	307.411691	295.210	286.816574	260.661851	490.803	40.066735	12.600
CLOT.	20.000	12.223012	0.000	420284.042	4577624.215	309.508569	294.698	288.913452	261.550444	483.848	40.955328	12.646
CLOT.	40.000	17.349283	0.000	420288.512	4577643.703	313.831043	293.855	293.235927	263.382347	469.296	42.787231	12.754
CIRC.	59.272	27.205418	0.000	420294.998	4577661.830	317.997215	292.054	297.402099	265.020101	454.143	44.424984	12.932
CIRC.	60.000	27.669006	0.000	420295.302	4577662.492	318.154264	291.948	297.559147	265.076999	453.538	44.481883	12.940
CIRC.	80.000	40.401401	0.000	420305.475	4577679.672	322.439401	287.670	301.844284	266.443006	435.999	45.847890	13.166
CIRC.	85.803	44.095492	0.000	420309.049	4577684.243	323.669149	285.947	303.074032	266.761199	430.616	46.166082	13.232

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 130 : ACUERDO 19-20(1001).DP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 37.364 Dis=-117.953
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 7.770 Dis=-410.550

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	126.597427	0.000	420439.662	4577566.793	293.659760	136.474	273.064643	240.159095	411.375	19.563979	12.301
CIRC.	20.000	158.428416	0.000	420455.202	4577554.536	286.532809	122.998	265.937693	237.106025	412.581	16.510908	12.454
RECTA	22.932	163.095436	0.000	420456.897	4577552.144	285.125051	121.874	264.529935	236.685620	413.655	16.090503	12.506
CIRC.	33.962	163.095436	0.000	420462.939	4577542.917	279.547995	118.587	258.952879	235.148995	418.222	14.553879	12.621
CIRC.	37.364	170.315178	0.000	420464.637	4577539.971	277.749700	117.953	257.154584	234.695444	419.850	14.100328	12.632
CIRC.	37.364	170.315152	0.000	420464.637	4577539.971	277.749662	117.953	257.154546	234.695435	419.850	14.100319	12.632

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 131 : ACUERDO 19-20(1001).IP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 31.305 Dis= 94.391
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 31.305 Dis=-378.782

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	370.064575	0.000	420482.997	4577548.556	278.907978	97.779	258.312862	232.918724	403.147	12.323607	11.404
RECTA	5.782	377.426345	0.000	420480.681	4577553.850	282.635874	98.416	262.040757	233.656239	399.717	13.061123	11.549
CIRC.	11.781	377.426345	0.000	420478.599	4577559.476	286.479334	99.087	265.884217	234.401634	395.937	13.806517	11.752
CIRC.	20.000	3.589770	0.000	420477.386	4577567.547	291.728142	98.907	271.133026	235.249885	389.674	14.654768	12.080
CIRC.	31.305	39.575916	0.000	420481.096	4577578.067	298.452184	94.391	277.857067	235.649309	378.782	15.054192	12.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 132 : ACUERDO 25-20(1001).DP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 54.006 Dis= 46.958
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 54.006 Dis=-335.147

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	27.505171	0.000	420484.333	4577583.631	302.283052	91.185	281.687936	235.685758	372.349	15.090641	12.328
CIRC.	20.000	78.434753	0.000	420498.728	4577596.742	313.389390	78.460	292.794274	234.745701	353.630	14.150584	12.458
RECTA	24.749	90.527117	0.000	420503.329	4577597.887	315.173417	74.228	294.578301	234.138878	350.279	13.543762	12.518
CIRC.	35.071	90.527117	0.000	420513.537	4577599.417	319.005007	64.788	298.409890	232.658819	343.841	12.063703	12.729
CLOT.	39.545	101.920531	0.000	420517.997	4577599.682	320.648679	60.623	300.053563	231.958462	341.442	11.363345	12.826
RECTA	39.661	102.068423	0.000	420518.113	4577599.678	320.683931	60.511	300.088815	231.939153	341.389	11.344036	12.828
RECTA	40.000	102.068423	0.000	420518.452	4577599.667	320.787323	60.187	300.192207	231.882728	341.236	11.287611	12.834
RECTA	54.006	102.068423	0.000	420532.451	4577599.212	326.297232	46.958	305.702116	229.508209	335.147	8.913092	13.005

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 133 : ACUERDO 25-20(1001).IP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 0.000 Dis= -49.982
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 328.800

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	302.068380	0.000	420532.678	4577606.209	334.598599	49.982	314.003482	230.074473	328.800	9.479357	13.006
RECTA	0.358	303.207653	0.000	420532.321	4577606.223	334.380602	50.296	313.785485	230.137406	328.950	9.542289	13.003
RECTA	20.000	303.207653	0.000	420512.703	4577607.213	325.737939	68.259	305.142823	233.517579	337.489	12.922463	12.708
CIRC.	38.021	303.207653	0.000	420494.705	4577608.120	321.077595	85.392	300.482479	236.464637	346.119	15.869520	12.485
CIRC.	40.000	311.606254	0.000	420492.741	4577608.350	320.770400	87.325	300.175284	236.790292	346.995	16.195175	12.500
CIRC.	52.713	365.561554	0.000	420482.602	4577615.377	322.956340	99.239	302.361224	239.053918	346.867	18.458801	12.615

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 134 : ACUERDO 19-20(1002).IA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 0.000 Dis=-121.699
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 47.139 Dis= 344.194

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	320.808280	0.000	420464.373	4577630.068	326.785033	121.699	306.189916	243.354133	346.138	22.759016	12.793
RECTA	16.871	356.610270	0.000	420450.708	4577639.580	328.214466	138.093	307.619349	246.395249	347.749	25.800132	12.990
RECTA	20.000	356.610270	0.000	420448.737	4577642.009	328.824213	140.922	308.229097	246.961460	347.263	26.366343	13.052
RECTA	40.000	356.610270	0.000	420436.136	4577657.541	332.205215	159.272	311.610099	250.613714	344.810	30.018597	13.374
CIRC.	42.394	356.610270	0.000	420434.628	4577659.400	332.558139	161.494	311.963022	251.053956	344.593	30.458840	13.396
CIRC.	43.929	357.832467	0.000	420433.672	4577660.602	332.784870	162.917	312.189753	251.336484	344.448	30.741367	13.410
CIRC.	47.139	355.539165	0.000	420431.654	4577663.096	333.236395	165.907	312.641279	251.927945	344.194	31.332829	13.438

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 135 : ACUERDO 19-20(1002).DA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 31.066 Dis=-149.498
Distancia: 336.068 Azimut: 20.595117

BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis=-352.357

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	155.539171	0.000	420425.391	4577657.839	330.340521	168.888	309.745405	252.011700	352.357	31.416583	12.865
CIRC.	3.764	165.125054	0.000	420427.586	4577654.785	329.684093	165.545	309.088977	251.338973	352.867	30.743856	12.825
CIRC.	18.847	177.979323	0.000	420434.093	4577641.206	325.874561	153.904	305.279445	248.793485	357.854	28.198369	12.789
CIRC.	20.000	182.055914	0.000	420434.449	4577640.110	325.514501	153.146	304.919384	248.612912	358.398	28.017795	12.795
CIRC.	39.440	250.811194	0.000	420429.724	4577622.214	317.803365	151.626	297.208248	247.090038	374.700	26.494922	12.814

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 136 : ACUERDO 22-20(1002).IA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 0.000 Dis=-152.354
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 376.217

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	247.968873	0.000	420428.661	4577621.131	317.245582	152.354	296.650465	247.099316	376.217	26.504199	12.808
CIRC.	20.000	290.410191	0.000	420411.284	4577611.996	312.118229	167.195	291.523112	248.176084	394.735	27.580968	12.633
CIRC.	25.605	302.304673	0.000	420405.696	4577611.676	311.612424	172.627	291.017308	248.789534	398.822	28.194418	12.567
CIRC.	37.932	312.767952	0.000	420393.469	4577613.130	311.341196	184.916	290.746079	250.327597	406.373	29.732480	12.557
CIRC.	40.000	317.156590	0.000	420391.458	4577613.612	311.381217	186.981	290.786101	250.602071	407.467	30.006955	12.574
CIRC.	43.766	325.148843	0.000	420387.900	4577614.840	311.573317	190.701	290.978200	251.126143	409.161	30.531027	12.617

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 137 : ACUERDO 22-20(1002).DA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 43.792 Dis=-154.126
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 33.645 Dis=-404.499

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	125.148830	0.000	420384.946	4577607.754	309.091153	192.472	288.496037	250.660219	416.218	30.065103	13.154
CIRC.	4.433	121.568858	0.000	420389.084	4577606.164	308.757816	188.153	288.162700	250.040878	414.394	29.445762	13.104
CIRC.	12.283	126.566071	0.000	420396.377	4577603.268	308.098734	180.541	287.503617	248.925972	411.344	28.330855	12.996
CIRC.	20.000	121.887222	0.000	420403.541	4577600.402	307.387472	173.082	286.792356	247.812874	408.487	27.217758	12.864
CIRC.	25.154	118.762330	0.000	420408.434	4577598.784	306.993428	168.038	286.398311	247.079588	406.358	26.484472	12.768
CIRC.	40.000	166.018627	0.000	420419.842	4577589.822	303.865448	155.904	283.270332	244.807929	405.548	24.212813	12.559
CIRC.	43.792	178.087894	0.000	420421.451	4577586.395	302.492746	154.126	281.897630	244.269314	407.134	23.674197	12.523

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 138 : ACUERDO 22-24(1001).DP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 47.653 Dis=-228.285
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 47.653 Dis=-424.424

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	100.065927	0.000	420315.397	4577658.403	318.559788	271.520	297.964671	263.049992	438.746	42.454876	13.220
RECTA	19.369	149.387904	0.000	420332.878	4577651.250	318.099595	252.727	297.504478	260.735694	428.334	40.140577	13.438
RECTA	20.000	149.387904	0.000	420333.328	4577650.808	318.024381	252.170	297.429264	260.643327	428.222	40.048211	13.442
RECTA	40.000	149.387904	0.000	420347.606	4577636.803	315.458280	234.740	294.863163	257.694230	425.161	37.099113	13.530
CIRC.	43.217	149.387904	0.000	420349.902	4577634.550	315.009749	231.975	294.414633	257.216207	424.754	36.621091	13.530
CIRC.	44.677	153.105598	0.000	420350.914	4577633.498	314.792689	230.747	294.197573	256.998316	424.620	36.403199	13.528
CIRC.	47.653	152.063031	0.000	420352.931	4577631.309	314.328380	228.285	293.733263	256.552927	424.424	35.957811	13.524

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 139 : ACUERDO 22-24(1001).IP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 0.000 Dis= 224.178
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 46.515 Dis= 410.887

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	352.063080	0.000	420358.409	4577636.443	316.096762	224.178	295.501646	256.633721	416.936	36.038605	13.349
RECTA	2.692	358.917230	0.000	420356.677	4577638.502	316.535620	226.375	295.940503	257.044386	416.993	36.449270	13.391
RECTA	20.000	358.917230	0.000	420346.267	4577652.330	319.369559	240.226	298.774443	259.687407	416.843	39.092290	13.475
CIRC.	27.335	358.917230	0.000	420341.855	4577658.190	320.473431	246.228	299.878315	260.807237	416.997	40.212121	13.481
CIRC.	40.000	391.167794	0.000	420337.068	4577669.769	322.842476	254.606	302.247359	262.684475	414.398	42.089359	13.540
CIRC.	46.515	7.757783	0.000	420337.013	4577676.265	324.344502	257.010	303.749386	263.527700	410.887	42.932583	13.576

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 140 : ACUERDO 21-24(1001).IA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 0.000 Dis=-304.952
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 426.267

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	297.107764	0.000	420299.815	4577710.810	328.139674	304.952	307.544558	270.890884	426.267	50.295767	13.245
CIRC.	20.000	339.549082	0.000	420280.992	4577716.384	327.548204	324.365	306.953087	272.813299	440.897	52.218182	12.972
RECTA	23.768	347.545751	0.000	420278.073	4577718.764	327.729960	328.014	307.134844	273.298758	442.581	52.703641	12.921
CIRC.	26.571	347.545751	0.000	420276.016	4577720.668	327.895233	330.684	307.300117	273.668494	443.692	53.073378	12.889
CIRC.	40.000	364.643516	0.000	420267.497	4577730.996	328.960874	342.828	308.365758	275.501159	447.526	54.906042	12.798
RECTA	40.488	365.265345	0.000	420267.242	4577731.412	329.009403	343.241	308.414286	275.569669	447.607	54.974553	12.797
RECTA	46.358	365.265345	0.000	420264.196	4577736.430	329.588040	348.198	308.992923	276.391744	448.590	55.796627	12.788

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 141 : ACUERDO 21-24(1001).DA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 47.679 Dis=-315.933
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 40.757 Dis=-452.142

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	165.265349	0.000	420258.212	4577732.797	328.515546	351.969	307.920429	276.221621	455.485	55.626504	12.788
CIRC.	16.427	173.980343	0.000	420265.751	4577718.216	326.660323	339.003	306.065206	273.932162	454.080	53.337046	12.836
CIRC.	20.000	171.814246	0.000	420267.226	4577714.962	326.211263	336.340	305.616146	273.431318	454.036	52.836201	12.852
CIRC.	38.427	160.641781	0.000	420276.538	4577699.088	324.068995	321.636	303.473879	270.857017	452.328	50.261900	12.914
CIRC.	40.000	167.317168	0.000	420277.380	4577697.761	323.885721	320.364	303.290604	270.636959	452.162	50.041843	12.913
CIRC.	47.679	199.907855	0.000	420279.314	4577690.416	322.651305	315.933	302.056188	269.593342	453.760	48.998225	12.893

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 142 : ACUERDO 26-24(1001).IA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 51.933 Dis=-301.964
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis=-456.401

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	174.423459	0.000	420281.327	4577680.987	320.984684	310.868	300.389567	268.296107	456.401	47.700990	12.865
RECTA	16.994	210.485085	0.000	420283.310	4577664.337	317.818577	303.978	297.223460	266.153644	462.874	45.558527	12.802
RECTA	20.000	210.485085	0.000	420282.817	4577661.371	317.192438	303.647	296.597322	265.837745	464.808	45.242628	12.779
RECTA	40.000	210.485085	0.000	420279.538	4577641.642	312.999526	302.199	292.404410	263.802185	477.957	43.207069	12.608
CIRC.	57.204	210.485085	0.000	420276.717	4577624.671	309.373947	302.010	288.778830	262.140115	489.639	41.544998	12.516
CIRC.	58.599	211.965126	0.000	420276.473	4577623.298	309.080081	302.053	288.484964	262.010302	490.612	41.415186	12.509

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 4 : NUDO SANT BOI NORTE
EJE : 143 : ACUERDO 26-24(1001).DA

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 49.728 Dis= 270.474
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 49.728 Dis=-437.817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	11.965233	0.000	420290.776	4577620.577	308.934025	287.509	288.338909	260.646878	480.419	40.051762	12.501
CIRC.	10.879	13.024740	0.000	420292.898	4577631.247	311.343074	287.106	290.747957	261.652708	472.566	41.057592	12.561
CIRC.	20.000	24.637939	0.000	420295.553	4577639.960	313.355595	286.181	292.760479	262.428877	465.476	41.833761	12.684
RECTA	27.613	34.331028	0.000	420298.951	4577646.765	315.004093	284.370	294.408976	262.950863	458.882	42.355746	12.841

CIRC.	29.880	34.331028	0.000	420300.115	4577648.710	315.489492	283.700	294.894376	263.088133	456.841	42.493016	12.889
CIRC.	40.000	66.545001	0.000	420307.243	4577655.741	317.441532	278.606	296.846415	263.369614	447.030	42.774497	13.083
CIRC.	49.728	97.510702	0.000	420316.495	4577658.424	318.638764	270.474	298.043647	262.964957	437.817	42.369840	13.235

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GRUPO 5
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 13 : Glorieta Bulevar Sant Boi

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 32.212 Dis= 76.734
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 12.342 Dis= 219.406

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	0.000000	0.000	420405.686	4577020.466	213.951196	96.117	116.070198	270.371339	222.233	372.490341	11.665
CIRC.	20.000	357.558682	0.000	420399.262	4577039.017	222.165269	80.071	124.284271	275.997074	220.508	378.116077	11.616
CIRC.	40.000	315.117364	0.000	420382.743	4577049.624	237.929475	78.120	140.048477	280.366011	232.510	382.485013	11.515
CIRC.	60.000	272.676046	0.000	420363.201	4577047.745	248.452160	91.894	150.571162	281.413336	251.734	383.532338	11.411
CIRC.	80.000	230.234727	0.000	420349.006	4577034.184	248.980710	111.507	151.099712	279.309378	269.379	381.428380	11.354
CIRC.	100.000	187.793409	0.000	420346.235	4577014.749	243.234173	127.917	145.353175	275.302625	278.762	377.421627	11.358
CIRC.	120.000	145.352091	0.000	420356.076	4576997.762	234.641207	136.192	136.760209	270.825568	276.762	372.944570	11.425
CIRC.	140.000	102.910773	0.000	420374.314	4576990.497	225.434390	134.369	127.553392	267.307358	264.023	369.426360	11.531
CIRC.	160.000	60.469455	0.000	420393.140	4576996.066	217.550026	122.857	119.669028	266.164267	244.930	368.283269	11.627
CIRC.	180.000	18.028137	0.000	420404.491	4577012.084	213.551791	104.561	115.670793	268.422062	227.169	370.541064	11.667
CIRC.	188.496	0.000000	0.000	420405.686	4577020.466	213.951196	96.117	116.070198	270.371339	222.233	372.490341	11.665

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 14 : Bulevar Sant Boi Conexion Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 61.674 Dis= 136.543
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 61.674 Dis= 271.522

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	24.016075	0.000	420341.883	4576935.282	228.135651	198.029	130.254653	260.918599	321.012	363.037602	11.571
RECTA	20.000	24.016075	0.000	420349.250	4576953.876	228.598010	178.076	130.717012	263.209612	304.476	365.328614	11.511
RECTA	40.000	24.016075	0.000	420356.617	4576972.469	229.177018	158.134	131.296020	265.760003	288.379	367.879005	11.476
RECTA	60.000	24.016075	0.000	420363.984	4576991.063	229.923048	138.209	132.042050	268.606720	272.800	370.725722	11.476
RECTA	61.674	24.016075	0.000	420364.601	4576992.619	229.995353	136.543	132.114355	268.859664	271.522	370.978666	11.478

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 15 : Bulevar Sant Boi Conexion Oeste

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 52.525 Dis=-108.012
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 52.525 Dis=-266.662

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	137.799941	0.000	420307.306	4577066.665	275.818060	128.430	177.937062	288.645542	301.763	390.764544	11.445
RECTA	20.000	137.799941	0.000	420323.882	4577055.475	266.892224	118.345	169.011226	285.557598	287.773	387.676600	11.461
RECTA	40.000	137.799941	0.000	420340.459	4577044.286	256.551415	110.981	158.670417	282.163027	274.528	384.282029	11.344
RECTA	52.525	137.799941	0.000	420350.841	4577037.278	249.472520	108.012	151.591522	279.869464	266.662	381.988466	11.359

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 16 : Bulevar Sant Boi Ramal directo

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 40.380 Dis=-118.379
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 48.486 Dis=-278.736

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	137.799941	0.000	420303.389	4577060.863	273.951566	134.276	176.070568	287.604472	306.688	389.723474	11.375
RECTA	20.000	137.799941	0.000	420319.966	4577049.673	265.314769	124.665	167.433771	284.520388	292.933	386.639390	11.390
CIRC.	34.512	137.799941	0.000	420331.994	4577041.554	258.269329	119.316	160.388331	282.099182	283.418	384.218185	11.324
CIRC.	40.000	154.049588	0.000	420336.104	4577037.939	255.380343	118.383	157.499345	281.052232	280.511	383.171234	11.320
CIRC.	60.000	213.270031	0.000	420341.000	4577019.285	246.682588	127.863	148.801590	276.697878	281.960	378.816880	11.358
RECTA	63.587	223.891519	0.000	420339.969	4577015.853	245.939318	131.111	148.058320	276.062712	284.165	378.181714	11.365
RECTA	80.000	223.891519	0.000	420333.953	4577000.583	243.520299	146.656	145.639301	273.478871	295.612	375.597873	11.393
RECTA	100.000	223.891519	0.000	420326.622	4576981.975	241.189683	165.824	143.308685	270.594044	310.163	372.713046	11.372
RECTA	108.898	223.891519	0.000	420323.361	4576973.696	240.317940	174.412	142.436942	269.396830	316.829	371.515832	11.382

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 17 : Bulevar Sant Boi Conexion Este

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 5.356 Dis=-100.708
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 72.548 Dis=-195.821

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	110.149501	0.000	420405.305	4577015.703	213.532033	100.850	115.651035	269.214071	224.748	371.333073	11.667
CIRC.	13.269	110.149501	0.000	420418.406	4577013.597	205.157387	101.018	107.276389	266.849668	214.276	368.968670	11.795
CIRC.	20.000	118.719324	0.000	420424.960	4577012.085	201.009834	102.212	103.128836	265.459547	209.393	367.578549	11.895
CLOT.	24.036	123.858487	0.000	420428.771	4577010.761	198.653208	103.547	100.772210	264.504667	206.836	366.623670	11.955
CLOT.	40.000	140.178282	0.000	420442.639	4577002.941	190.881735	112.495	93.000737	260.046651	199.696	362.165653	12.127
CLOT.	60.000	149.318123	0.000	420457.670	4576989.774	184.422817	128.332	86.541820	253.715195	196.230	355.834197	11.999
RECTA	64.536	149.641587	0.000	420460.901	4576986.590	183.284831	132.225	85.403833	252.244714	195.985	354.363716	11.958
RECTA	76.631	149.641587	0.000	420469.501	4576978.087	180.565421	142.800	82.684424	248.314482	195.863	350.433484	11.850

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 18 : Nudo Sant Boi-Cornella. Bulevar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 80.801 Dis= 2.290
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 216.536 Dis= 114.982

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	30.187584	0.000	420387.566	4577043.585	232.102446	80.750	134.221448	278.366579	229.861	380.485581	11.546
RECTA	20.000	30.187584	0.000	420396.698	4577061.378	232.732645	60.762	134.851648	282.421086	215.757	384.540088	11.578
RECTA	40.000	30.187584	0.000	420405.830	4577079.172	233.980410	40.786	136.099412	287.020932	202.649	389.139934	11.700
RECTA	60.000	30.187584	0.000	420414.962	4577096.965	237.617530	20.855	139.736532	292.225357	190.740	394.344360	11.955
CIRC.	73.321	30.187584	0.000	420421.045	4577108.817	250.395425	7.781	152.514427	296.049787	183.590	398.168790	12.154
CIRC.	80.000	32.313430	0.000	420424.193	4577114.706	311.142945	2.425	213.261947	298.058182	180.172	0.177185	12.255
CIRC.	100.000	38.679628	0.000	420434.772	4577131.670	28.028242	19.219	330.147245	304.300767	169.898	6.419769	12.555
CIRC.	120.000	45.045826	0.000	420446.991	4577147.493	35.082390	38.979	337.201393	310.937183	159.642	13.056185	12.805
CIRC.	140.000	51.412024	0.000	420460.728	4577162.017	39.532421	58.689	341.651423	318.044805	149.520	20.163807	12.735
CIRC.	160.000	57.778221	0.000	420475.847	4577175.097	43.346476	78.265	345.465478	325.714312	139.675	27.833314	12.356
CIRC.	180.000	64.144419	0.000	420492.196	4577186.602	46.908793	97.649	349.027795	334.047827	130.278	36.166829	11.938
CIRC.	200.000	70.510617	0.000	420509.612	4577196.418	50.346014	116.791	352.465016	343.152043	121.537	45.271045	11.771
CIRC.	216.536	75.774319	0.000	420524.695	4577203.187	53.132849	132.401	355.251851	351.330621	114.982	53.449623	11.948

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 18 : Nudo Sant Boi-Cornella. Bulevar

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 216.536 Dis= 114.982
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 80.801 Dis= 2.290

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	30.187584	0.000	420387.566	4577043.585	278.366579	229.861	380.485581	232.102446	80.750	134.221448	11.546

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 5 : BULEVAR SANT BOI
EJE : 38 : Bulevar Sant Boi Conexion Suroeste

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 0.000 Dis=-127.102
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 0.000 Dis=-278.498

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

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CIRC.       0.000 190.423190     0.000   420346.024  4577015.970 243.700555   127.102 145.819557 275.579253   278.498 377.698255     11.356

CIRC.      20.000 241.352772     0.000   420341.215  4576997.102 240.081015   144.979 142.200018 272.137050   290.443 374.256052     11.366

CIRC.      27.620 260.757164     0.000   420335.760  4576991.825 240.624679   152.462 142.743681 271.609152   297.632 373.728154     11.355

CIRC.      40.000 234.486171     0.000   420327.399  4576982.814 241.145893   164.686 143.264895 270.677584   309.095 372.796586     11.346

RECTA      44.993 223.891519     0.000   420325.191  4576978.342 240.796349   169.588 142.915351 270.062510   313.074 372.181512     11.352

RECTA      49.987 223.891519     0.000   420323.361  4576973.696 240.317940   174.412 142.436942 269.396830   316.829 371.515832     11.362
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  144 : ACUERDO 14-13(1001).IA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis=-133.494
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       2.731 Dis=-279.006

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 165.325776     0.000   420350.027  4577004.922 238.880374   133.494 140.999376 272.900582   279.168 375.019584     11.386

CIRC.      16.732 207.934484     0.000   420353.450  4576988.861 233.605903   145.186 135.724905 269.291820   283.137 371.410822     11.363

CIRC.      20.000 211.896805     0.000   420352.943  4576985.633 233.095734   148.234 135.214736 268.705833   285.096 370.824835     11.352

CIRC.      27.463 220.946906     0.000   420351.041  4576978.423 232.304965   155.449 134.423968 267.508392   290.227 369.627394     11.346

CIRC.      28.669 224.016027     0.000   420350.624  4576977.292 232.229687   156.640 134.348689 267.337168   291.144 369.456170     11.347
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  145 : ACUERDO 14-13(1001).DA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      28.626 Dis=-130.028
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      28.626 Dis=-255.396

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000  24.016075     0.000   420364.588  4576971.760 226.119307   155.423 128.238309 264.700330   281.936 366.819332     11.339

CIRC.       3.076  24.016075     0.000   420365.721  4576974.619 226.161761   152.349 128.280763 265.118227   279.474 367.237229     11.331

CIRC.       7.107  34.281862     0.000   420367.501  4576978.231 226.080689   148.326 128.199692 265.615418   276.081 367.734420     11.342

CIRC.      11.759  39.922935     0.000   420370.060  4576982.114 225.725895   143.748 127.844897 266.086964   271.896 368.205966     11.385

CIRC.      20.000  60.908079     0.000   420375.899  4576987.877 224.275546   136.189 126.394548 266.569139   263.948 368.688141     11.508

CIRC.      28.626  82.873871     0.000   420383.659  4576991.545 221.416418   130.028 123.535420 266.390493   255.396 368.509495     11.581
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  146 : ACUERDO 17-13(1001).DP


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      24.968 Dis=-105.475
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      33.962 Dis=-208.415

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000  46.200087     0.000   420398.127  4577000.556 215.607649   117.234 117.726651 266.523001   238.359 368.642003     11.647

CIRC.      20.000  97.129669     0.000   420415.700  4577008.939 206.552066   105.905 108.671068 266.066249   218.957 368.185252     11.756

RECTA      20.617  98.699687     0.000   420416.317  4577008.959 206.184578   105.824 108.303580 265.980053   218.416 368.099055     11.764

CIRC.      23.055  98.699687     0.000   420418.755  4577009.009 204.724064   105.566 106.843066 265.627204   216.296 367.746207     11.794

CIRC.      33.962 126.474557     0.000   420429.365  4577006.883 198.350328   107.437 100.469331 263.403776   208.415 365.522778     11.963
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  147 : ACUERDO 17-13(1001).IP


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      33.371 Dis=  88.176
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis= 202.845

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 326.474693     0.000   420432.071  4577013.012 196.551939   101.420  98.670941 264.556322   202.845 366.675324     11.963

CIRC.      10.098 315.014552     0.000   420422.517  4577016.241 202.637139    98.128 104.756141 266.925091   209.395 369.044093     11.821

RECTA      15.270 321.599343     0.000   420417.560  4577017.707 205.929139    96.998 108.048141 268.041095   213.003 370.160097     11.757

CIRC.      19.186 321.599343     0.000   420413.868  4577019.010 208.445253    96.119 110.564255 268.903012   215.632 371.022014     11.719

CIRC.      20.000 325.053735     0.000   420413.108  4577019.302 208.970629    95.933 111.089631 269.083844   216.167 371.202846     11.712

CIRC.      33.371 381.801983     0.000   420404.468  4577028.925 216.137251    88.176 118.256253 272.720972   219.674 374.839974     11.652
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  148 : ACUERDO 18-13(1001).DP


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:      32.891 Dis= -55.499
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      32.891 Dis= 204.140

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 379.287834     0.000   420404.112  4577030.055 216.596148    87.174 118.715150 273.061934   219.532 375.180936     11.649

CIRC.      15.407  11.982590     0.000   420403.068  4577045.258 220.900897    72.921 123.019899 277.302036   214.718 379.421038     11.518

CIRC.      15.883  12.141068     0.000   420403.157  4577045.725 220.958719    72.450 123.077721 277.422651   214.471 379.541653     11.510

CIRC.      20.000  16.509860     0.000   420404.076  4577049.737 221.357473    68.357 123.476475 278.455774   212.244 380.574776     11.442

CIRC.      32.891  30.187584     0.000   420408.690  4577061.748 220.895919    55.499 123.014921 281.512360   204.140 383.631362     11.390
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  149 : ACUERDO 18-13(1001).IP


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                            ==========================================

 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis= -56.410
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis=-219.776

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 230.187584     0.000   420390.007  4577071.337 244.908868    56.410 147.027870 285.726347   219.776 387.845349     11.390

CIRC.       4.655 230.187584     0.000   420387.881  4577067.195 243.794425    60.951 145.913427 284.707535   222.798 386.826537     11.375

RECTA      16.906 245.785048     0.000   420381.015  4577057.087 242.825210    73.128 144.944212 282.461416   232.016 384.580418     11.430

CIRC.      18.123 245.785048     0.000   420380.213  4577056.171 242.873650    74.344 144.992652 282.280280   233.038 384.399282     11.439

CIRC.      20.000 251.760761     0.000   420378.912  4577054.819 243.018703    76.213 145.137705 282.024517   234.662 384.143519     11.450

CIRC.      30.915 286.505413     0.000   420369.374  4577049.795 246.194894    86.206 148.313896 281.461669   245.232 383.580671     11.443
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  150 : ACUERDO 15-13(1001).IA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       0.000 Dis=  89.418
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:       0.000 Dis=-249.019

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 278.463767     0.000   420365.729  4577048.766 247.650065    89.418 149.769067 281.477225   249.019 383.596227     11.424

CIRC.      12.606 310.565416     0.000   420353.303  4577047.692 253.041136    99.016 155.160138 282.095365   261.244 384.214368     11.322

CIRC.      17.719 318.224156     0.000   420348.323  4577048.838 255.660834   102.017 157.779836 282.690184   265.721 384.809186     11.282

CIRC.      20.000 324.032231     0.000   420346.167  4577049.581 256.865363   103.213 158.984365 282.998148   267.601 385.117150     11.275

CIRC.      25.407 337.799938     0.000   420341.395  4577052.099 259.856724   105.468 161.975726 283.862920   271.565 385.981922     11.287
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    5 : BULEVAR SANT BOI
 EJE        :  151 : ACUERDO 15-13(1001).DA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR506                X:  420426.581  Y: 4577114.284  Z:  10.879  PK:       6.340 Dis=-117.768
                                                                      Distancia:  177.799  Azimut:  97.880998
 BO : BR505                X:  420604.282  Y: 4577120.201  Z:  18.431  PK:      17.817 Dis=-276.364

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 137.799947     0.000   420333.559  4577040.498 257.309095   118.733 159.428097 281.772378   282.212 383.891380     11.287

CIRC.       7.705 157.420211     0.000   420339.185  4577035.279 253.207305   117.813 155.326307 280.263811   278.367 382.382814     11.277

CIRC.      12.637 164.808291     0.000   420342.013  4577031.241 250.579251   118.524 152.698253 279.181503   276.946 381.300505     11.301

CIRC.      20.000 183.557873     0.000   420344.907  4577024.499 246.990862   121.375 149.109864 277.497172   276.468 379.616175     11.340

CIRC.      25.387 197.276893     0.000   420345.713  4577019.183 244.861969   124.835 146.980971 276.289300   277.601 378.408303     11.351
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                                              GRUPO 6
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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   59 : Via Perimetral


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 306.736 Dis=-208.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	37.463614	175.447	254.979689	14.652804	275.523	32.168879	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	30.455327	179.720	247.971402	10.782595	285.959	28.298670	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	29.173587	180.764	246.689662	10.084074	288.043	27.600148	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	23.548741	183.025	241.064816	6.847952	294.671	24.364026	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	16.867894	187.713	234.383969	3.065440	303.838	20.581514	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	13.755188	190.711	231.271263	1.310642	308.665	18.826716	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	10.448708	193.099	227.964783	399.393351	312.842	16.909426	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	3.912701	191.793	221.428776	395.391651	314.578	12.907725	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	397.905827	182.865	215.421901	391.588612	307.771	9.104687	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	394.649127	173.280	212.165201	389.504351	299.046	7.020426	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	393.169079	167.855	210.685154	388.566337	293.941	6.082412	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	388.152540	152.321	205.668615	385.574186	279.150	3.090261	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	382.045070	137.941	199.561145	382.255525	265.044	399.771600	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	374.604091	125.116	192.120166	378.575096	251.737	396.091171	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	365.620094	114.369	183.136169	374.499302	239.364	392.015377	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	363.443510	112.361	180.959585	373.554247	236.802	391.070321	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	355.023882	106.389	172.539957	369.991088	228.126	387.507163	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	343.056887	102.355	160.572962	364.966421	218.676	382.482496	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	333.955567	102.628	151.471642	360.936155	213.441	378.452230	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	330.689151	103.480	148.205226	359.394729	211.973	376.910804	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	319.412636	110.060	136.928711	353.418923	208.813	370.934998	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	310.254170	121.200	127.770245	347.333352	209.434	364.849427	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	303.416863	135.698	120.932938	341.461315	213.796	358.977390	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	298.613130	152.489	116.129205	336.081795	221.641	353.597870	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	295.421470	170.772	112.937545	331.382955	232.551	348.899030	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	293.457808	189.977	110.973883	327.452198	246.029	344.968273	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	292.420227	209.703	109.936301	324.294761	261.567	341.810836	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	292.084011	229.662	109.600086	321.862933	278.694	339.379008	8.144

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 306.736 Dis=-208.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	292.284648	249.640	109.800723	320.082442	296.996	337.598517	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	292.901612	269.474	110.417687	318.870835	316.119	336.386910	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	293.845831	289.033	111.361906	318.148117	335.767	335.664192	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	295.050660	308.211	112.566735	317.841864	355.690	335.357939	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	296.465556	326.918	113.981631	317.888976	375.681	335.405051	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	298.051649	345.075	115.567723	318.235654	395.563	335.751729	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	299.778637	362.614	117.294712	318.836558	415.186	336.352633	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	301.622594	379.474	119.138669	319.653682	434.421	337.169757	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	303.564385	395.600	121.080460	320.655210	453.155	338.171284	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	305.419112	409.710	122.935187	321.713647	469.822	339.229722	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	305.588520	410.942	123.104595	321.814460	471.290	339.330535	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	307.083634	421.528	124.599709	322.727281	483.968	340.243356	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	307.665332	425.561	125.181407	323.091283	488.816	340.607358	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	309.745627	439.706	127.261701	324.426401	505.878	341.942476	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	311.824283	453.393	129.340358	325.807806	522.474	343.323881	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	312.710208	459.087	130.226283	326.409563	529.403	343.925638	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	313.900346	466.618	131.416421	327.228816	538.588	344.744891	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	315.954578	479.540	133.470652	328.664405	554.340	346.180480	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	316.859663	485.311	134.375738	329.302644	561.345	346.818719	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	317.956214	492.445	135.472289	330.078816	569.961	347.594891	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	319.893657	505.463	137.409732	331.457804	585.563	348.973878	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	321.770755	518.582	139.286829	332.803661	601.140	350.319736	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	323.591569	531.788	141.107644	334.118952	616.688	351.635027	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	325.359872	545.068	142.875947	335.405990	632.201	352.922065	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	327.079160	558.410	144.595235	336.666870	647.673	354.182944	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	328.752671	571.802	146.268746	337.903491	663.098	355.419565	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	330.383403	585.234	147.899478	339.117578	678.472	356.633653	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	331.974132	598.697	149.490207	340.310704	693.790	357.826779	7.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 306.736 Dis=-208.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	333.527424	612.180	151.043499	341.484301	709.048	359.000376	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	335.045655	625.676	152.561730	342.639676	724.242	360.155751	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	336.531025	639.178	154.047100	343.778029	739.367	361.294104	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	337.980791	652.631	155.496866	344.896757	754.370	362.412832	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	337.985570	652.676	155.501644	344.900457	754.420	362.416532	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	339.410205	666.176	156.926280	346.007039	769.407	363.523113	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	340.801965	679.726	158.318040	347.094217	784.373	364.610292	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	342.157049	693.381	159.673124	348.157772	799.374	365.673846	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	343.471746	707.197	160.987821	349.193690	814.460	366.709765	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	344.742398	721.226	162.258473	350.198116	829.685	367.714191	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	345.027094	724.477	162.543169	350.423538	833.200	367.939613	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	345.965791	735.513	163.481866	351.167700	845.092	368.683775	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	347.142160	750.060	164.658235	352.102367	860.687	369.618442	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	348.273395	764.854	165.789470	353.003579	876.461	370.519654	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	349.361371	779.880	166.877446	353.872757	892.405	371.388832	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	350.407922	795.126	167.923997	354.711274	908.509	372.227348	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	351.414836	810.578	168.930911	355.520446	924.766	373.036520	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	352.383846	826.225	169.899921	356.301539	941.166	373.817614	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	353.316628	842.057	170.832703	357.055768	957.704	374.571843	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	353.570668	846.506	171.086743	357.261593	962.342	374.777668	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	354.216866	858.042	171.732941	357.786186	974.352	375.302261	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	355.107590	873.953	172.623665	358.513565	990.903	376.029640	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	356.020494	889.446	173.536568	359.266642	1007.035	376.782716	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	356.065619	890.177	173.581694	359.304096	1007.797	376.820171	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	356.979006	904.194	174.495081	360.066715	1022.435	377.582790	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	357.984004	918.084	175.500079	360.914416	1036.989	378.430491	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	359.030684	931.074	176.546758	361.805111	1050.647	379.321186	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	360.114592	943.126	177.630667	362.734453	1063.364	380.250528	14.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 306.736 Dis=-208.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	361.231587	954.206	178.747661	363.698355	1075.100	381.214430	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	362.377799	964.282	179.893874	364.692963	1085.818	382.209038	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	363.549601	973.328	181.065676	365.714631	1095.485	383.230706	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	364.743571	981.318	182.259646	366.759895	1104.073	384.275970	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	365.956464	988.233	183.472539	367.825451	1111.556	385.341525	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	367.185187	994.052	184.701262	368.908131	1117.913	386.424206	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	368.426773	998.762	185.942848	370.004883	1123.125	387.520958	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	369.678353	1002.351	187.194428	371.112749	1127.178	388.628823	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	370.937137	1004.809	188.453212	372.228844	1130.061	389.744918	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	372.200391	1006.131	189.716466	373.350339	1131.765	390.866413	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	372.950322	1006.376	190.466397	374.016629	1132.216	391.532704	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	373.465419	1006.318	190.981494	374.474439	1132.291	391.990514	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	374.730196	1005.610	192.246271	375.598774	1131.878	393.114848	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	375.995190	1004.544	193.511265	376.723120	1131.062	394.239195	8.445

RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	376.453618	1004.177	193.969693	377.130450	1130.774	394.646525	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	377.261987	1003.649	194.778062	377.848513	1130.373	395.364588	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	378.530537	1003.148	196.046612	378.974923	1130.034	396.490998	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	379.799850	1003.046	197.315925	380.101657	1130.049	397.617732	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	381.068918	1003.342	198.584993	381.228008	1130.418	398.744083	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	382.336733	1004.037	199.852808	382.353273	1131.140	399.869347	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	383.602293	1005.129	201.118368	383.476751	1132.215	0.992825	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	384.864609	1006.617	202.380684	384.597748	1133.642	2.113823	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	386.122704	1008.501	203.638779	385.715582	1135.420	3.231657	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	387.375622	1010.776	204.891697	386.829579	1137.546	4.345654	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	387.560158	1011.145	205.076233	386.993729	1137.890	4.509804	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	388.621901	1013.498	206.137976	387.938644	1140.078	5.454718	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	389.859357	1016.763	207.375432	389.041084	1143.109	6.557159	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	391.086477	1020.566	208.602552	390.135757	1146.639	7.651832	8.255

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 306.736 Dis=-208.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	392.301828	1024.902	209.817903	391.221571	1150.663	8.737646	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	393.504049	1029.763	211.020124	392.297480	1155.175	9.813554	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	394.691856	1035.141	212.207931	393.362485	1160.168	10.878560	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	395.864051	1041.029	213.380125	394.415644	1165.637	11.931719	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	397.019520	1047.417	214.535595	395.456067	1171.575	12.972142	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	398.157242	1054.296	215.673317	396.482926	1177.974	13.999000	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	399.276288	1061.655	216.792363	397.495450	1184.826	15.011525	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	0.375821	1069.485	217.891896	398.492932	1192.123	16.009007	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	0.802339	1072.688	218.318414	398.880599	1195.110	16.396674	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	1.455834	1077.748	218.971909	399.475345	1199.830	16.991419	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	2.518797	1086.327	220.034872	0.444726	1207.829	17.960801	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	3.564816	1095.204	221.080891	1.401132	1216.105	18.917207	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	4.593741	1104.373	222.109816	2.344400	1224.652	19.860475	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	5.605463	1113.825	223.121538	3.274392	1233.464	20.790467	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	6.599913	1123.553	224.115988	4.190998	1242.535	21.707073	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	7.577056	1133.551	225.093131	5.094133	1251.860	22.610208	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	8.536891	1143.811	226.052966	5.983738	1261.434	23.499812	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	9.479450	1154.327	226.995525	6.859773	1271.250	24.375847	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	10.404792	1165.091	227.920867	7.722222	1281.302	25.238297	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	11.313005	1176.097	228.829079	8.571091	1291.587	26.087166	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	12.204200	1187.337	229.720274	9.406403	1302.097	26.922477	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	13.078511	1198.806	230.594586	10.228198	1312.828	27.744273	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	13.936095	1210.497	231.452170	11.036536	1323.774	28.552611	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	14.777123	1222.403	232.293197	11.831490	1334.930	29.347564	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	15.601785	1234.518	233.117860	12.613147	1346.291	30.129222	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	15.883436	1238.759	233.399511	12.880610	1350.270	30.396685	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	16.410719	1246.826	233.926794	13.381983	1357.840	30.898058	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	17.209853	1259.179	234.725928	14.143042	1369.427	31.659116	12.704

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 306.736 Dis=-208.597

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	18.008469	1271.347	235.524544	14.904284	1380.811	32.420359	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	18.611761	1280.199	236.127836	15.479281	1389.060	32.995356	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	18.815272	1283.091	236.331347	15.673169	1391.747	33.189244	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	19.635366	1294.242	237.151441	16.454014	1402.061	33.970089	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	19.790956	1296.269	237.307031	16.602075	1403.926	34.118150	14.135

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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 326.579 Azimut: 233.146777
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	37.463614	175.447	204.316837	34.655188	501.763	1.508411	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	30.455327	179.720	197.308550	32.191451	506.195	399.044674	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	29.173587	180.764	196.026810	31.731318	507.116	398.584541	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	23.548741	183.025	190.401964	29.701995	508.271	396.555218	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	16.867894	187.713	183.721118	27.216256	510.402	394.069479	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	13.755188	190.711	180.608411	26.016114	511.717	392.869337	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	10.448708	193.099	177.301931	24.741922	511.990	391.595146	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	3.912701	191.793	170.765924	22.393901	505.700	389.247125	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	397.905827	182.865	164.759050	20.617122	491.625	387.470346	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	394.649127	173.280	161.502350	19.969533	479.362	386.822756	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	393.169079	167.855	160.022302	19.770410	472.810	386.623633	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	388.152540	152.321	155.005764	19.143650	453.336	385.996873	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	382.045070	137.941	148.898293	18.460700	433.910	385.313923	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	374.604091	125.116	141.457314	17.713829	414.539	384.567053	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	365.620094	114.369	132.473317	16.893862	395.231	383.747085	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	363.443510	112.361	130.296734	16.704143	391.026	383.557366	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	355.023882	106.389	121.877105	15.980083	376.012	382.833306	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	343.056887	102.355	109.910110	14.868161	357.065	381.721384	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	333.955567	102.628	100.808791	13.836916	343.566	380.690139	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	330.689151	103.480	97.542374	13.399085	338.753	380.252309	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	319.412636	110.060	86.265859	11.442016	321.525	378.295239	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	310.254170	121.200	77.107394	8.946842	305.755	375.800065	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	303.416863	135.698	70.270086	5.889136	291.830	372.742359	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	298.613130	152.489	65.466353	2.274508	280.160	369.127731	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	295.421470	170.772	62.274694	398.151919	271.146	365.005142	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	293.457808	189.977	60.311031	393.623114	265.144	360.476337	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	292.420227	209.703	59.273450	388.841982	262.414	355.695205	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	292.084011	229.662	58.937234	383.999528	263.085	350.852751	8.144

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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 326.579 Azimut: 233.146777
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	292.284648	249.640	59.137871	379.296344	267.124	346.149567	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	292.901612	269.474	59.754835	374.911573	274.348	341.764796	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	293.845831	289.033	60.699054	370.979562	284.452	337.832785	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	295.050660	308.211	61.903884	367.580687	297.058	334.433910	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	296.465556	326.918	63.318779	364.745398	311.756	331.598622	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	298.051649	345.075	64.904872	362.465877	328.144	329.319100	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	299.778637	362.614	66.631861	360.709461	345.845	327.562684	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	301.622594	379.474	68.475817	359.430183	364.521	326.283407	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	303.564385	395.600	70.417608	358.577103	383.875	325.430326	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	305.419112	409.710	72.272335	358.125874	402.010	324.979097	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	305.588520	410.942	72.441743	358.099566	403.648	324.952789	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	307.083634	421.528	73.936857	357.951576	418.025	324.804800	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	307.665332	425.561	74.518555	357.926677	423.612	324.779900	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	309.745627	439.706	76.598850	357.961160	443.607	324.814383	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	311.824283	453.393	78.677506	358.169650	463.548	325.022873	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	312.710208	459.087	79.563431	358.305892	472.017	325.159115	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	313.900346	466.618	80.753569	358.528271	483.366	325.381494	14.564

CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	315.954578	479.540	82.807801	358.990100	503.042	325.843323	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	316.859663	485.311	83.712886	359.214247	511.826	326.067471	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	317.956214	492.445	84.809437	359.496102	522.622	326.349325	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	319.893657	505.463	86.746880	360.019700	542.137	326.872924	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	321.770755	518.582	88.623978	360.558330	561.584	327.411554	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	323.591569	531.788	90.444792	361.110434	580.960	327.963658	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	325.359872	545.068	92.213095	361.674662	600.263	328.527885	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	327.079160	558.410	93.932383	362.249838	619.489	329.103061	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	328.752671	571.802	95.605894	362.834932	638.634	329.688155	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	330.383403	585.234	97.236626	363.429041	657.697	330.282264	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	331.974132	598.697	98.827355	364.031365	676.675	330.884588	7.402

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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 326.579 Azimut: 233.146777
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	333.527424	612.180	100.380647	364.641198	695.564	331.494422	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	335.045655	625.676	101.898878	365.257912	714.362	332.111135	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	336.531025	639.178	103.384248	365.880946	733.065	332.734169	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	337.980791	652.631	104.834014	366.507702	751.611	333.360925	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	337.985570	652.676	104.838793	366.509799	751.672	333.363022	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	339.410205	666.176	106.263428	367.142875	770.185	333.996098	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	340.801965	679.726	107.655188	367.774327	788.631	334.627550	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	342.157049	693.381	109.010272	368.397808	807.041	335.251031	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	343.471746	707.197	110.324969	369.007547	825.450	335.860770	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	344.742398	721.226	111.595621	369.598257	843.890	336.451480	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	345.027094	724.477	111.880317	369.730471	848.125	336.583694	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	345.965791	735.513	112.819014	370.165516	862.389	337.018739	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	347.142160	750.060	113.995383	370.708920	880.954	337.562143	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	348.273395	764.854	115.126618	371.229858	899.580	338.083081	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	349.361371	779.880	116.214594	371.729629	918.264	338.582853	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	350.407922	795.126	117.261145	372.209440	937.002	339.062663	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	351.414836	810.578	118.268059	372.670412	955.792	339.523635	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	352.383846	826.225	119.237069	373.113586	974.629	339.966809	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	353.316628	842.057	120.169851	373.539935	993.513	340.393158	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	353.570668	846.506	120.423891	373.656024	998.789	340.509248	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	354.216866	858.042	121.070089	373.952426	1012.427	340.805649	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	355.107590	873.953	121.960813	374.373249	1031.251	341.226472	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	356.020494	889.446	122.873717	374.833199	1049.781	341.686422	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	356.065619	890.177	122.918842	374.856880	1050.664	341.710103	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	356.979006	904.194	123.832229	375.355366	1067.792	342.208589	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	357.984004	918.084	124.837227	375.940370	1085.169	342.793593	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	359.030684	931.074	125.883907	376.582977	1101.842	343.436201	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	360.114592	943.126	126.967815	377.278231	1117.745	344.131454	14.290

Istram 21.04
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GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 326.579 Azimut: 233.146777
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	361.231587	954.206	128.084810	378.021441	1132.819	344.874664	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	362.377799	964.282	129.231023	378.808171	1147.010	345.661394	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	363.549601	973.328	130.402824	379.634220	1160.266	346.487444	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	364.743571	981.318	131.596794	380.495610	1172.544	347.348833	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	365.956464	988.233	132.809687	381.388559	1183.801	348.241782	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	367.185187	994.052	134.038411	382.309468	1194.001	349.162691	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	368.426773	998.762	135.279996	383.254900	1203.111	350.108123	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	369.678353	1002.351	136.531576	384.221560	1211.102	351.074783	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	370.937137	1004.809	137.790360	385.206278	1217.950	352.059501	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	372.200391	1006.131	139.053614	386.205990	1223.633	353.059213	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	372.950322	1006.376	139.803545	386.804533	1226.445	353.657756	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	373.465419	1006.318	140.318642	387.217652	1228.141	354.070875	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	374.730196	1005.610	141.583419	388.236290	1231.695	355.089513	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	375.995190	1004.544	142.848413	389.256021	1234.819	356.109244	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	376.453618	1004.177	143.306842	389.624616	1235.951	356.477840	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	377.261987	1003.649	144.115210	390.272389	1238.037	357.125612	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	378.530537	1003.148	145.383760	391.283273	1241.565	358.136496	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	379.799850	1003.046	146.653073	392.288177	1245.403	359.141400	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	381.068918	1003.342	147.922141	393.286659	1249.550	360.139882	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	382.336733	1004.037	149.189956	394.278293	1254.003	361.131516	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	383.602293	1005.129	150.455517	395.262673	1258.757	362.115896	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	384.864609	1006.617	151.717832	396.239414	1263.810	363.092637	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	386.122704	1008.501	152.975927	397.208150	1269.158	364.061373	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	387.375622	1010.776	154.228845	398.168536	1274.797	365.021759	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	387.560158	1011.145	154.413381	398.309638	1275.655	365.162861	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	388.621901	1013.498	155.475125	399.119364	1280.780	365.972587	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	389.859357	1016.763	156.712580	0.058607	1287.195	366.911831	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	391.086477	1020.566	157.939700	0.985618	1294.037	367.838841	8.255

Istram 21.04
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 326.579 Azimut: 233.146777
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	392.301828	1024.902	159.155051	1.899818	1301.300	368.753041	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	393.504049	1029.763	160.357272	2.800677	1308.976	369.653901	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	394.691856	1035.141	161.545079	3.687711	1317.057	370.540934	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	395.864051	1041.029	162.717274	4.560481	1325.535	371.413704	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	397.019520	1047.417	163.872743	5.418594	1334.403	372.271817	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	398.157242	1054.296	165.010465	6.261702	1343.651	373.114926	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	399.276288	1061.655	166.129511	7.089503	1353.272	373.942726	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	0.375821	1069.485	167.229044	7.901735	1363.257	374.754958	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	0.802339	1072.688	167.655562	8.216564	1367.278	375.069787	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	1.455834	1077.748	168.309057	8.698894	1373.572	375.552117	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	2.518797	1086.327	169.372020	9.483747	1384.110	376.336970	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	3.564816	1095.204	170.418039	10.256623	1394.855	377.109846	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	4.593741	1104.373	171.446964	11.017573	1405.802	377.870796	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	5.605463	1113.825	172.458687	11.766659	1416.947	378.619882	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	6.599913	1123.553	173.453136	12.503952	1428.285	379.357175	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	7.577056	1133.551	174.430279	13.229536	1439.812	380.082759	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	8.536891	1143.811	175.390114	13.943503	1451.523	380.796726	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	9.479450	1154.327	176.332673	14.645956	1463.413	381.499179	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	10.404792	1165.091	177.258015	15.337003	1475.479	382.190226	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	11.313005	1176.097	178.166228	16.016761	1487.715	382.869984	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	12.204200	1187.337	179.057423	16.685353	1500.119	383.538577	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	13.078511	1198.806	179.931735	17.342909	1512.685	384.196132	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	13.936095	1210.497	180.789318	17.989562	1525.410	384.842785	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	14.777123	1222.403	181.630346	18.625451	1538.290	385.478674	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	15.601785	1234.518	182.455008	19.250719	1551.321	386.103942	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	15.883436	1238.759	182.736659	19.464685	1555.865	386.317908	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	16.410719	1246.826	183.263942	19.865881	1564.488	386.719104	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	17.209853	1259.179	184.063076	20.475926	1577.654	387.329149	12.704

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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110
Distancia: 326.579 Azimut: 233.146777
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	18.008469	1271.347	184.861692	21.088636	1590.597	387.941859	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	18.611761	1280.199	185.464984	21.553849	1600.011	388.407072	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	18.815272	1283.091	185.668495	21.711268	1603.088	388.564491	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	19.635366	1294.242	186.488589	22.348014	1614.959	389.201237	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	19.790956	1296.269	186.644179	22.469228	1617.118	389.322451	14.135

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BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257
Distancia: 326.579 Azimut: 33.146777
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	34.655188	501.763	1.508411	37.463614	175.447	204.316837	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	32.191451	506.195	399.044674	30.455327	179.720	197.308550	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	31.731318	507.116	398.584541	29.173587	180.764	196.026810	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	29.701995	508.271	396.555218	23.548741	183.025	190.401964	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	27.216256	510.402	394.069479	16.867894	187.713	183.721118	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	26.016114	511.717	392.869337	13.755188	190.711	180.608411	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	24.741922	511.990	391.595146	10.448708	193.099	177.301931	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	22.393901	505.700	389.247125	3.912701	191.793	170.765924	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	20.617122	491.625	387.470346	397.905827	182.865	164.759050	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	19.969533	479.362	386.822756	394.649127	173.280	161.502350	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	19.770410	472.810	386.623633	393.169079	167.855	160.022302	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	19.143650	453.336	385.996873	388.152540	152.321	155.005764	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	18.460700	433.910	385.313923	382.045070	137.941	148.898293	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	17.713829	414.539	384.567053	374.604091	125.116	141.457314	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	16.893862	395.231	383.747085	365.620094	114.369	132.473317	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	16.704143	391.026	383.557366	363.443510	112.361	130.296734	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	15.980083	376.012	382.833306	355.023882	106.389	121.877105	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	14.868161	357.065	381.721384	343.056887	102.355	109.910110	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	13.836916	343.566	380.690139	333.955567	102.628	100.808791	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	13.399085	338.753	380.252309	330.689151	103.480	97.542374	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	11.442016	321.525	378.295239	319.412636	110.060	86.265859	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	8.946842	305.755	375.800065	310.254170	121.200	77.107394	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	5.889136	291.830	372.742359	303.416863	135.698	70.270086	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	2.274508	280.160	369.127731	298.613130	152.489	65.466353	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	398.151919	271.146	365.005142	295.421470	170.772	62.274694	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	393.623114	265.144	360.476337	293.457808	189.977	60.311031	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	388.841982	262.414	355.695205	292.420227	209.703	59.273450	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	383.999528	263.085	350.852751	292.084011	229.662	58.937234	8.144

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257
Distancia: 326.579 Azimut: 33.146777
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	379.296344	267.124	346.149567	292.284648	249.640	59.137871	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	374.911573	274.348	341.764796	292.901612	269.474	59.754835	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	370.979562	284.452	337.832785	293.845831	289.033	60.699054	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	367.580687	297.058	334.433910	295.050660	308.211	61.903884	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	364.745398	311.756	331.598622	296.465556	326.918	63.318779	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	362.465877	328.144	329.319100	298.051649	345.075	64.904872	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	360.709461	345.845	327.562684	299.778637	362.614	66.631861	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	359.430183	364.521	326.283407	301.622594	379.474	68.475817	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	358.577103	383.875	325.430326	303.564385	395.600	70.417608	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	358.125874	402.010	324.979097	305.419112	409.710	72.272335	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	358.099566	403.648	324.952789	305.588520	410.942	72.441743	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	357.951576	418.025	324.804800	307.083634	421.528	73.936857	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	357.926677	423.612	324.779900	307.665332	425.561	74.518555	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	357.961160	443.607	324.814383	309.745627	439.706	76.598850	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	358.169650	463.548	325.022873	311.824283	453.393	78.677506	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	358.305892	472.017	325.159115	312.710208	459.087	79.563431	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	358.528271	483.366	325.381494	313.900346	466.618	80.753569	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	358.990100	503.042	325.843323	315.954578	479.540	82.807801	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	359.214247	511.826	326.067471	316.859663	485.311	83.712886	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	359.496102	522.622	326.349325	317.956214	492.445	84.809437	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	360.019700	542.137	326.872924	319.893657	505.463	86.746880	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	360.558330	561.584	327.411554	321.770755	518.582	88.623978	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	361.110434	580.960	327.963658	323.591569	531.788	90.444792	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	361.674662	600.263	328.527885	325.359872	545.068	92.213095	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	362.249838	619.489	329.103061	327.079160	558.410	93.932383	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	362.834932	638.634	329.688155	328.752671	571.802	95.605894	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	363.429041	657.697	330.282264	330.383403	585.234	97.236626	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	364.031365	676.675	330.884588	331.974132	598.697	98.827355	7.402

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PROYECTO : BAIX LLOBREGAT
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BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257
Distancia: 326.579 Azimut: 33.146777
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	364.641198	695.564	331.494422	333.527424	612.180	100.380647	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	365.257912	714.362	332.111135	335.045655	625.676	101.898878	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	365.880946	733.065	332.734169	336.531025	639.178	103.384248	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	366.507702	751.611	333.360925	337.980791	652.631	104.834014	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	366.509799	751.672	333.363022	337.985570	652.676	104.838793	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	367.142875	770.185	333.996098	339.410205	666.176	106.263428	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	367.774327	788.631	334.627550	340.801965	679.726	107.655188	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	368.397808	807.041	335.251031	342.157049	693.381	109.010272	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	369.007547	825.450	335.860770	343.471746	707.197	110.324969	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	369.598257	843.890	336.451480	344.742398	721.226	111.595621	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	369.730471	848.125	336.583694	345.027094	724.477	111.880317	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	370.165516	862.389	337.018739	345.965791	735.513	112.819014	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	370.708920	880.954	337.562143	347.142160	750.060	113.995383	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	371.229858	899.580	338.083081	348.273395	764.854	115.126618	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	371.729629	918.264	338.582853	349.361371	779.880	116.214594	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	372.209440	937.002	339.062663	350.407922	795.126	117.261145	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	372.670412	955.792	339.523635	351.414836	810.578	118.268059	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	373.113586	974.629	339.966809	352.383846	826.225	119.237069	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	373.539935	993.513	340.393158	353.316628	842.057	120.169851	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	373.656024	998.789	340.509248	353.570668	846.506	120.423891	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	373.952426	1012.427	340.805649	354.216866	858.042	121.070089	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	374.373249	1031.251	341.226472	355.107590	873.953	121.960813	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	374.833199	1049.781	341.686422	356.020494	889.446	122.873717	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	374.856880	1050.664	341.710103	356.065619	890.177	122.918842	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	375.355366	1067.792	342.208589	356.979006	904.194	123.832229	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	375.940370	1085.169	342.793593	357.984004	918.084	124.837227	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	376.582977	1101.842	343.436201	359.030684	931.074	125.883907	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	377.278231	1117.745	344.131454	360.114592	943.126	126.967815	14.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257
Distancia: 326.579 Azimut: 33.146777
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	378.021441	1132.819	344.874664	361.231587	954.206	128.048810		15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	378.808171	1147.010	345.661394	362.377799	964.282	129.231023		15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	379.634220	1160.266	346.487444	363.549601	973.328	130.402824		16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	380.495610	1172.544	347.348833	364.743571	981.318	131.596794		16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	381.388559	1183.801	348.241782	365.956464	988.233	132.809687		15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	382.309468	1194.001	349.162691	367.185187	994.052	134.038411		15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	383.254900	1203.111	350.108123	368.426773	998.762	135.279996		14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	384.221560	1211.102	351.074783	369.678353	1002.351	136.531576		13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	385.206278	1217.950	352.059501	370.937137	1004.809	137.790360		12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	386.205990	1223.633	353.059213	372.200391	1006.131	139.053614		11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	386.804533	1226.445	353.657756	372.950322	1006.376	139.803545		10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	387.217652	1228.141	354.070875	373.465419	1006.318	140.318642		10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	388.236290	1231.695	355.089513	374.730196	1005.610	141.583419		9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	389.256021	1234.819	356.109244	375.995190	1004.544	142.848413		8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	389.624616	1235.951	356.477840	376.453618	1004.177	143.306842		8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	390.272389	1238.037	357.125612	377.261987	1003.649	144.115210		7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	391.283273	1241.565	358.136496	378.530537	1003.148	145.383760		7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	392.288177	1245.403	359.141400	379.799850	1003.046	146.653073		7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	393.286659	1249.550	360.139882	381.068918	1003.342	147.922141		7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	394.278293	1254.003	361.131516	382.336733	1004.037	149.189956		7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	395.262673	1258.757	362.115896	383.602293	1005.129	150.455517		7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	396.239414	1263.810	363.092637	384.864609	1006.617	151.717832		7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	397.208150	1269.158	364.061373	386.122704	1008.501	152.975927		7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	398.168536	1274.797	365.021759	387.375622	1010.776	154.228845		7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	398.309638	1275.655	365.162861	387.560158	1011.145	154.413381		7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	399.119364	1280.780	365.972587	388.621901	1013.498	155.475125		8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	0.058607	1287.195	366.911831	389.859357	1016.763	156.712580		8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	0.985618	1294.037	367.838841	391.086477	1020.566	157.939700		8.255

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BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257
Distancia: 326.579 Azimut: 33.146777
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	1.899818	1301.300	368.753041	392.301828	1024.902	159.155051	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	2.800677	1308.976	369.653901	393.504049	1029.763	160.357272	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	3.687711	1317.057	370.540934	394.691856	1035.141	161.545079	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	4.560481	1325.535	371.413704	395.864051	1041.029	162.717274	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	5.418594	1334.403	372.271817	397.019520	1047.417	163.872743	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	6.261702	1343.651	373.114926	398.157242	1054.296	165.010465	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	7.089503	1353.272	373.942726	399.276288	1061.655	166.129511	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	7.901735	1363.257	374.754958	0.375821	1069.485	167.229044	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	8.216564	1367.278	375.069787	0.802339	1072.688	167.655562	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	8.698894	1373.572	375.552117	1.455834	1077.748	168.309057	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	9.483747	1384.110	376.336970	2.518797	1086.327	169.372020	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	10.256623	1394.855	377.109846	3.564816	1095.204	170.418039	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	11.017573	1405.802	377.870796	4.593741	1104.373	171.446964	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	11.766659	1416.947	378.619882	5.605463	1113.825	172.458687	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	12.503952	1428.285	379.357175	6.599913	1123.553	173.453136	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	13.229536	1439.812	380.082759	7.577056	1133.551	174.430279	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	13.943503	1451.523	380.796726	8.536891	1143.811	175.390114	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	14.645956	1463.413	381.499179	9.479450	1154.327	176.332673	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	15.337003	1475.479	382.190226	10.404792	1165.091	177.258015	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	16.016761	1487.715	382.869984	11.313005	1176.097	178.166228	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	16.685353	1500.119	383.538577	12.204200	1187.337	179.057423	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	17.342909	1512.685	384.196132	13.078511	1198.806	179.931735	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	17.989562	1525.410	384.842785	13.936095	1210.497	180.789318	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	18.625451	1538.290	385.478674	14.777123	1222.403	181.630346	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	19.250719	1551.321	386.103942	15.601785	1234.518	182.455008	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	19.464685	1555.865	386.317908	15.883436	1238.759	182.736659	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	19.865881	1564.488	386.719104	16.410719	1246.826	183.263942	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	20.475926	1577.654	387.329149	17.209853	1259.179	184.063076	12.704

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257
Distancia: 326.579 Azimut: 33.146777
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	21.088636	1590.597	387.941859	18.008469	1271.347	184.861692	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	21.553849	1600.011	388.407072	18.611761	1280.199	185.464984	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	21.711268	1603.088	388.564491	18.815272	1283.091	185.668495	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	22.348014	1614.959	389.201237	19.635366	1294.242	186.488589	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	22.469228	1617.118	389.322451	19.790956	1296.269	186.644179	14.135

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 739.440 Azimut: 166.956272
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	120.841702	661.802	353.885430	34.655188	501.763	67.698915	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	120.033113	643.601	353.076841	32.191451	506.195	65.235179	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	119.875298	640.177	352.919026	31.731318	507.116	64.775046	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	119.479645	624.436	352.523373	29.701995	508.271	62.745723	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	118.963602	605.066	352.007330	27.216256	510.402	60.259984	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	118.700597	595.664	351.744325	26.016114	511.717	59.059841	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	118.554448	585.506	351.598176	24.741922	511.990	57.785650	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	119.093301	566.323	352.137029	22.393901	505.700	55.437629	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	120.654400	552.049	353.698128	20.617122	491.625	53.660850	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	122.084148	547.318	355.127876	19.969533	479.362	53.013261	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	122.853530	546.098	355.897258	19.770410	472.810	52.814138	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	125.162634	542.941	358.206362	19.143650	453.336	52.187378	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	127.495638	540.506	360.539366	18.460700	433.910	51.504428	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	129.846566	538.803	362.890294	17.713829	414.539	50.757557	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	132.209158	537.839	365.252886	16.893862	395.231	49.937589	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	132.725724	537.727	365.769452	16.704143	391.026	49.747871	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	134.576991	537.558	367.620719	15.980083	376.012	49.023810	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	136.945693	537.429	369.989421	14.868161	357.065	47.911889	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	138.680197	536.998	371.723924	13.836916	343.566	46.880643	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	139.314277	536.705	372.358005	13.399085	338.753	46.442813	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	141.679979	534.880	374.723706	11.442016	321.525	44.485743	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	144.039808	531.910	377.083535	8.946842	305.755	41.990569	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	146.390823	527.803	379.434551	5.889136	291.830	38.932864	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	148.729932	522.570	381.773660	2.274508	280.160	35.318236	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	151.053830	516.223	384.097558	398.151919	271.146	31.195647	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	153.358939	508.781	386.402667	393.623114	265.144	26.666842	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	155.641327	500.261	388.685055	388.841982	262.414	21.885710	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	157.896619	490.687	390.940346	383.999528	263.085	17.043256	8.144

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 739.440 Azimut: 166.956272
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	160.119889	480.084	393.163617	379.296344	267.124	12.340072	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	162.305527	468.481	395.349254	374.911573	274.348	7.955301	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	164.447072	455.910	397.490799	370.979562	284.452	4.023289	10.526

CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	166.537006	442.406	399.580734	367.580687	297.058	0.624415	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	168.566493	428.009	1.610221	364.745398	311.756	397.789126	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	170.525036	412.761	3.568764	362.465877	328.144	395.509604	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	172.400047	396.708	5.443775	360.709461	345.845	393.753189	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	174.176266	379.904	7.219994	359.430183	364.521	392.473911	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	175.835005	362.404	8.878733	358.577103	383.875	391.620831	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	177.234122	345.788	10.277850	358.125874	402.010	391.169602	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	177.353139	344.273	10.396867	358.099566	403.648	391.143294	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	178.355489	330.880	11.399217	357.951576	418.025	390.995304	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	178.730334	325.635	11.774062	357.926677	423.612	390.970404	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	180.015522	306.684	13.059250	357.961160	443.607	391.004888	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	181.198667	287.464	14.242394	358.169650	463.548	391.213377	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	181.666584	279.194	14.710312	358.305892	472.017	391.349619	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	182.259155	268.009	15.302883	358.528271	483.366	391.571998	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	183.223456	248.396	16.267183	358.990100	503.042	392.033827	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	183.645713	239.580	16.689441	359.214247	511.826	392.257975	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	184.173157	228.715	17.216885	359.496102	522.622	392.539830	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	185.160498	209.005	18.204226	360.019700	542.137	393.063428	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	186.199334	189.271	19.243061	360.558330	561.584	393.602058	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	187.307725	169.516	20.351453	361.110434	580.960	394.154162	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	188.513288	149.745	21.557016	361.674662	600.263	394.718390	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	189.860459	129.964	22.904187	362.249838	619.489	395.293566	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	191.425561	110.182	24.469289	362.834932	638.634	395.878660	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	193.351542	90.412	26.395270	363.429041	657.697	396.472769	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	195.940406	70.679	28.984134	364.031365	676.675	397.075093	7.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 739.440 Azimut: 166.956272
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	199.956202	51.041	32.999929	364.641198	695.564	397.684926	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	208.012672	31.699	41.056400	365.257912	714.362	398.301640	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	236.264405	13.975	69.308133	365.880946	733.065	398.924674	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	340.791978	13.256	173.835706	366.507702	751.611	399.551430	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	341.016752	13.303	174.060480	366.509799	751.672	399.553526	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	371.622884	30.825	204.666612	367.142875	770.185	0.186603	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	379.906768	50.160	212.950495	367.774327	788.631	0.818054	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	383.811794	69.828	216.855521	368.397808	807.041	1.441535	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	386.135599	89.618	219.179327	369.007547	825.450	2.051275	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	387.680671	109.473	220.724399	369.598257	843.890	2.641985	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	387.962385	114.031	221.006113	369.730471	848.125	2.774198	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	388.764215	129.370	221.807943	370.165516	862.389	3.209244	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	389.558800	149.295	222.602528	370.708920	880.954	3.752648	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	390.166200	169.237	223.209927	371.229858	899.580	4.273586	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	390.645507	189.192	223.689235	371.729629	918.264	4.773357	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	391.033336	209.155	224.077064	372.209440	937.002	5.253168	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	391.353572	229.125	224.397300	372.670412	955.792	5.714140	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	391.622456	249.099	224.666184	373.113586	974.629	6.157314	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	391.851416	269.078	224.895144	373.539935	993.513	6.583662	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	391.909361	274.653	224.953089	373.656024	998.789	6.699752	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	392.056359	289.057	225.100087	373.952426	1012.427	6.996154	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	392.317611	309.019	225.361339	374.373249	1031.251	7.416977	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	392.731555	328.908	225.775282	374.833199	1049.781	7.876927	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	392.756751	329.865	225.800479	374.856880	1050.664	7.900608	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	393.357363	348.624	226.401091	375.355366	1067.792	8.399093	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	394.177193	368.080	227.220921	375.940370	1085.169	8.984098	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	395.159347	387.208	228.203075	376.582977	1101.842	9.626705	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	396.278316	405.949	229.322044	377.278231	1117.745	10.321959	14.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 739.440 Azimut: 166.956272
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	397.513392	424.252	230.557120	378.021441	1132.819	11.065169	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	398.847624	442.068	231.891352	378.808171	1147.010	11.851898	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	0.267020	459.356	233.310748	379.634220	1160.266	12.677948	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	1.759935	476.075	234.803663	380.495610	1172.544	13.539338	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	3.316606	492.191	236.360334	381.388559	1183.801	14.432287	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	4.928784	507.669	237.972512	382.309468	1194.001	15.353196	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	6.589447	522.478	239.633175	383.254900	1203.111	16.298628	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	8.292578	536.591	241.336306	384.221560	1211.102	17.265288	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	10.032984	549.979	243.076711	385.206278	1217.950	18.250006	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	11.806151	562.619	244.849879	386.205990	1223.633	19.249717	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	12.871215	569.750	245.914943	386.804533	1226.445	19.848261	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	13.607730	574.493	246.651457	387.217652	1228.141	20.261380	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	15.419660	585.777	248.463388	388.236290	1231.695	21.280018	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	17.208934	596.903	250.252662	389.256021	1234.819	22.299749	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	17.845052	600.980	250.888780	389.624616	1235.951	22.668344	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	18.945258	608.301	251.988986	390.272389	1238.037	23.316117	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	20.616792	620.131	253.660520	391.283273	1241.565	24.327000	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	22.224683	632.373	255.268411	392.288177	1245.403	25.331905	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	23.770562	645.002	256.814290	393.286659	1249.550	26.330386	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	25.256227	657.998	258.299955	394.278293	1254.003	27.322020	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	26.683604	671.337	259.727332	395.262673	1258.757	28.306401	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	28.054704	685.001	261.098432	396.239414	1263.810	29.283142	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	29.371591	698.970	262.415319	397.208150	1269.158	30.251878	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	30.636357	713.226	263.680085	398.168536	1274.797	31.212263	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	30.818848	715.355	263.862576	398.309638	1275.655	31.353366	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	31.847361	727.792	264.891089	399.119364	1280.780	32.163092	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	33.000270	742.716	266.043998	0.058607	1287.195	33.102335	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	34.097119	757.977	267.140847	0.985618	1294.037	34.029346	8.255

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 739.440 Azimut: 166.956272
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	35.140083	773.554	268.183811	1.899818	1301.300	34.943546	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	36.131346	789.426	269.175074	2.800677	1308.976	35.844405	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	37.073075	805.577	270.116803	3.687711	1317.057	36.731439	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	37.967407	821.988	271.011135	4.560481	1325.535	37.604209	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	38.816432	838.643	271.860160	5.418594	1334.403	38.462322	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	39.622186	855.527	272.665914	6.261702	1343.651	39.305430	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	40.386642	872.625	273.430370	7.089503	1353.272	40.133231	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	41.111704	889.924	274.155432	7.901735	1363.257	40.945463	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	41.386214	896.774	274.429942	8.216564	1367.278	41.260292	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	41.801020	907.398	274.844748	8.698894	1373.572	41.742622	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	42.463465	924.980	275.507193	9.483747	1384.110	42.527474	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	43.101132	942.658	276.144859	10.256623	1394.855	43.300351	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	43.715262	960.427	276.758990	11.017573	1405.802	44.061301	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	44.307028	978.283	277.350756	11.766659	1416.947	44.810386	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	44.877532	996.220	277.921260	12.503952	1428.285	45.547679	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	45.427813	1014.234	278.471541	13.229536	1439.812	46.273263	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	45.958850	1032.321	279.002578	13.943503	1451.523	46.987231	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	46.471564	1050.478	279.515292	14.645956	1463.413	47.689684	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	46.966825	1068.700	280.010553	15.337003	1475.479	48.380731	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	47.445452	1086.985	280.489180	16.016761	1487.715	49.060489	8.943

RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	47.908218	1105.329	280.951946	16.685353	1500.119	49.729081	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	48.355851	1123.730	281.399579	17.342909	1512.685	50.386637	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	48.789040	1142.185	281.832768	17.989562	1525.410	51.033290	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	49.208435	1160.691	282.252163	18.625451	1538.290	51.669179	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	49.614649	1179.245	282.658377	19.250719	1551.321	52.294447	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	49.752281	1185.678	282.796009	19.464685	1555.865	52.508413	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	50.008940	1197.841	283.052668	19.865881	1564.488	52.909609	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	50.400622	1216.411	283.444349	20.475926	1577.654	53.519654	12.704

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 739.440 Azimut: 166.956272
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 426.069 Dis=-262.257

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	50.803732	1234.843	283.847460	21.088636	1590.597	54.132364	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	51.121121	1248.489	284.164849	21.553849	1600.011	54.597577	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	51.231269	1253.013	284.274997	21.711268	1603.088	54.754996	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	51.690824	1270.816	284.734552	22.348014	1614.959	55.391742	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	51.780706	1274.118	284.824433	22.469228	1617.118	55.512956	14.135

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 639.389 Azimut: 137.922528
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	120.841702	661.802	382.919174	37.463614	175.447	99.541086	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	120.033113	643.601	382.110585	30.455327	179.720	92.532799	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	119.875298	640.177	381.952770	29.173587	180.764	91.251058	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	119.479645	624.436	381.557117	23.548741	183.025	85.626213	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	118.963602	605.066	381.041074	16.867894	187.713	78.945366	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	118.700597	595.664	380.778069	13.755188	190.711	75.832660	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	118.554448	585.506	380.631920	10.448708	193.099	72.526180	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	119.093301	566.323	381.170773	3.912701	191.793	65.990173	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	120.654400	552.049	382.731872	397.905827	182.865	59.983298	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	122.084148	547.318	384.161620	394.649127	173.280	56.726598	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	122.853530	546.098	384.931002	393.169079	167.855	55.246551	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	125.162634	542.941	387.240106	388.152540	152.321	50.230012	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	127.495638	540.506	389.573110	382.045070	137.941	44.122541	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	129.846566	538.803	391.924038	374.604091	125.116	36.681563	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	132.209158	537.839	394.286630	365.620094	114.369	27.697565	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	132.725724	537.727	394.803196	363.443510	112.361	25.520982	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	134.576991	537.558	396.654463	355.023882	106.389	17.101354	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	136.945693	537.429	399.023165	343.056887	102.355	5.134359	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	138.680197	536.998	0.757668	333.955567	102.628	396.033039	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	139.314277	536.705	1.391749	330.689151	103.480	392.766623	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	141.679979	534.880	3.757450	319.412636	110.060	381.490108	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	144.039808	531.910	6.117279	310.254170	121.200	372.331642	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	146.390823	527.803	8.468295	303.416863	135.698	365.494335	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	148.729932	522.570	10.807404	298.613130	152.489	360.690602	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	151.053830	516.223	13.131302	295.421470	170.772	357.498942	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	153.358939	508.781	15.436411	293.457808	189.977	355.535279	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	155.641327	500.261	17.718799	292.420227	209.703	354.497698	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	157.896619	490.687	19.974090	292.084011	229.662	354.161483	8.144

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 639.389 Azimut: 137.922528
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	160.119889	480.084	22.197361	292.284648	249.640	354.362119	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	162.305527	468.481	24.382998	292.901612	269.474	354.979084	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	164.447072	455.910	26.524543	293.845831	289.033	355.923303	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	166.537006	442.406	28.614478	295.050660	308.211	357.128132	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	168.566493	428.009	30.643965	296.465556	326.918	358.543028	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	170.525036	412.761	32.602508	298.051649	345.075	360.129120	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	172.400047	396.708	34.477519	299.778637	362.614	361.856109	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	174.176266	379.904	36.253738	301.622594	379.474	363.700066	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	175.835005	362.404	37.912477	303.564385	395.600	365.641856	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	177.234122	345.788	39.311594	305.419112	409.710	367.496584	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	177.353139	344.273	39.430611	305.588520	410.942	367.665992	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	178.355489	330.880	40.432961	307.083634	421.528	369.161106	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	178.730334	325.635	40.807806	307.665332	425.561	369.742804	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	180.015522	306.684	42.092994	309.745627	439.706	371.823098	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	181.198667	287.464	43.276138	311.824283	453.393	373.901755	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	181.666584	279.194	43.744056	312.710208	459.087	374.787680	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	182.259155	268.009	44.336627	313.900346	466.618	375.977818	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	183.223456	248.396	45.300927	315.954578	479.540	378.032049	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	183.645713	239.580	45.723185	316.859663	485.311	378.937134	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	184.173157	228.715	46.250629	317.956214	492.445	380.033686	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	185.160498	209.005	47.237970	319.893657	505.463	381.971129	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	186.199334	189.271	48.276805	321.770755	518.582	383.848226	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	187.307725	169.516	49.385197	323.591569	531.788	385.669041	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	188.513288	149.745	50.590760	325.359872	545.068	387.437344	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	189.860459	129.964	51.937931	327.079160	558.410	389.156632	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	191.425561	110.182	53.503033	328.752671	571.802	390.830143	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	193.351542	90.412	55.429014	330.383403	585.234	392.460875	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	195.940406	70.679	58.017877	331.974132	598.697	394.051604	7.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 639.389 Azimut: 137.922528
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	199.956202	51.041	62.033673	333.527424	612.180	395.604896	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	208.012672	31.699	70.090144	335.045655	625.676	397.123127	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	236.264405	13.975	98.341877	336.531025	639.178	398.608497	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	340.791978	13.256	202.869450	337.980791	652.631	0.058263	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	341.016752	13.303	203.094224	337.985570	652.676	0.063041	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	371.622884	30.825	233.700356	339.410205	666.176	1.487677	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	379.906768	50.160	241.984239	340.801965	679.726	2.879437	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	383.811794	69.828	245.889265	342.157049	693.381	4.234520	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	386.135599	89.618	248.213071	343.471746	707.197	5.549218	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	387.680671	109.473	249.758143	344.742398	721.226	6.819870	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	387.962385	114.031	250.039857	345.027094	724.477	7.104566	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	388.764215	129.370	250.841687	345.965791	735.513	8.043263	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	389.558800	149.295	251.636272	347.142160	750.060	9.219632	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	390.166200	169.237	252.243671	348.273395	764.854	10.350867	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	390.645507	189.192	252.722979	349.361371	779.880	11.438843	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	391.033336	209.155	253.110808	350.407922	795.126	12.485394	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	391.353572	229.125	253.431044	351.414836	810.578	13.492308	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	391.622456	249.099	253.699928	352.383846	826.225	14.461318	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	391.851416	269.078	253.928888	353.316628	842.057	15.394100	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	391.909361	274.653	253.986833	353.570668	846.506	15.648140	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	392.056359	289.057	254.133831	354.216866	858.042	16.294338	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	392.317611	309.019	254.395083	355.107590	873.953	17.185062	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	392.731555	328.908	254.809026	356.020494	889.446	18.097965	10.936

CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	392.756751	329.865	254.834223	356.065619	890.177	18.143091	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	393.357363	348.624	255.434835	356.979006	904.194	19.056478	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	394.177193	368.080	256.254665	357.984004	918.084	20.061476	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	395.159347	387.208	257.236819	359.030684	931.074	21.108155	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	396.278316	405.949	258.355788	360.114592	943.126	22.192064	14.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 639.389 Azimut: 137.922528
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	397.513392	424.252	259.590864	361.231587	954.206	23.309058	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	398.847624	442.068	260.925096	362.377799	964.282	24.455271	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	0.267020	459.356	262.344492	363.549601	973.328	25.627073	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	1.759935	476.075	263.837407	364.743571	981.318	26.821042	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	3.316606	492.191	265.394078	365.956464	988.233	28.033936	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	4.928784	507.669	267.006255	367.185187	994.052	29.262659	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	6.589447	522.478	268.666918	368.426773	998.762	30.504245	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	8.292578	536.591	270.370050	369.678353	1002.351	31.755825	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	10.032984	549.979	272.110455	370.937137	1004.809	33.014609	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	11.806151	562.619	273.883623	372.200391	1006.131	34.277863	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	12.871215	569.750	274.948687	372.950322	1006.376	35.027794	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	13.607730	574.493	275.685201	373.465419	1006.318	35.542891	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	15.419660	585.777	277.497132	374.730196	1005.610	36.807667	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	17.208934	596.903	279.286406	375.995190	1004.544	38.072662	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	17.845052	600.980	279.922524	376.453618	1004.177	38.531090	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	18.945258	608.301	281.022730	377.261987	1003.649	39.339459	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	20.616792	620.131	282.694264	378.530537	1003.148	40.608009	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	22.224683	632.373	284.302155	379.799850	1003.046	41.877322	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	23.770562	645.002	285.848034	381.068918	1003.342	43.146390	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	25.256227	657.998	287.333699	382.336733	1004.037	44.414205	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	26.683604	671.337	288.761076	383.602293	1005.129	45.679765	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	28.054704	685.001	290.132176	384.864609	1006.617	46.942081	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	29.371591	698.970	291.449063	386.122704	1008.501	48.200175	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	30.636357	713.226	292.713829	387.375622	1010.776	49.453094	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	30.818848	715.355	292.896320	387.560158	1011.145	49.637629	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	31.847361	727.792	293.924833	388.621901	1013.498	50.699373	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	33.000270	742.716	295.077742	389.859357	1016.763	51.936829	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	34.097119	757.977	296.174591	391.086477	1020.566	53.163949	8.255

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 639.389 Azimut: 137.922528
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	35.140083	773.554	297.217555	392.301828	1024.902	54.379300	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	36.131346	789.426	298.208818	393.504049	1029.763	55.581521	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	37.073075	805.577	299.150547	394.691856	1035.141	56.769328	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	37.967407	821.988	300.044879	395.864051	1041.029	57.941522	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	38.816432	838.643	300.893904	397.019520	1047.417	59.096992	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	39.622186	855.527	301.699658	398.157242	1054.296	60.234714	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	40.386642	872.625	302.464114	399.276288	1061.655	61.353760	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	41.111704	889.924	303.189176	0.375821	1069.485	62.453293	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	41.386214	896.774	303.463686	0.802339	1072.688	62.879811	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	41.801020	907.398	303.878492	1.455834	1077.748	63.533306	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	42.463465	924.980	304.540937	2.518797	1086.327	64.596269	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	43.101132	942.658	305.178603	3.564816	1095.204	65.642288	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	43.715262	960.427	305.792734	4.593741	1104.373	66.671213	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	44.307028	978.283	306.384499	5.605463	1113.825	67.682935	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	44.877532	996.220	306.955004	6.599913	1123.553	68.677385	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	45.427813	1014.234	307.505285	7.577056	1133.551	69.654528	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	45.958850	1032.321	308.036322	8.536891	1143.811	70.614363	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	46.471564	1050.478	308.549036	9.479450	1154.327	71.556922	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	46.966825	1068.700	309.044297	10.404792	1165.091	72.482264	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	47.445452	1086.985	309.522924	11.313005	1176.097	73.390476	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	47.908218	1105.329	309.985690	12.204200	1187.337	74.281671	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	48.355851	1123.730	310.433323	13.078511	1198.806	75.155983	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	48.789040	1142.185	310.866512	13.936095	1210.497	76.013567	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	49.208435	1160.691	311.285907	14.777123	1222.403	76.854594	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	49.614649	1179.245	311.692121	15.601785	1234.518	77.679257	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	49.752281	1185.678	311.829753	15.883436	1238.759	77.960908	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	50.008940	1197.841	312.086412	16.410719	1246.826	78.488191	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	50.400622	1216.411	312.478093	17.209853	1259.179	79.287325	12.704

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PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 639.389 Azimut: 137.922528
BO : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 266.028 Dis=-102.110

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	50.803732	1234.843	312.881204	18.008469	1271.347	80.085941	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	51.121121	1248.489	313.198593	18.611761	1280.199	80.689233	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	51.231269	1253.013	313.308741	18.815272	1283.091	80.892744	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	51.690824	1270.816	313.768296	19.635366	1294.242	81.712838	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	51.780706	1274.118	313.858177	19.790956	1296.269	81.868428	14.135

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 266.198 Azimut: 395.905281
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	120.841702	661.802	124.936421	140.689573	802.093	344.784292	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	120.033113	643.601	124.127832	140.512051	782.216	344.606770	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	119.875298	640.177	123.970017	140.477517	778.464	344.572236	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	119.479645	624.436	123.574364	140.588600	762.295	344.683319	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	118.963602	605.066	123.058321	140.732195	742.368	344.826914	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	118.700597	595.664	122.795316	140.804830	732.680	344.899549	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	118.554448	585.506	122.649167	140.998031	722.673	345.092750	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	119.093301	566.323	123.188020	142.001065	706.394	346.095784	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	120.654400	552.049	124.749119	143.620777	697.870	347.715496	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	122.084148	547.318	126.178868	144.826829	697.779	348.921548	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	122.853530	546.098	126.948249	145.430154	698.937	349.524873	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	125.162634	542.941	129.257353	147.213541	702.754	351.308261	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	127.495638	540.506	131.590357	148.976294	707.117	353.071013	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	129.846566	538.803	133.941285	150.716114	712.015	354.810833	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	132.209158	537.839	136.303877	152.430903	717.437	356.525622	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	132.725724	537.727	136.820443	152.801645	718.689	356.896364	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	134.576991	537.558	138.671710	154.120380	723.314	358.215099	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	136.945693	537.429	141.040412	155.797687	729.132	359.892406	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	138.680197	536.998	142.774916	157.029097	732.935	361.123816	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	139.314277	536.705	143.408996	157.481406	734.166	361.576125	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	141.679979	534.880	145.774698	159.179951	737.917	363.274670	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	144.039808	531.910	148.134527	160.889467	740.325	364.984186	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	146.390823	527.803	150.485542	162.605093	741.380	366.699812	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	148.729932	522.570	152.824651	164.322047	741.080	368.416766	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	151.053830	516.223	155.148549	166.035564	739.426	370.130283	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	153.358939	508.781	157.453658	167.740834	736.423	371.835553	7.454

CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	155.641327	500.261	159.736046	169.432941	732.081	373.527660	7.709		
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	157.896619	490.687	161.991338	171.106793	726.417	375.201512	8.144		

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 266.198 Azimut: 395.905281
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	160.119889	480.084	164.214608	172.757058	719.450	376.851777	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	162.305527	468.481	166.400246	174.378084	711.206	378.472803	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	164.447072	455.910	168.541791	175.963818	701.715	380.058537	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	166.537006	442.406	170.631725	177.507716	691.013	381.602435	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	168.566493	428.009	172.661212	179.002635	679.141	383.097354	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	170.525036	412.761	174.619755	180.440721	666.147	384.535440	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	172.400047	396.708	176.494766	181.813269	652.083	385.907988	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	174.176266	379.904	178.270985	183.110572	637.009	387.205291	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	175.835005	362.404	179.929724	184.321749	620.993	388.416468	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	177.234122	345.788	181.328841	185.346975	605.529	389.441694	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	177.353139	344.273	181.447858	185.434547	604.109	389.529266	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	178.355489	330.880	182.450208	186.173808	591.482	390.268527	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	178.730334	325.635	182.825053	186.450166	586.512	390.544885	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	180.015522	306.684	184.110241	187.396022	568.449	391.490741	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	181.198667	287.464	185.293386	188.268285	549.978	392.363004	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	181.666584	279.194	185.761303	188.615586	541.987	392.710305	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	182.259155	268.009	186.353874	189.059007	531.142	393.153726	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	183.223456	248.396	187.318175	189.784462	512.047	393.879181	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	183.645713	239.580	187.740432	190.099101	503.442	394.193820	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	184.173157	228.715	188.267876	190.484754	492.826	394.579473	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	185.160498	209.005	189.255217	191.181005	473.537	395.275724	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	186.199334	189.271	190.294053	191.873512	454.184	395.968231	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	187.307725	169.516	191.402444	192.561761	434.770	396.656481	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	188.513288	149.745	192.608007	193.245142	415.298	397.339861	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	189.860459	129.964	193.955178	193.922917	395.769	398.017636	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	191.425561	110.182	195.520280	194.594197	376.188	398.688916	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	193.351542	90.412	197.446261	195.257891	356.556	399.352610	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	195.940406	70.679	200.035125	195.912650	336.877	0.007369	7.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 266.198 Azimut: 395.905281
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	199.956202	51.041	204.050921	196.556788	317.153	0.651507	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	208.012672	31.699	212.107391	197.188162	297.387	1.282881	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	236.264405	13.975	240.359124	197.804014	277.581	1.898733	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	340.791978	13.256	344.886697	198.398785	257.805	2.493504	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	341.016752	13.303	345.111471	198.400729	257.739	2.495448	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	371.622884	30.825	375.717603	198.977457	237.866	3.072176	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	379.906768	50.160	384.001487	199.550250	217.971	3.644969	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	383.811794	69.828	387.906513	200.146346	198.066	4.241065	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	386.135599	89.618	390.230319	200.805173	178.161	4.899892	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	387.680671	109.473	391.775390	201.585948	158.267	5.680667	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	387.962385	114.031	392.057105	201.790892	153.710	5.885611	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	388.764215	129.370	392.858934	202.578621	138.401	6.673340	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	389.558800	149.295	393.653519	203.903483	118.579	7.998202	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	390.166200	169.237	394.260919	205.758945	98.830	9.853664	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	390.645507	189.192	394.740226	208.537247	79.206	12.631966	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	391.033336	209.155	395.128055	213.128948	59.832	17.223667	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	391.353572	229.125	395.448291	222.007054	41.062	26.101773	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	391.622456	249.099	395.717175	244.208717	24.339	48.303436	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	391.851416	269.078	395.946135	304.529453	17.281	108.624172	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	391.909361	274.653	396.004080	323.318260	18.959	127.412979	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	392.056359	289.057	396.151078	353.650165	28.350	157.744884	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	392.317611	309.019	396.412330	371.069843	45.769	175.164562	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	392.731555	328.908	396.826274	379.528113	64.421	183.622832	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	392.756751	329.865	396.851470	379.844548	65.331	183.939267	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	393.357363	348.624	397.452082	385.197109	83.322	189.291828	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	394.177193	368.080	398.271912	389.674409	102.235	193.769129	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	395.159347	387.208	399.254066	393.519076	121.068	197.613795	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	396.278316	405.949	0.373035	396.988820	139.764	201.083539	14.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 266.198 Azimut: 395.905281
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	397.513392	424.252	1.608111	0.218455	158.281	204.313174	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	398.847624	442.068	2.942343	3.285219	176.583	207.379938	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	0.267020	459.356	4.361739	6.236503	194.637	210.331222	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	1.759935	476.075	5.854654	9.102981	212.413	213.197700	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	3.316606	492.191	7.411325	11.905379	229.883	216.000098	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	4.928784	507.669	9.023503	14.658202	247.019	218.752922	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	6.589447	522.478	10.684166	17.371909	263.795	221.466628	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	8.292578	536.591	12.387297	20.054228	280.184	224.148947	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	10.032984	549.979	14.127703	22.710997	296.162	226.805716	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	11.806151	562.619	15.900870	25.346708	311.705	229.441427	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	12.871215	569.750	16.965934	26.900821	320.705	230.995540	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	13.607730	574.493	17.702449	27.963966	326.794	232.058685	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	15.419660	585.777	19.514379	30.532627	341.566	234.627346	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	17.208934	596.903	21.303653	32.988286	356.361	237.083005	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	17.845052	600.980	21.939771	33.837949	361.790	237.932668	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	18.945258	608.301	23.039977	35.274954	371.501	239.369673	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	20.616792	620.131	24.711511	37.380640	387.080	241.475359	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	22.224683	632.373	26.319402	39.321455	403.049	243.416174	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	23.770562	645.002	27.865281	41.112818	419.364	245.207537	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	25.256227	657.998	29.350946	42.768819	435.986	246.863538	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	26.683604	671.337	30.778323	44.302236	452.881	248.396955	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	28.054704	685.001	32.149423	45.724599	470.020	249.819318	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	29.371591	698.970	33.466310	47.046274	487.377	251.140993	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	30.636357	713.226	34.731076	48.276558	504.930	252.371278	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	30.818848	715.355	34.913567	48.451020	507.537	252.545739	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	31.847361	727.792	35.942080	49.417475	522.685	253.512194	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	33.000270	742.716	37.094990	50.466321	540.665	254.561040	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	34.097119	757.977	38.191838	51.430806	558.849	255.525525	8.255

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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 266.198 Azimut: 395.905281
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	35.140083	773.554	39.234802	52.318084	577.216	256.412803	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	36.131346	789.426	40.226065	53.134627	595.747	257.229347	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	37.073075	805.577	41.167794	53.886290	614.428	257.981009	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	37.967407	821.988	42.062126	54.578361	633.243	258.673080	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	38.816432	838.643	42.911151	55.215626	652.181	259.310345	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	39.622186	855.527	43.716905	55.802415	671.228	259.897134	8.855

CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	40.386642	872.625	44.481361	56.342649	690.376	260.437369		8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	41.111704	889.924	45.206423	56.839883	709.614	260.934602		9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	41.386214	896.774	45.480933	57.024201	717.196	261.118920		9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	41.801020	907.398	45.895739	57.299833	728.927	261.394552		9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	42.463465	924.980	46.558185	57.735000	748.279	261.829719		9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	43.101132	942.658	47.195851	58.148207	767.665	262.242926		9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	43.715262	960.427	47.809981	58.541043	787.081	262.635762		9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	44.307028	978.283	48.401747	58.914951	806.526	263.009670		9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	44.877532	996.220	48.972251	59.271243	825.997	263.365962		9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	45.427813	1014.234	49.522532	59.611113	845.494	263.705832		9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	45.958850	1032.321	50.053569	59.935654	865.013	264.030373		9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	46.471564	1050.478	50.566283	60.245864	884.553	264.340583		9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	46.966825	1068.700	51.061544	60.542658	904.114	264.637377		9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	47.445452	1086.985	51.540171	60.826876	923.693	264.921595		8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	47.908218	1105.329	52.002937	61.099289	943.290	265.194008		8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	48.355851	1123.730	52.450570	61.360609	962.904	265.455329		9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	48.789040	1142.185	52.883759	61.611493	982.533	265.706212		9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	49.208435	1160.691	53.303154	61.852544	1002.177	265.947263		9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	49.614649	1179.245	53.709368	62.084324	1021.835	266.179043		10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	49.752281	1185.678	53.847000	62.162482	1028.642	266.257201		11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	50.008940	1197.841	54.103659	62.308175	1041.503	266.402894		11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	50.400622	1216.411	54.495341	62.535180	1061.148	266.629899		12.704

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327
Distancia: 266.198 Azimut: 395.905281
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	50.803732	1234.843	54.898451	62.782004	1080.712	266.876723	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	51.121121	1248.489	55.215840	62.989220	1095.271	267.083939	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	51.231269	1253.013	55.325988	63.063997	1100.118	267.158716	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	51.690824	1270.816	55.785543	63.390000	1119.292	267.484719	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	51.780706	1274.118	55.875425	63.456078	1122.866	267.550797	14.135

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BR : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076
Distancia: 266.198 Azimut: 195.905281
BO : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	140.689573	802.093	344.784292	120.841702	661.802	124.936421	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	140.512051	782.216	344.606770	120.033113	643.601	124.127832	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	140.477517	778.464	344.572236	119.875298	640.177	123.970017	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	140.588600	762.295	344.683319	119.479645	624.436	123.574364	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	140.732195	742.368	344.826914	118.963602	605.066	123.058321	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	140.804830	732.680	344.899549	118.700597	595.664	122.795316	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	140.998031	722.673	345.092750	118.554448	585.506	122.649167	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	142.001065	706.394	346.095784	119.093301	566.323	123.188020	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	143.620777	697.870	347.715496	120.654400	552.049	124.749119	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	144.826829	697.779	348.921548	122.084148	547.318	126.178868	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	145.430154	698.937	349.524873	122.853530	546.098	126.948249	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	147.213541	702.754	351.308261	125.162634	542.941	129.257353	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	148.976294	707.117	353.071013	127.495638	540.506	131.590357	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	150.716114	712.015	354.810833	129.846566	538.803	133.941285	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	152.430903	717.437	356.525622	132.209158	537.839	136.303877	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	152.801645	718.689	356.896364	132.725724	537.727	136.820443	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	154.120380	723.314	358.215099	134.576991	537.558	138.671710	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	155.797687	729.132	359.892406	136.945693	537.429	141.040412	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	157.029097	732.935	361.123816	138.680197	536.998	142.774916	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	157.481406	734.166	361.576125	139.314277	536.705	143.408996	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	159.179951	737.917	363.274670	141.679979	534.880	145.774698	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	160.889467	740.325	364.984186	144.039808	531.910	148.134527	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	162.605093	741.380	366.699812	146.390823	527.803	150.485542	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	164.322047	741.080	368.416766	148.729932	522.570	152.824651	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	166.035564	739.426	370.130283	151.053830	516.223	155.148549	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	167.740834	736.423	371.835553	153.358939	508.781	157.453658	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	169.432941	732.081	373.527660	155.641327	500.261	159.736046	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	171.106793	726.417	375.201512	157.896619	490.687	161.991338	8.144

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Distancia: 266.198 Azimut: 195.905281
BO : BR515 X: 422283.151 Y: 4575559.168 Z: 7.724 PK: 990.463 Dis= 9.327

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	172.757058	719.450	376.851777	160.119889	480.084	164.214608	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	174.378084	711.206	378.472803	162.305527	468.481	166.400246	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	175.963818	701.715	380.058537	164.447072	455.910	168.541791	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	177.507716	691.013	381.602435	166.537006	442.406	170.631725	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	179.002635	679.141	383.097354	168.566493	428.009	172.661212	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	180.440721	666.147	384.535440	170.525036	412.761	174.619755	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	181.813269	652.083	385.907988	172.400047	396.708	176.494766	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	183.110572	637.009	387.205291	174.176266	379.904	178.270985	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	184.321749	620.993	388.416468	175.835005	362.404	179.929724	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	185.346975	605.529	389.441694	177.234122	345.788	181.328841	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	185.434547	604.109	389.529266	177.353139	344.273	181.447858	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	186.173808	591.482	390.268527	178.355489	330.880	182.450208	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	186.450166	586.512	390.544885	178.730334	325.635	182.825053	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	187.396022	568.449	391.490741	180.015522	306.684	184.110241	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	188.268285	549.978	392.363004	181.198667	287.464	185.293386	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	188.615586	541.987	392.710305	181.666584	279.194	185.761303	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	189.059007	531.142	393.153726	182.259155	268.009	186.353874	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	189.784462	512.047	393.879181	183.223456	248.396	187.318175	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	190.099101	503.442	394.193820	183.645713	239.580	187.740432	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	190.484754	492.826	394.579473	184.173157	228.715	188.267876	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	191.181005	473.537	395.275724	185.160498	209.005	189.255217	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	191.873512	454.184	395.968231	186.199334	189.271	190.294053	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	192.561761	434.770	396.656481	187.307725	169.516	191.402444	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	193.245142	415.298	397.339861	188.513288	149.745	192.608007	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	193.922917	395.769	398.017636	189.860459	129.964	193.955178	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	194.594197	376.188	398.688916	191.425561	110.182	195.520280	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	195.257891	356.556	399.352610	193.351542	90.412	197.446261	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	195.912650	336.877	0.007369	195.940406	70.679	200.035125	7.402

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BR : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	196.556788	317.153	0.651507	199.956202	51.041	204.050921	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	197.188162	297.387	1.282881	208.012672	31.699	212.107391	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	197.804014	277.581	1.898733	236.264405	13.975	240.359124	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	198.398785	257.805	2.493504	340.791978	13.256	344.886697	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	198.400729	257.739	2.495448	341.016752	13.303	345.111471	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	198.977457	237.866	3.072176	371.622884	30.825	375.717603	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	199.550250	217.971	3.644969	379.906768	50.160	384.001487	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	200.146346	198.066	4.241065	383.811794	69.828	387.906513	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	200.805173	178.161	4.899892	386.135599	89.618	390.230319	8.520

CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	201.585948	158.267	5.680667	387.680671	109.473	391.775390	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	201.790892	153.710	5.885611	387.962385	114.031	392.057105	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	202.578621	138.401	6.673340	388.764215	129.370	392.858934	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	203.903483	118.579	7.998202	389.558800	149.295	393.653519	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	205.758945	98.830	9.853664	390.166200	169.237	394.260919	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	208.537247	79.206	12.631966	390.645507	189.192	394.740226	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	213.128948	59.832	17.223667	391.033336	209.155	395.128055	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	222.007054	41.062	26.101773	391.353572	229.125	395.448291	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	244.208717	24.339	48.303436	391.622456	249.099	395.717175	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	304.529453	17.281	108.624172	391.851416	269.078	395.946135	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	323.318260	18.959	127.412979	391.909361	274.653	396.004080	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	353.650165	28.350	157.744884	392.056359	289.057	396.151078	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	371.069843	45.769	175.164562	392.317611	309.019	396.412330	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	379.528113	64.421	183.622832	392.731555	328.908	396.826274	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	379.844548	65.331	183.939267	392.756751	329.865	396.851470	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	385.197109	83.322	189.291828	393.357363	348.624	397.452082	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	389.674409	102.235	193.769129	394.177193	368.080	398.271912	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	393.519076	121.068	197.613795	395.159347	387.208	399.254066	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	396.988820	139.764	201.083539	396.278316	405.949	0.373035	14.290

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR514              X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
                                                                     Distancia:   266.198  Azimut: 195.905281
BO : BR515              X:  422283.151  Y: 4575559.168  Z:   7.724  PK:     990.463 Dis=   9.327
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	0.218455	158.281	204.313174	397.513392	424.252	1.608111	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	3.285219	176.583	207.379938	398.847624	442.068	2.942343	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	6.236503	194.637	210.331222	0.267020	459.356	4.361739	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	9.102981	212.413	213.197700	1.759935	476.075	5.854654	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	11.905379	229.883	216.000098	3.316606	492.191	7.411325	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	14.658202	247.019	218.752922	4.928784	507.669	9.023503	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	17.371909	263.795	221.466628	6.589447	522.478	10.684166	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	20.054228	280.184	224.148947	8.292578	536.591	12.387297	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	22.710997	296.162	226.805716	10.032984	549.979	14.127703	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	25.346708	311.705	229.441427	11.806151	562.619	15.900870	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	26.900821	320.705	230.995540	12.871215	569.750	16.965934	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	27.963966	326.794	232.058685	13.607730	574.493	17.702449	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	30.532627	341.566	234.627346	15.419660	585.777	19.514379	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	32.988286	356.361	237.083005	17.208934	596.903	21.303653	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	33.837949	361.790	237.932668	17.845052	600.980	21.939771	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	35.274954	371.501	239.369673	18.945258	608.301	23.039977	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	37.380640	387.080	241.475359	20.616792	620.131	24.711511	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	39.321455	403.049	243.416174	22.224683	632.373	26.319402	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	41.112818	419.364	245.207537	23.770562	645.002	27.865281	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	42.768819	435.986	246.863538	25.256227	657.998	29.350946	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	44.302236	452.881	248.396955	26.683604	671.337	30.778323	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	45.724599	470.020	249.819318	28.054704	685.001	32.149423	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	47.046274	487.377	251.140993	29.371591	698.970	33.466310	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	48.276558	504.930	252.371278	30.636357	713.226	34.731076	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	48.451020	507.537	252.545739	30.818848	715.355	34.913567	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	49.417475	522.685	253.512194	31.847361	727.792	35.942080	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	50.466321	540.665	254.561040	33.000270	742.716	37.094990	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	51.430806	558.849	255.525525	34.097119	757.977	38.191838	8.255

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR514              X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
                                                                     Distancia:   266.198  Azimut: 195.905281
BO : BR515              X:  422283.151  Y: 4575559.168  Z:   7.724  PK:     990.463 Dis=   9.327
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	52.318084	577.216	256.412803	35.140083	773.554	39.234802	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	53.134627	595.747	257.229347	36.131346	789.426	40.226065	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	53.886290	614.428	257.981009	37.073075	805.577	41.167794	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	54.578361	633.243	258.673080	37.967407	821.988	42.062126	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	55.215626	652.181	259.310345	38.816432	838.643	42.911151	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	55.802415	671.228	259.897134	39.622186	855.527	43.716905	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	56.342649	690.376	260.437369	40.386642	872.625	44.481361	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	56.839883	709.614	260.934602	41.111704	889.924	45.206423	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	57.024201	717.196	261.118920	41.386214	896.774	45.480933	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	57.299833	728.927	261.394552	41.801020	907.398	45.895739	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	57.735000	748.279	261.829719	42.463465	924.980	46.558185	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	58.148207	767.665	262.242926	43.101132	942.658	47.195851	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	58.541043	787.081	262.635762	43.715262	960.427	47.809981	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	58.914951	806.526	263.009670	44.307028	978.283	48.401747	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	59.271243	825.997	263.365962	44.877532	996.220	48.972251	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	59.611113	845.494	263.705832	45.427813	1014.234	49.522532	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	59.935654	865.013	264.030373	45.958850	1032.321	50.053569	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	60.245864	884.553	264.340583	46.471564	1050.478	50.566283	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	60.542658	904.114	264.637377	46.966825	1068.700	51.061544	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	60.826876	923.693	264.921595	47.445452	1086.985	51.540171	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	61.099289	943.290	265.194008	47.908218	1105.329	52.002937	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	61.360609	962.904	265.455329	48.355851	1123.730	52.450570	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	61.611493	982.533	265.706212	48.789040	1142.185	52.883759	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	61.852544	1002.177	265.947263	49.208435	1160.691	53.303154	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	62.084324	1021.835	266.179043	49.614649	1179.245	53.709368	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	62.162482	1028.642	266.257201	49.752281	1185.678	53.847000	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	62.308175	1041.503	266.402894	50.008940	1197.841	54.103659	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	62.535180	1061.148	266.629899	50.400622	1216.411	54.495341	12.704

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR514              X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
                                                                     Distancia:   266.198  Azimut: 195.905281
BO : BR515              X:  422283.151  Y: 4575559.168  Z:   7.724  PK:     990.463 Dis=   9.327
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	62.782004	1080.712	266.876723	50.803732	1234.843	54.898451	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	62.989220	1095.271	267.083939	51.121121	1248.489	55.215840	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	63.063997	1100.118	267.158716	51.231269	1253.013	55.325988	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	63.390000	1119.292	267.484719	51.690824	1270.816	55.785543	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	63.456078	1122.866	267.550797	51.780706	1274.118	55.875425	14.135

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
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* * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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BR : BR514              X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
                                                                     Distancia:   413.408  Azimut: 380.506480
BO : BR513              X:  422141.423  Y: 4576218.994  Z:   7.853  PK:    1509.467 Dis=-236.988
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	140.689573	802.093	160.183094	154.039145	1162.715	373.532666	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	140.512051	782.216	160.005571	154.150834	1142.817	373.644354	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	140.477517	778.464	159.971037	154.172358	1139.061	373.665879	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	140.588600	762.295	160.082120	154.441557	1123.558	373.935077	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	140.732195	742.368	160.225715	154.783801	1104.476	374.277322	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	140.804830	732.680	160.298350	154.954500	1095.210	374.448020	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	140.998031	722.673	160.491552	155.209278	1085.938	374.702798	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	142.001065	706.394	161.494585	156.068569	1072.539	375.562089	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	143.620777	697.870	163.114297	157.215399	1068.067	376.708919	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	144.826829	697.779	164.320349	157.986218	1070.734	377.479738	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	145.430154	698.937	164.923675	158.357047	1073.215	377.850568	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	147.213541	702.754	166.707062	159.450637	1080.813	378.944157	5.772

RECTA	180.000	234.097457	0.000	422774.023	4575332.914	148.976294	707.117	168.469814	160.528645	1088.725	380.022166		5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	150.716114	712.015	170.209634	161.590799	1096.945	381.084319		6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	152.430903	717.437	171.924423	162.636867	1105.465	382.130387		6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	152.801645	718.689	172.295165	162.863018	1107.364	382.356539		6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	154.120380	723.314	173.613901	163.668186	1114.226	383.161706		6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	155.797687	729.132	175.291207	164.698009	1122.745	384.191529		6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	157.029097	732.935	176.522617	165.461175	1128.431	384.954695		6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	157.481406	734.166	176.974927	165.743363	1130.333	385.236883		6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	159.179951	737.917	178.673471	166.811565	1136.500	386.305086		6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	160.889467	740.325	180.382988	167.898279	1141.169	387.391800		6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	162.605093	741.380	182.098614	168.998183	1144.317	388.491704		7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	164.322047	741.080	183.815568	170.106051	1145.927	389.599571		7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	166.035564	739.426	185.529084	171.216711	1145.993	390.710231		7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	167.740834	736.423	187.234355	172.325015	1144.513	391.818535		7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	169.432941	732.081	188.926461	173.425796	1141.495	392.919316		7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	171.106793	726.417	190.600314	174.513833	1136.954	394.007353		8.144

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076
Distancia: 413.408 Azimut: 380.506480
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	172.757058	719.450	192.250578	175.583813	1130.913	395.077334	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	174.378084	711.206	193.871604	176.630298	1123.403	396.123818	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	175.963818	701.715	195.457338	177.647679	1114.461	397.141199	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	177.507716	691.013	197.001236	178.630150	1104.134	398.123671	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	179.002635	679.141	198.496156	179.571664	1092.477	399.065185	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	180.440721	666.147	199.934241	180.465903	1079.554	399.959423	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	181.813269	652.083	201.306789	181.306243	1065.437	0.799763	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	183.110572	637.009	202.604092	182.085729	1050.207	1.579249	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	184.321749	620.993	203.815269	182.797052	1033.955	2.290572	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	185.346975	605.529	204.840496	183.383280	1018.227	2.876800	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	185.434547	604.109	204.928067	183.432540	1016.781	2.926061	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	186.173808	591.482	205.667328	183.842613	1003.926	3.336133	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	186.450166	586.512	205.943686	183.993166	998.863	3.486686	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	187.396022	568.449	206.889542	184.495720	980.456	3.989241	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	188.268285	549.978	207.761805	184.938212	961.633	4.431732	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	188.615586	541.987	208.109107	185.107431	953.493	4.600952	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	189.059007	531.142	208.552527	185.316553	942.453	4.810073	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	189.784462	512.047	209.277982	185.640783	923.027	5.134303	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	190.099101	503.442	209.592621	185.774670	914.274	5.268191	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	190.484754	492.826	209.978274	185.933733	903.474	5.427253	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	191.181005	473.537	210.674525	186.206421	883.844	5.699941	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	191.873512	454.184	211.367032	186.457828	864.144	5.951348	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	192.561761	434.770	212.055282	186.686389	844.381	6.179909	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	193.245142	415.298	212.738662	186.890385	824.561	6.383905	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	193.922917	395.769	213.416437	187.067930	804.691	6.561450	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	194.594197	376.188	214.087717	187.216949	784.778	6.710469	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	195.257891	356.556	214.751411	187.335153	764.830	6.828673	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	195.912650	336.877	215.406171	187.420016	744.856	6.913536	7.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076
Distancia: 413.408 Azimut: 380.506480
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	196.556788	317.153	216.050308	187.468743	724.865	6.962263	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	197.188162	297.387	216.681682	187.478233	704.865	6.971753	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	197.804014	277.581	217.297534	187.445046	684.869	6.938566	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	198.398785	257.805	217.892305	187.365696	664.954	6.859217	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	198.400729	257.739	217.894249	187.365350	664.887	6.858871	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	198.977457	237.866	218.470977	187.236352	644.932	6.729872	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	199.550250	217.971	219.043771	187.060943	625.009	6.554463	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	200.146346	198.066	219.639867	186.843934	605.119	6.337454	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	200.805173	178.161	220.298694	186.590765	585.260	6.084286	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	201.585948	158.267	221.079468	186.307613	565.424	5.801134	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	201.790892	153.710	221.284412	186.239197	560.879	5.732718	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	202.578621	138.401	222.072141	186.000739	545.604	5.494259	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	203.903483	118.579	223.397004	185.670716	525.798	5.164236	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	205.758945	98.830	225.252465	185.314867	506.006	4.808387	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	208.537247	79.206	228.030767	184.930061	486.232	4.423582	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	213.128948	59.832	232.622468	184.512648	466.478	4.006168	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	222.007054	41.062	241.500575	184.058338	446.745	3.551859	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	244.208717	24.339	263.702237	183.562068	427.037	3.055589	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	304.529453	17.281	324.022973	183.017813	407.357	2.511333	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	323.318260	18.959	342.811780	182.856435	401.871	2.349955	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	353.650165	28.350	373.143685	182.412761	387.717	1.906281	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	371.069843	45.769	390.563364	181.675254	368.203	1.168774	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	379.528113	64.421	399.021634	180.687068	348.996	0.180589	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	379.844548	65.331	399.338068	180.630714	348.081	0.124235	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	385.197109	83.322	4.690629	179.324458	330.368	398.817978	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	389.674409	102.235	9.167930	177.517158	312.576	397.010678	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	393.519076	121.068	13.012597	175.212955	295.883	394.706476	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	396.988820	139.764	16.482340	172.365833	280.593	391.859354	14.290

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Distancia: 413.408 Azimut: 380.506480
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	0.218455	158.281	19.711975	168.945303	267.045	388.438823	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	3.285219	176.583	22.778739	164.949078	255.603	384.442598	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	6.236503	194.637	25.730023	160.417326	246.630	379.910846	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	9.102981	212.413	28.596501	155.444073	240.461	374.937593	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	11.905379	229.883	31.398899	150.179196	237.349	369.672716	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	14.658202	247.019	34.151723	144.815536	237.435	364.309056	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	17.371909	263.795	36.865429	139.561625	240.714	359.055146	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	20.054228	280.184	39.547748	134.608599	247.041	354.102119	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	22.710997	296.162	42.204517	130.103536	256.154	349.597057	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	25.346708	311.705	44.840228	126.137429	267.718	345.630949	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	26.900821	320.705	46.394341	124.057817	275.582	343.551337	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	27.963966	326.794	47.457487	122.746820	281.363	342.240340	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	30.532627	341.566	50.026147	119.887184	296.580	339.380704	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	32.988286	356.361	52.481807	117.436023	312.781	336.929544	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	33.837949	361.790	53.331469	116.623472	318.798	336.116992	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	35.274954	371.501	54.768474	115.265831	329.522	334.759351	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	37.380640	387.080	56.874160	113.308199	346.610	332.801720	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	39.321455	403.049	58.814975	111.536022	363.995	331.029542	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	41.112818	419.364	60.606338	109.926530	381.636	329.420050	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	42.768819	435.986	62.262339	108.460105	399.500	327.953626	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	44.302236	452.881	63.795757	107.119852	417.557	326.613372	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	45.724599	470.020	65.218120	105.891205	435.784	325.384725	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	47.046274	487.377	66.539794	104.761593	454.161	324.255113	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	48.276558	504.930	67.770079	103.720137	472.669	323.213658	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	48.451020	507.537	67.944540	103.573217	475.412	323.066737	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	49.417475	522.685	68.910995	102.750377	491.273	322.243897	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	50.466321	540.665	69.959842	101.833072	509.927	321.326592	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	51.430806	558.849	70.924326	100.962591	528.625	320.456112	8.255

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BR : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076
Distancia: 413.408 Azimut: 380.506480
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	52.318084	577.216	71.811604	100.134227	547.360	319.627748	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	53.134627	595.747	72.628148	99.343870	566.128	318.837390	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	53.886290	614.428	73.379810	98.587917	584.925	318.081438	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	54.578361	633.243	74.071881	97.863200	603.746	317.356720	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	55.215626	652.181	74.709147	97.166920	622.588	316.660440	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	55.802415	671.228	75.295936	96.496599	641.449	315.990119	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	56.342649	690.376	75.836170	95.850033	660.325	315.343553	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	56.839883	709.614	76.333404	95.225258	679.214	314.718779	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	57.024201	717.196	76.517721	94.985349	686.639	314.478869	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	57.299833	728.927	76.793353	94.623064	698.124	314.116584	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	57.735000	748.279	77.228520	94.051637	717.088	313.545157	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	58.148207	767.665	77.641727	93.509698	736.108	313.003218	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	58.541043	787.081	78.034564	92.995094	755.178	312.488615	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	58.914951	806.526	78.408472	92.505871	774.296	311.999391	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	59.271243	825.997	78.764763	92.040249	793.456	311.533769	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	59.611113	845.494	79.104634	91.596607	812.658	311.090128	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	59.935654	865.013	79.429175	91.173466	831.897	310.666986	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	60.245864	884.553	79.739385	90.769470	851.170	310.262990	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	60.542658	904.114	80.036178	90.383380	870.477	309.876901	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	60.826876	923.693	80.320396	90.014058	889.815	309.507579	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	61.099289	943.290	80.592809	89.660459	909.181	309.153979	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	61.360609	962.904	80.854130	89.321618	928.573	308.815138	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	61.611493	982.533	81.105013	88.996650	947.991	308.490170	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	61.852544	1002.177	81.346064	88.684735	967.433	308.178256	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	62.084324	1021.835	81.577844	88.385117	986.897	307.878638	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	62.162482	1028.642	81.656002	88.284151	993.639	307.777671	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	62.308175	1041.503	81.801695	88.097940	1006.386	307.591460	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	62.535180	1061.148	82.028700	87.833452	1025.935	307.326972	12.704

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BR : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076
Distancia: 413.408 Azimut: 380.506480
BO : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	62.782004	1080.712	82.275524	87.607897	1045.594	307.101418	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	62.989220	1095.271	82.482740	87.473700	1060.413	306.967220	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	63.063997	1100.118	82.557517	87.436633	1065.390	306.930153	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	63.390000	1119.292	82.883520	87.328685	1085.305	306.822206	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	63.456078	1122.866	82.949598	87.315343	1089.056	306.808864	14.135

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	347.646453	0.000	422909.804	4575346.356	154.039145	1162.715	373.532666	140.689573	802.093	160.183094	5.800
RECTA	20.000	347.646453	0.000	422895.148	4575359.966	154.150834	1142.817	373.644354	140.512051	782.216	160.005571	5.684
RECTA	23.776	335.252343	0.000	422892.381	4575362.536	154.172358	1139.061	373.665879	140.477517	778.464	159.971037	5.662
RECTA	40.000	335.252343	0.000	422878.582	4575371.067	154.441557	1123.558	373.935077	140.588600	762.295	160.082120	5.567
RECTA	60.000	335.252343	0.000	422861.571	4575381.585	154.783801	1104.476	374.277322	140.732195	742.368	160.225715	5.451
CIRC.	69.724	335.252343	0.000	422853.300	4575386.698	154.954500	1095.210	374.448020	140.804830	732.680	160.298350	5.398
CIRC.	80.000	318.896909	0.000	422843.965	4575390.926	155.209278	1085.938	374.702798	140.998031	722.673	160.491552	5.365
CIRC.	100.000	287.065920	0.000	422824.194	4575391.853	156.068569	1072.539	375.562089	142.001065	706.394	161.494585	5.380
CIRC.	120.000	255.234931	0.000	422806.400	4575383.188	157.215399	1068.067	376.708919	143.620777	697.870	163.114297	5.492
RECTA	133.281	234.097457	0.000	422797.867	4575373.090	157.986218	1070.734	377.479738	144.826829	697.779	164.320349	5.585
RECTA	140.000	234.097457	0.000	422794.438	4575367.312	158.357047	1073.215	377.850568	145.430154	698.937	164.923675	5.632
RECTA	160.000	234.097457	0.000	422784.231	4575350.113	159.450637	1080.813	378.944157	147.213541	702.754	166.707062	5.772
RECTA	180.000	234.097457	0.000	422774.023	4575332.914	160.528645	1088.725	380.022166	148.976294	707.117	168.469814	5.912
RECTA	200.000	234.097457	0.000	422763.816	4575315.714	161.590799	1096.945	381.084319	150.716114	712.015	170.209634	6.052
RECTA	220.000	234.097457	0.000	422753.609	4575298.515	162.636867	1105.465	382.130387	152.430903	717.437	171.924423	6.192
CLOT.	224.365	234.097457	0.000	422751.381	4575294.761	162.863018	1107.364	382.356539	152.801645	718.689	172.295165	6.223
CLOT.	240.000	234.830900	0.000	422743.350	4575281.347	163.668186	1114.226	383.161706	154.120380	723.314	173.613901	6.332
CLOT.	260.000	237.907474	0.000	422732.590	4575264.490	164.698009	1122.745	384.191529	155.797687	729.132	175.291207	6.472
CIRC.	274.645	241.682529	0.000	422724.042	4575252.602	165.461175	1128.431	384.954695	157.029097	732.935	176.522617	6.575
CIRC.	280.000	243.298301	0.000	422720.727	4575248.396	165.743363	1130.333	385.236883	157.481406	734.166	176.974927	6.612
CIRC.	300.000	249.332611	0.000	422707.431	4575233.465	166.811565	1136.500	386.305086	159.179951	737.917	178.673471	6.752
CIRC.	320.000	255.366922	0.000	422692.782	4575219.860	167.898279	1141.169	387.391800	160.889467	740.325	180.382988	6.892
CIRC.	340.000	261.401233	0.000	422676.912	4575207.702	168.998183	1144.317	388.491704	162.605093	741.380	182.098614	7.032
CIRC.	360.000	267.435543	0.000	422659.961	4575197.100	170.106051	1145.927	389.599571	164.322047	741.080	183.815568	7.172
CIRC.	380.000	273.469854	0.000	422642.084	4575188.151	171.216711	1145.993	390.710231	166.035564	739.426	185.529084	7.312
CIRC.	400.000	279.504165	0.000	422623.440	4575180.933	172.325015	1144.513	391.818535	167.740834	736.423	187.234355	7.454
CIRC.	420.000	285.538475	0.000	422604.196	4575175.513	173.425796	1141.495	392.919316	169.432941	732.081	188.926461	7.709
CIRC.	440.000	291.572786	0.000	422584.525	4575171.938	174.513833	1136.954	394.007353	171.106793	726.417	190.600314	8.144

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 1509.467 Dis=-236.988
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 1257.343 Dis= 17.076

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	460.000	297.607096	0.000	422564.605	4575170.242	175.583813	1130.913	395.077334	172.757058	719.450	192.250578	8.758
CIRC.	480.000	303.641407	0.000	422544.614	4575170.438	176.630298	1123.403	396.123818	174.378084	711.206	193.871604	9.553
CIRC.	500.000	309.675718	0.000	422524.730	4575172.525	177.647679	1114.461	397.141199	175.963818	701.715	195.457338	10.526
CIRC.	520.000	315.710028	0.000	422505.134	4575176.485	178.630150	1104.134	398.123671	177.507716	691.013	197.001236	11.566
CIRC.	540.000	321.744339	0.000	422486.000	4575182.281	179.571664	1092.477	399.065185	179.002635	679.141	198.496156	12.606
CIRC.	560.000	327.778650	0.000	422467.501	4575189.863	180.465903	1079.554	399.959423	180.440721	666.147	199.934241	13.646
CIRC.	580.000	333.812960	0.000	422449.802	4575199.161	181.306243	1065.437	0.799763	181.813269	652.083	201.306789	14.645
CIRC.	600.000	339.847271	0.000	422433.063	4575210.093	182.085729	1050.207	1.579249	183.110572	637.009	202.604092	15.410
CIRC.	620.000	345.881582	0.000	422417.434	4575222.560	182.797052	1033.955	2.290572	184.321749	620.993	203.815269	15.915
CLOT.	638.354	351.419150	0.000	422404.188	4575235.256	183.383280	1018.227	2.876800	185.346975	605.529	204.840496	16.152
CLOT.	640.000	351.907759	0.000	422403.055	4575236.450	183.432540	1016.781	2.926061	185.434547	604.109	204.928067	16.163
CIRC.	654.411	355.490226	0.000	422393.492	4575247.229	183.842613	1003.926	3.336133	186.173808	591.482	205.667328	16.180
CIRC.	660.000	356.638062	0.000	422389.934	4575251.539	183.993166	998.863	3.486686	186.450166	586.512	205.943686	16.151
CIRC.	680.000	360.745286	0.000	422377.850	4575267.471	184.495720	980.456	3.989241	187.396022	568.449	206.889542	15.881
CIRC.	700.000	364.852511	0.000	422366.819	4575284.150	184.938212	961.633	4.431732	188.268285	549.978	207.761805	15.351
CLOT.	708.528	366.603900	0.000	422362.447	4575291.472	185.107431	953.493	4.600952	188.615586	541.987	208.109107	15.047
CLOT.	720.000	368.746014	0.000	422356.875	4575301.499	185.316553	942.453	4.810073	189.059007	531.142	208.552527	14.564
CLOT.	740.000	371.458413	0.000	422347.855	4575319.347	185.640783	923.027	5.134303	189.784462	512.047	209.277982	13.564
CIRC.	748.963	372.252417	0.000	422344.023	4575327.450	185.774670	914.274	5.268191	190.099101	503.442	209.592621	13.107
CIRC.	760.000	373.069405	0.000	422339.427	4575337.485	185.933733	903.474	5.427253	190.484754	492.826	209.978274	12.544
CIRC.	780.000	374.549916	0.000	422331.430	4575355.815	186.206421	883.844	5.699941	191.181005	473.537	210.674525	11.524
CIRC.	800.000	376.030427	0.000	422323.861	4575374.327	186.457828	864.144	5.951348	191.873512	454.184	211.367032	10.504
CIRC.	820.000	377.510938	0.000	422316.724	4575393.010	186.686389	844.381	6.179909	192.561761	434.770	212.055282	9.497
CIRC.	840.000	378.991449	0.000	422310.024	4575411.854	186.890385	824.561	6.383905	193.245142	415.298	212.738662	8.656
CIRC.	860.000	380.471960	0.000	422303.763	4575430.848	187.067930	804.691	6.561450	193.922917	395.769	213.416437	8.026
CIRC.	880.000	381.952471	0.000	422297.946	4575449.983	187.216949	784.778	6.710469	194.594197	376.188	214.087717	7.607
CIRC.	900.000	383.432982	0.000	422292.576	4575469.248	187.335153	764.830	6.828673	195.257891	356.556	214.751411	7.399
CIRC.	920.000	384.913493	0.000	422287.655	4575488.633	187.420016	744.856	6.913536	195.912650	336.877	215.406171	7.402

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 59 : Via Perimetral

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:    1509.467 Dis=-236.988
                                                                        Distancia:   413.408  Azimut: 180.506480
 BO : BR514                X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	940.000	386.394004	0.000	422283.186	4575508.127	187.468743	724.865	6.962263	196.556788	317.153	216.050308	7.540
CIRC.	960.000	387.874516	0.000	422279.172	4575527.720	187.478233	704.865	6.971753	197.188162	297.387	216.681682	7.680
CIRC.	980.000	389.355027	0.000	422275.614	4575547.400	187.445046	684.869	6.938566	197.804014	277.581	217.297534	7.820
CLOT.	999.934	390.830624	0.000	422272.525	4575567.092	187.365696	664.954	6.859217	198.398785	257.805	217.892305	7.960
CLOT.	1000.000	390.835536	0.000	422272.515	4575567.158	187.365350	664.887	6.858871	198.400729	257.739	217.894249	7.960
CLOT.	1020.000	392.173637	0.000	422269.861	4575586.981	187.236352	644.932	6.729872	198.977457	237.866	218.470977	8.100
CLOT.	1040.000	393.228796	0.000	422267.581	4575606.850	187.060943	625.009	6.554463	199.550250	217.971	219.043771	8.240
CLOT.	1060.000	394.001013	0.000	422265.586	4575626.750	186.843934	605.119	6.337454	200.146346	198.066	219.639867	8.380
CLOT.	1080.000	394.490287	0.000	422263.788	4575646.669	186.590765	585.260	6.084286	200.805173	178.161	220.298694	8.520
CLOT.	1100.000	394.696620	0.000	422262.099	4575666.598	186.307613	565.424	5.801134	201.585948	158.267	221.079468	8.660
RECTA	1104.585	394.704054	0.000	422261.718	4575671.167	186.239197	560.879	5.732718	201.790892	153.710	221.284412	8.692
RECTA	1120.000	394.704054	0.000	422260.437	4575686.529	186.000739	545.604	5.494259	202.578621	138.401	222.072141	8.800
RECTA	1140.000	394.704054	0.000	422258.775	4575706.459	185.670716	525.798	5.164236	203.903483	118.579	223.397004	8.940
RECTA	1160.000	394.704054	0.000	422257.113	4575726.390	185.314867	506.006	4.808387	205.758945	98.830	225.252465	9.080
RECTA	1180.000	394.704054	0.000	422255.451	4575746.321	184.930061	486.232	4.423582	208.537247	79.206	228.030767	9.220
RECTA	1200.000	394.704054	0.000	422253.789	4575766.252	184.512648	466.478	4.006168	213.128948	59.832	232.622468	9.360
RECTA	1220.000	394.704054	0.000	422252.127	4575786.183	184.058338	446.745	3.551859	222.007054	41.062	241.500575	9.500
RECTA	1240.000	394.704054	0.000	422250.466	4575806.114	183.562068	427.037	3.055589	244.208717	24.339	263.702237	9.640
RECTA	1260.000	394.704054	0.000	422248.804	4575826.044	183.017813	407.357	2.511333	304.529453	17.281	324.022973	9.787
CLOT.	1265.581	394.704054	0.000	422248.340	4575831.606	182.856435	401.871	2.349955	323.318260	18.959	342.811780	9.843
CLOT.	1280.000	395.163643	0.000	422247.176	4575845.978	182.412761	387.717	1.906281	353.650165	28.350	373.143685	10.036
CLOT.	1300.000	397.322773	0.000	422245.951	4575865.940	181.675254	368.203	1.168774	371.069843	45.769	390.563364	10.419
CLOT.	1320.000	1.250292	0.000	422245.680	4575885.935	180.687068	348.996	0.180589	379.528113	64.421	399.021634	10.936
CIRC.	1320.965	1.484620	0.000	422245.701	4575886.900	180.630714	348.081	0.124235	379.844548	65.331	399.338068	10.964
CIRC.	1340.000	6.145307	0.000	422246.841	4575905.896	179.324458	330.368	398.817978	385.197109	83.322	4.690629	11.587
CIRC.	1360.000	11.042382	0.000	422249.532	4575925.709	177.517158	312.576	397.010678	389.674409	102.235	9.167930	12.372
CIRC.	1380.000	15.939457	0.000	422253.737	4575945.257	175.212955	295.883	394.706476	393.519076	121.068	13.012597	13.290
CIRC.	1400.000	20.836532	0.000	422259.433	4575964.424	172.365833	280.593	391.859354	396.988820	139.764	16.482340	14.290

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   59 : Via Perimetral

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:    1509.467 Dis=-236.988
                                                                        Distancia:   413.408  Azimut: 180.506480
 BO : BR514                X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1420.000	25.733607	0.000	422266.584	4575983.096	168.945303	267.045	388.438823	0.218455	158.281	19.711975	15.161
CIRC.	1440.000	30.630683	0.000	422275.149	4576001.164	164.949078	255.603	384.442598	3.285219	176.583	22.778739	15.738
CIRC.	1460.000	35.527758	0.000	422285.078	4576018.520	160.417326	246.630	379.910846	6.236503	194.637	25.730023	16.021
CIRC.	1480.000	40.424833	0.000	422296.310	4576035.061	155.444073	240.461	374.937593	9.102981	212.413	28.596501	16.010
CIRC.	1500.000	45.321908	0.000	422308.781	4576050.691	150.179196	237.349	369.672716	11.905379	229.883	31.398899	15.705
CIRC.	1520.000	50.218983	0.000	422322.416	4576065.316	144.815536	237.435	364.309056	14.658202	247.019	34.151723	15.106
CIRC.	1540.000	55.116059	0.000	422337.135	4576078.850	139.561625	240.714	359.055146	17.371909	263.795	36.865429	14.216
CIRC.	1560.000	60.013134	0.000	422352.850	4576091.213	134.608599	247.041	354.102119	20.054228	280.184	39.547748	13.216
CIRC.	1580.000	64.910209	0.000	422369.468	4576102.332	130.103536	256.154	349.597057	22.710997	296.162	42.204517	12.216
CIRC.	1600.000	69.807284	0.000	422386.892	4576112.140	126.137429	267.718	345.630949	25.346708	311.705	44.840228	11.216
CLOT.	1611.857	72.710528	0.000	422397.560	4576117.313	124.057817	275.582	343.551337	26.900821	320.705	46.394341	10.623
CLOT.	1620.000	74.557787	0.000	422405.016	4576120.587	122.746820	281.363	342.240340	27.963966	326.794	47.457487	10.216
CLOT.	1640.000	77.850674	0.000	422423.650	4576127.846	119.887184	296.580	339.380704	30.532627	341.566	50.026147	9.237
CLOT.	1660.000	79.375172	0.000	422442.546	4576134.395	117.436023	312.781	336.929544	32.988286	356.361	52.481807	8.445
RECTA	1667.242	79.491094	0.000	422449.414	4576136.692	116.623472	318.798	336.116992	33.837949	361.790	53.331469	8.212
RECTA	1680.000	79.491094	0.000	422461.516	4576140.731	115.265831	329.522	334.759351	35.274954	371.501	54.768474	7.872
RECTA	1700.000	79.491094	0.000	422480.487	4576147.064	113.308199	346.610	332.801720	37.380640	387.080	56.874160	7.520
RECTA	1720.000	79.491094	0.000	422499.458	4576153.396	111.536022	363.995	331.029542	39.321455	403.049	58.814975	7.389
RECTA	1740.000	79.491094	0.000	422518.429	4576159.728	109.926530	381.636	329.420050	41.112818	419.364	60.606338	7.455
RECTA	1760.000	79.491094	0.000	422537.400	4576166.060	108.460105	399.500	327.953626	42.768819	435.986	62.262339	7.555
RECTA	1780.000	79.491094	0.000	422556.372	4576172.392	107.119852	417.557	326.613372	44.302236	452.881	63.795757	7.655
RECTA	1800.000	79.491094	0.000	422575.343	4576178.725	105.891205	435.784	325.384725	45.724599	470.020	65.218120	7.755
RECTA	1820.000	79.491094	0.000	422594.314	4576185.057	104.761593	454.161	324.255113	47.046274	487.377	66.539794	7.855
RECTA	1840.000	79.491094	0.000	422613.285	4576191.389	103.720137	472.669	323.213658	48.276558	504.930	67.770079	7.955
CIRC.	1842.954	79.491094	0.000	422616.087	4576192.324	103.573217	475.412	323.066737	48.451020	507.537	67.944540	7.970
CIRC.	1860.000	79.057011	0.000	422632.238	4576197.776	102.750377	491.273	322.243897	49.417475	522.685	68.910995	8.055
CIRC.	1880.000	78.547715	0.000	422651.139	4576204.313	101.833072	509.927	321.326592	50.466321	540.665	69.959842	8.155
CIRC.	1900.000	78.038419	0.000	422669.988	4576211.001	100.962591	528.625	320.456112	51.430806	558.849	70.924326	8.255

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   59 : Via Perimetral

                              ==========================================
                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:    1509.467 Dis=-236.988
                                                                        Distancia:   413.408  Azimut: 180.506480
 BO : BR514                X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	1920.000	77.529124	0.000	422688.782	4576217.840	100.134227	547.360	319.627748	52.318084	577.216	71.811604	8.355
CIRC.	1940.000	77.019828	0.000	422707.521	4576224.829	99.343870	566.128	318.837390	53.134627	595.747	72.628148	8.455
CIRC.	1960.000	76.510532	0.000	422726.204	4576231.967	98.587917	584.925	318.081438	53.886290	614.428	73.379810	8.555
CIRC.	1980.000	76.001236	0.000	422744.829	4576239.255	97.863200	603.746	317.356720	54.578361	633.243	74.071881	8.655
CIRC.	2000.000	75.491940	0.000	422763.395	4576246.691	97.166920	622.588	316.660440	55.215626	652.181	74.709147	8.755
CIRC.	2020.000	74.982644	0.000	422781.901	4576254.276	96.496599	641.449	315.990119	55.802415	671.228	75.295936	8.855
CIRC.	2040.000	74.473349	0.000	422800.345	4576262.008	95.850033	660.325	315.343553	56.342649	690.376	75.836170	8.955
CIRC.	2060.000	73.964053	0.000	422818.728	4576269.888	95.225258	679.214	314.718779	56.839883	709.614	76.333404	9.055
RECTA	2067.858	73.763943	0.000	422825.933	4576273.025	94.985349	686.639	314.478869	57.024201	717.196	76.517721	9.094
RECTA	2080.000	73.763943	0.000	422837.058	4576277.888	94.623064	698.124	314.116584	57.299833	728.927	76.793353	9.153
RECTA	2100.000	73.763943	0.000	422855.384	4576285.899	94.051637	717.088	313.545157	57.735000	748.279	77.228520	9.231
RECTA	2120.000	73.763943	0.000	422873.709	4576293.910	93.509698	736.108	313.003218	58.148207	767.665	77.641727	9.286
RECTA	2140.000	73.763943	0.000	422892.035	4576301.921	92.995094	755.178	312.488615	58.541043	787.081	78.034564	9.319
RECTA	2160.000	73.763943	0.000	422910.360	4576309.932	92.505871	774.296	311.999391	58.914951	806.526	78.408472	9.329
RECTA	2180.000	73.763943	0.000	422928.686	4576317.943	92.040249	793.456	311.533769	59.271243	825.997	78.764763	9.316
RECTA	2200.000	73.763943	0.000	422947.011	4576325.954	91.596607	812.658	311.090128	59.611113	845.494	79.104634	9.281
RECTA	2220.000	73.763943	0.000	422965.337	4576333.965	91.173466	831.897	310.666986	59.935654	865.013	79.429175	9.223
RECTA	2240.000	73.763943	0.000	422983.662	4576341.976	90.769470	851.170	310.262990	60.245864	884.553	79.739385	9.142
RECTA	2260.000	73.763943	0.000	423001.988	4576349.987	90.383380	870.477	309.876901	60.542658	904.114	80.036178	9.043
RECTA	2280.000	73.763943	0.000	423020.313	4576357.998	90.014058	889.815	309.507579	60.826876	923.693	80.320396	8.943
RECTA	2300.000	73.763943	0.000	423038.639	4576366.009	89.660459	909.181	309.153979	61.099289	943.290	80.592809	8.883
RECTA	2320.000	73.763943	0.000	423056.964	4576374.020	89.321618	928.573	308.815138	61.360609	962.904	80.854130	9.017
RECTA	2340.000	73.763943	0.000	423075.290	4576382.030	88.996650	947.991	308.490170	61.611493	982.533	81.105013	9.362
RECTA	2360.000	73.763943	0.000	423093.615	4576390.041	88.684735	967.433	308.178256	61.852544	1002.177	81.346064	9.919
RECTA	2380.000	73.763943	0.000	423111.941	4576398.052	88.385117	986.897	307.878638	62.084324	1021.835	81.577844	10.686
CLOT.	2386.922	73.763943	0.000	423118.283	4576400.825	88.284151	993.639	307.777671	62.162482	1028.642	81.656002	11.000
CLOT.	2400.000	73.963905	0.000	423130.272	4576406.051	88.097940	1006.386	307.591460	62.308175	1041.503	81.801695	11.662
CLOT.	2420.000	75.043187	0.000	423148.679	4576413.871	87.833452	1025.935	307.326972	62.535180	1061.148	82.028700	12.704

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   59 : Via Perimetral

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR513                X:  422141.423  Y: 4576218.994  Z:   7.853  PK:    1509.467 Dis=-236.988
                                                                        Distancia:   413.408  Azimut: 180.506480
 BO : BR514                X:  422266.041  Y: 4575824.816  Z:   8.380  PK:    1257.343 Dis=  17.076
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	2440.000	77.057816	0.000	423167.271	4576421.241	87.607897	1045.594	307.101418	62.782004	1080.712	82.275524	13.499
CIRC.	2454.985	79.180185	0.000	423181.375	4576426.300	87.473700	1060.413	306.967220	62.989220	1095.271	82.482740	13.888
CIRC.	2460.000	79.978383	0.000	423186.134	4576427.881	87.436633	1065.390	306.930153	63.063997	1100.118	82.557517	13.978
CIRC.	2480.000	83.161482	0.000	423205.300	4576433.590	87.328685	1085.305	306.822206	63.390000	1119.292	82.883520	14.140
CIRC.	2483.759	83.759709	0.000	423208.933	4576434.556	87.315343	1089.056	306.808864	63.456078	1122.866	82.949598	14.135

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   64 : GLORIETA RONDA DE PONENT

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                              ==========================================

 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      98.974 Dis= 151.447
                                                                        Distancia:   127.104  Azimut: 182.483925
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 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:     107.573 Dis= 251.523

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000   0.000000     0.000   422933.804  4575346.356  44.171131   189.822 261.687205  19.934612   281.968  37.450687      5.886

CIRC.      20.000 346.948352     0.000   422925.941  4575364.120  38.602119   199.213 256.118194  17.154960   296.730  34.671035      5.769

CIRC.      40.000 293.896705     0.000   422907.506  4575370.246  32.496047   194.635 250.012122  13.012419   298.358  30.528494      5.674

CIRC.      60.000 240.845057     0.000   422890.576  4575360.720  28.882390   178.339 246.398465   9.750965   285.968  27.267039      5.664

CIRC.      80.000 187.793409     0.000   422886.243  4575341.783  30.641134   159.479 248.157209   9.418368   266.596  26.934443      5.740

CIRC.     100.000 134.741762     0.000   422897.347  4575325.842  37.894750   151.472 255.410825  12.776981   252.818  30.293055      5.859

CIRC.     120.000  81.690114     0.000   422916.611  4575323.342  44.763810   161.141 262.279884  17.620104   254.946  35.136179      5.937

CIRC.     140.000  28.638466     0.000   422931.416  4575335.920  45.879256   180.336 263.395331  20.155906   271.306  37.671981      5.927

CIRC.     150.796   0.000000     0.000   422933.804  4575346.356  44.171131   189.822 261.687205  19.934612   281.968  37.450687      5.886

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   68 : GLORIETA RONDA PONENT. ACCESO ESTE


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                            ==========================================

 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      85.178 Dis=-175.447
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:      85.178 Dis=-275.523

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 271.228221     0.000   422988.377  4575378.562  49.608659   250.393 267.124734  28.007631   332.085  45.523706      5.863

RECTA      20.000 271.228221     0.000   422970.385  4575369.827  47.777359   231.631 265.293434  25.482980   316.769  42.999055      5.894

RECTA      40.000 271.228221     0.000   422952.393  4575361.093  45.625409   213.095 263.141484  22.706683   302.001  40.222758      5.887

CIRC.      47.511 271.228221     0.000   422945.636  4575357.813  44.717755   206.204 262.233830  21.593521   296.614  39.109596      5.874

CIRC.      60.000 281.829384     0.000   422934.000  4575353.317  42.769491   195.346 260.285565  19.502900   288.658  37.018975      5.850

RECTA      60.401 282.169416     0.000   422933.615  4575353.206  42.693912   195.019 260.209987  19.429388   288.436  36.945462      5.849

RECTA      80.000 282.169416     0.000   422914.780  4575347.788  38.650297   179.431 256.166372  15.687196   278.089  33.203271      5.811

RECTA      85.178 282.169416     0.000   422909.804  4575346.356  37.463614   175.447 254.979689  14.652804   275.523  32.168879      5.801

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   69 : GLORIETA RONDA PONENT. ACCESO SUROESTE


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                            ==========================================

 BR : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:       0.000 Dis= -64.094
                                                                      Distancia:   127.104  Azimut: 382.483925
 BO : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      84.277 Dis=   6.268

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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RECTA       0.000 338.493208     0.000   422819.703  4575136.115 372.051471    64.094 389.567545 192.814825    64.719  10.330900      5.601

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   69 : GLORIETA RONDA PONENT. ACCESO SUROESTE


                            ==========================================
                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                            ==========================================

 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      84.277 Dis=   6.268
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:       0.000 Dis= -64.094

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ---------

RECTA       0.000 338.493208     0.000   422819.703  4575136.115 192.814825    64.719  10.330900 372.051471    64.094 389.567545      5.601

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :   69 : GLORIETA RONDA PONENT. ACCESO SUROESTE


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                            ==========================================

 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      84.277 Dis=   6.268
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:       0.000 Dis= -64.094

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
----- ---------- ---------- --------- ------------ ------------ ---------- --------- ---------- ---------- --------- ---------- ---------

RECTA       0.000 338.493208     0.000   422819.703  4575136.115 192.814825    64.719  10.330900 372.051471    64.094 389.567545      5.601

CIRC.      19.807 338.493208     0.000   422803.407  4575147.375 210.706708    53.806  28.222783 364.279469    81.822 381.795544      5.640

CIRC.      20.000 338.931401     0.000   422803.249  4575147.485 210.913342    53.724  28.429417 364.220980    81.999 381.737055      5.640

CIRC.      40.000 384.404242     0.000   422792.161  4575163.620 232.027963    42.007  49.544038 363.728958   101.564 381.245033      5.674

CIRC.      60.000  29.877083     0.000   422794.352  4575183.074 251.283884    25.044  68.799959 370.431722   117.413 387.947797      5.705

RECTA      62.456  35.461641     0.000   422795.558  4575185.213 253.268854    22.703  70.784928 371.522772   118.804 389.038847      5.708

RECTA      80.000  35.461641     0.000   422804.832  4575200.105 297.340527     7.588 114.856602 378.840586   129.070 396.356661      5.731

RECTA     100.000  35.461641     0.000   422815.406  4575217.082  11.311732    16.926 228.827806 385.793373   142.517   3.309447      5.753

RECTA     120.000  35.461641     0.000   422825.979  4575234.058  24.403982    36.269 241.920057 391.492386   157.362   9.008461      5.770

RECTA     140.000  35.461641     0.000   422836.552  4575251.035  28.330605    56.074 245.846679 396.178461   173.248  13.694536      5.784

CIRC.     157.211  35.461641     0.000   422845.651  4575265.644  30.003898    73.203 247.519973 399.560517   187.549  17.076592      5.792

CIRC.     160.000  36.053497     0.000   422847.137  4575268.005  30.214813    75.981 247.730888   0.063946   189.906  17.580021      5.793

RECTA     176.096  39.469264     0.000   422856.133  4575281.350  31.532273    91.982 249.048348   2.875660   203.458  20.391735      5.798

RECTA     180.000  39.469264     0.000   422858.401  4575284.527  31.854657    95.856 249.370732   3.529174   206.745  21.045249      5.798

CIRC.     181.486  39.469264     0.000   422859.265  4575285.736  31.970649    97.332 249.486724   3.772542   208.003  21.288617      5.799

RECTA     193.628  31.739714     0.000   422865.703  4575296.022  32.373301   109.449 249.889375   5.465969   218.729  22.982044      5.800

RECTA     200.000  31.739714     0.000   422868.750  4575301.618  32.338442   115.821 249.854517   6.190496   224.580  23.706571      5.800

RECTA     220.000  31.739714     0.000   422878.313  4575319.184  32.250279   135.820 249.766353   8.236687   243.117  25.752762      5.800

CIRC.     221.198  31.739714     0.000   422878.886  4575320.236  32.245815   137.018 249.761890   8.349358   244.234  25.865433      5.800

RECTA     237.341  61.101803     0.000   422889.546  4575332.167  33.719311   152.664 251.235385  10.575910   257.615  28.091985      5.800

RECTA     240.000  61.101803     0.000   422891.724  4575333.693  34.174541   155.085 251.690616  11.041078   259.487  28.557153      5.800

RECTA     260.000  61.101803     0.000   422908.106  4575345.167  37.187656   173.517 254.703730  14.331725   273.981  31.847800      5.800

RECTA     262.073  61.101803     0.000   422909.804  4575346.356  37.463614   175.447 254.979689  14.652804   275.523  32.168879      5.800

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :  152 : ACUERDO 69-64(1001).IA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      28.539 Dis=-136.068
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:      28.539 Dis=-245.497

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000 202.058204     0.000   422885.816  4575347.132  29.533061   164.048 247.049136   9.134717   271.827  26.650792      5.711

CIRC.       0.000 202.058203     0.000   422885.816  4575347.132  29.533061   164.048 247.049136   9.134717   271.827  26.650792      5.711

CIRC.      17.660 247.027896     0.000   422879.313  4575331.107  30.120297   146.813 247.636371   8.100098   255.070  25.616173      5.695

CIRC.      20.000 243.393818     0.000   422877.787  4575329.332  29.878257   144.539 247.394332   7.776106   253.119  25.292181      5.686

RECTA      27.506 231.739714     0.000   422873.616  4575323.105  29.458959   137.101 246.975034   6.902797   246.453  24.418872      5.680

RECTA      28.539 231.739714     0.000   422873.122  4575322.197  29.441633   136.068 246.957707   6.800831   245.497  24.316906      5.680

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :  153 : ACUERDO 69-64(1001).DA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:       0.000 Dis=-136.075
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:       0.000 Dis= 241.856

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000  31.739710     0.000   422881.905  4575317.415  34.121251   136.075 251.637326   9.234274   241.856  26.750349      5.720

CIRC.      20.000 116.622347     0.000   422898.951  4575324.734  38.714164   151.467 256.230239  13.229822   252.059  30.745897      5.871

CIRC.      21.891 124.647229     0.000   422900.742  4575324.133  39.473851   152.007 256.989926  13.704245   251.846  31.220320      5.881

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :  154 : ACUERDO 68-64(1001).IA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:       0.000 Dis=-185.937
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:       0.000 Dis=-277.364

TIPO   PK Estac.  Azimut      Dis.Eje        X            Y      Ang.Azimu.  Dis.Redu Angulo 1-2 Ang.Az(BO) Dis.R(BO) Ang1-2(BO)   COTA
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CIRC.       0.000  12.525459     0.000   422933.341  4575341.665  45.076513   185.937 262.592588  20.165212   277.364  37.681287      5.907

CIRC.       0.000  12.525458     0.000   422933.341  4575341.665  45.076513   185.937 262.592588  20.165212   277.364  37.681287      5.907

CIRC.      14.821  75.429312     0.000   422942.404  4575352.629  44.998400   200.161 262.514475  21.303752   290.653  38.819827      5.807

CIRC.      19.266  71.820932     0.000   422946.473  4575354.418  45.600766   204.173 263.116841  22.009360   293.697  39.525435      5.804

 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :    6 : CENTRO DIRECCIONAL
 EJE        :  155 : ACUERDO 68-64(1001).DA


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                            * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR608                X:  422812.414  Y: 4575200.422  Z:   5.743  PK:      15.973 Dis=-198.895
                                                                      Distancia:   127.104  Azimut: 182.483925
 BO : BR607                X:  422846.946  Y: 4575078.099  Z:   5.783  PK:      11.072 Dis=-294.543
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	271.820960	0.000	422943.508	4575360.674	43.649812	207.041	261.165887	20.962631	298.618	38.478706	5.803
CIRC.	18.259	349.316023	0.000	422926.591	4575363.508	38.884343	199.081	256.400418	17.324463	296.313	34.840538	5.774

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 156 : ACUERDO 59-64(1001).DP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 14.849 Dis=-185.327
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 9.612 Dis=-293.787

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	279.351969	0.000	422902.155	4575369.105	31.126078	191.069	248.642153	11.935993	296.197	29.452068	5.663
RECTA	17.562	335.252343	0.000	422885.264	4575371.051	25.688969	185.530	243.205043	8.279970	295.447	25.796044	5.640
RECTA	20.000	335.252343	0.000	422883.190	4575372.333	24.863366	185.910	242.379441	7.802641	296.458	25.318715	5.640
RECTA	21.494	335.252343	0.000	422881.919	4575373.119	24.359135	186.159	241.875209	7.511736	297.086	25.027811	5.640

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 157 : ACUERDO 59-64(1001).IP

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR608 X: 422812.414 Y: 4575200.422 Z: 5.743 PK: 19.933 Dis= 166.805
Distancia: 127.104 Azimut: 182.483925
BO : BR607 X: 422846.946 Y: 4575078.099 Z: 5.783 PK: 19.933 Dis=-274.777

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	135.251966	0.000	422878.238	4575367.165	23.935831	179.265	241.451906	6.864791	290.755	24.380866	5.508
CIRC.	19.933	209.898398	0.000	422886.093	4575350.073	29.125392	166.805	246.641467	9.100800	274.777	26.616875	5.698

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 251 : deflectora 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 36.522 Dis=1059.964
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 36.522 Dis=-1096.157

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	215.366076	0.000	423208.946	4576448.761	86.503679	1091.970	305.997200	62.784822	1130.653	82.278342	14.494
CIRC.	0.000	215.366076	0.000	423208.946	4576448.761	86.503679	1091.970	305.997200	62.784822	1130.653	82.278342	14.494
CIRC.	20.000	279.028053	0.000	423195.996	4576434.617	87.160326	1076.391	306.653847	63.050950	1112.058	82.544470	14.132
CIRC.	20.826	281.656594	0.000	423195.209	4576434.366	87.165551	1075.570	306.659071	63.038259	1111.263	82.531779	14.118
CIRC.	36.522	279.180185	0.000	423180.251	4576429.614	87.265269	1059.964	306.758789	62.792487	1096.157	82.286008	13.818

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 6 : CENTRO DIRECCIONAL
EJE : 252 : Deflectora 02

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR513 X: 422141.423 Y: 4576218.994 Z: 7.853 PK: 0.000 Dis=-1060.874
Distancia: 413.408 Azimut: 180.506480
BO : BR514 X: 422266.041 Y: 4575824.816 Z: 8.380 PK: 0.000 Dis=1094.396

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	79.180185	0.000	423182.499	4576422.985	87.681952	1060.873	307.175472	63.186269	1094.396	82.679789	13.818
CIRC.	13.455	81.340550	0.000	423195.312	4576427.091	87.589209	1074.238	307.082729	63.391241	1107.375	82.884761	13.991
CIRC.	20.000	102.173280	0.000	423201.773	4576427.932	87.614317	1080.740	307.107838	63.551819	1113.258	83.045340	13.977
CIRC.	35.970	153.007355	0.000	423215.885	4576421.402	88.146205	1093.361	307.639726	64.297258	1121.659	83.790779	13.672

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GRUPO 7
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 8 : Ramal de conexion B-25 a A-2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 0.000 Dis= -45.230
Distancia: 146.299 Azimut: 24.378046
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 106.211 Dis= -53.497

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	23.778797	0.000	420783.138	4578017.564	92.523452	45.230	68.145406	204.748285	130.767	380.370239	17.519
RECTA	20.000	23.778797	0.000	420790.436	4578036.185	72.652445	57.435	48.274399	201.393096	111.809	377.015050	17.879
CLOT.	26.448	23.778797	0.000	420792.788	4578042.188	68.067960	62.235	43.689914	200.056426	105.779	375.678380	17.995
CLOT.	40.000	24.587958	0.000	420797.787	4578054.785	60.533392	73.187	36.155346	196.652197	93.311	372.274151	18.238
CLOT.	60.000	28.738497	0.000	420805.835	4578073.090	53.362178	90.949	28.984132	189.095324	75.989	364.717278	18.584
CIRC.	78.055	35.512414	0.000	420814.500	4578088.920	49.844149	108.143	25.466103	177.657211	62.880	353.279165	18.737
CIRC.	80.000	36.396907	0.000	420815.541	4578090.563	49.600585	110.043	25.222539	176.065904	61.715	351.687858	18.741
CIRC.	100.000	45.491475	0.000	420827.525	4578106.553	48.272632	129.870	23.894586	155.652014	53.993	331.273969	18.663
CIRC.	120.000	54.586043	0.000	420841.664	4578120.675	48.508128	149.846	24.130082	132.473072	55.898	308.095027	18.490
CIRC.	140.000	63.680611	0.000	420857.669	4578132.639	49.754429	169.584	25.376383	114.789358	66.576	290.411312	18.234
CIRC.	160.000	72.775179	0.000	420875.215	4578142.204	51.682487	188.818	27.304442	104.449147	82.534	280.071101	17.904
CIRC.	180.000	81.869747	0.000	420893.943	4578149.172	54.087805	207.350	29.709759	99.240765	101.069	274.862719	17.564
CLOT.	180.368	82.037213	0.000	420894.297	4578149.275	54.135655	207.684	29.757609	99.178762	101.423	274.800716	17.558
CLOT.	200.000	89.266349	0.000	420913.441	4578153.575	56.794370	225.104	32.416324	97.040723	120.690	272.662677	17.224
CLOT.	220.000	93.139009	0.000	420933.260	4578156.238	59.518006	242.424	35.139960	96.253278	140.621	271.875232	16.884
RECTA	231.975	93.770830	0.000	420945.174	4578157.448	61.054995	252.802	36.676949	96.041984	152.587	271.663938	16.681
RECTA	240.000	93.770830	0.000	420953.160	4578158.232	62.021576	259.820	37.643530	95.928531	160.607	271.550486	16.544
RECTA	260.000	93.770830	0.000	420973.065	4578160.185	64.216179	277.549	39.838133	95.689624	180.596	271.311578	16.246
RECTA	280.000	93.770830	0.000	420992.969	4578162.139	66.145267	295.567	41.767221	95.498336	200.588	271.120290	16.083
RECTA	300.000	93.770830	0.000	421012.873	4578164.093	67.851298	313.826	43.473253	95.341723	220.582	270.963677	16.061
RECTA	316.430	93.770830	0.000	421029.225	4578165.698	69.110419	328.978	44.732373	95.232834	237.007	270.854788	16.123

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 8 : Ramal de conexion B-25 a A-2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 106.211 Dis= -53.497
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 0.000 Dis= -45.230

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	23.778797	0.000	420783.138	4578017.564	204.748285	130.767	380.370239	92.523452	45.230	68.145406	17.519
RECTA	20.000	23.778797	0.000	420790.436	4578036.185	201.393096	111.809	377.015050	72.652445	57.435	48.274399	17.879
CLOT.	26.448	23.778797	0.000	420792.788	4578042.188	200.056426	105.779	375.678380	68.067960	62.235	43.689914	17.995
CLOT.	40.000	24.587958	0.000	420797.787	4578054.785	196.652197	93.311	372.274151	60.533392	73.187	36.155346	18.238
CLOT.	60.000	28.738497	0.000	420805.835	4578073.090	189.095324	75.989	364.717278	53.362178	90.949	28.984132	18.584
CIRC.	78.055	35.512414	0.000	420814.500	4578088.920	177.657211	62.880	353.279165	49.844149	108.143	25.466103	18.737
CIRC.	80.000	36.396907	0.000	420815.541	4578090.563	176.065904	61.715	351.687858	49.600585	110.043	25.222539	18.741
CIRC.	100.000	45.491475	0.000	420827.525	4578106.553	155.652014	53.993	331.273969	48.272632	129.870	23.894586	18.663
CIRC.	120.000	54.586043	0.000	420841.664	4578120.675	132.473072	55.898	308.095027	48.508128	149.846	24.130082	18.490
CIRC.	140.000	63.680611	0.000	420857.669	4578132.639	114.789358	66.576	290.411312	49.754429	169.584	25.376383	18.234
CIRC.	160.000	72.775179	0.000	420875.215	4578142.204	104.449147	82.534	280.071101	51.682487	188.818	27.304442	17.904
CIRC.	180.000	81.869747	0.000	420893.943	4578149.172	99.240765	101.069	274.862719	54.087805	207.350	29.709759	17.564
CLOT.	180.368	82.037213	0.000	420894.297	4578149.275	99.178762	101.423	274.800716	54.135655	207.684	29.757609	17.558
CLOT.	200.000	89.266349	0.000	420913.441	4578153.575	97.040723	120.690	272.662677	56.794370	225.104	32.416324	17.224
CLOT.	220.000	93.139009	0.000	420933.260	4578156.238	96.253278	140.621	271.875232	59.518006	242.424	35.139960	16.884
RECTA	231.975	93.770830	0.000	420945.174	4578157.448	96.041984	152.587	271.663938	61.054995	252.802	36.676949	16.681
RECTA	240.000	93.770830	0.000	420953.160	4578158.232	95.928531	160.607	271.550486	62.021576	259.820	37.643530	16.544
RECTA	260.000	93.770830	0.000	420973.065	4578160.185	95.689624	180.596	271.311578	64.216179	277.549	39.838133	16.246
RECTA	280.000	93.770830	0.000	420992.969	4578162.139	95.498336	200.588	271.120290	66.145267	295.567	41.767221	16.083
RECTA	300.000	93.770830	0.000	421012.873	4578164.093	95.341723	220.582	270.963677	67.851298	313.826	43.473253	16.061
RECTA	316.430	93.770830	0.000	421029.225	4578165.698	95.232834	237.007	270.854788	69.110419	328.978	44.732373	16.123

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 8 : Ramal de conexion B-25 a A-2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 106.211 Dis= -53.497
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 185.846 Dis=-250.237

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	23.778797	0.000	420783.138	4578017.564	204.748285	130.767	192.960882	209.369452	380.003	397.582048	17.519
RECTA	20.000	23.778797	0.000	420790.436	4578036.185	201.393096	111.809	189.605692	208.576922	360.541	396.789518	17.879
CLOT.	26.448	23.778797	0.000	420792.788	4578042.188	200.056426	105.779	188.269022	208.302875	354.280	396.515471	17.995

CLOT.	40.000	24.587958	0.000	420797.787	4578054.785	196.652197	93.311	184.864793	207.683741	341.156	395.896337	18.238
CLOT.	60.000	28.738497	0.000	420805.835	4578073.090	189.095324	75.989	177.307920	206.540109	322.067	394.752706	18.584
CIRC.	78.055	35.512414	0.000	420814.500	4578088.920	177.657211	62.880	165.869807	205.082058	305.512	393.294655	18.737
CIRC.	80.000	36.396907	0.000	420815.541	4578090.563	176.065904	61.715	164.278500	204.892048	303.793	393.104644	18.741
CIRC.	100.000	45.491475	0.000	420827.525	4578106.553	155.652014	53.993	143.864611	202.514397	287.130	390.726993	18.663
CIRC.	120.000	54.586043	0.000	420841.664	4578120.675	132.473072	55.898	120.685669	199.346290	272.799	387.558886	18.490
CIRC.	140.000	63.680611	0.000	420857.669	4578132.639	114.789358	66.576	103.001954	195.417591	261.497	383.630188	18.234
CIRC.	160.000	72.775179	0.000	420875.215	4578142.204	104.449147	82.534	92.661744	190.852778	253.871	379.065375	17.904
CIRC.	180.000	81.869747	0.000	420893.943	4578149.172	99.240765	101.069	87.453361	185.881926	250.419	374.094522	17.564
CLOT.	180.368	82.037213	0.000	420894.297	4578149.275	99.178762	101.423	87.391358	185.788472	250.397	374.001068	17.558
CLOT.	200.000	89.266349	0.000	420913.441	4578153.575	97.040723	120.690	85.253319	180.810988	251.209	369.023585	17.224
CLOT.	220.000	93.139009	0.000	420933.260	4578156.238	96.253278	140.621	84.465874	175.889956	255.312	364.102552	16.884
RECTA	231.975	93.770830	0.000	420945.174	4578157.448	96.041984	152.587	84.254580	173.056509	258.850	361.269105	16.681
RECTA	240.000	93.770830	0.000	420953.160	4578158.232	95.928531	160.607	84.141128	171.205359	261.526	359.417956	16.544
RECTA	260.000	93.770830	0.000	420973.065	4578160.185	95.689624	180.596	83.902220	166.764782	269.122	354.977378	16.246
RECTA	280.000	93.770830	0.000	420992.969	4578162.139	95.498336	200.588	83.710932	162.587023	277.952	350.799619	16.083
RECTA	300.000	93.770830	0.000	421012.873	4578164.093	95.341723	220.582	83.554319	158.682153	287.903	346.894749	16.061
RECTA	316.430	93.770830	0.000	421029.225	4578165.698	95.232834	237.007	83.445430	155.679116	296.838	343.891712	16.123

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 191 : RAMAL CONEXION A2 a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 515.550 Dis= 25.622
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 791.724 Dis= 24.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	176.701002	0.000	420659.966	4578850.094	376.228977	490.428	164.441573	388.089393	714.597	376.301989	14.699
CLOT.	20.000	175.440853	0.000	420667.314	4578831.493	376.236635	470.428	164.449232	388.433835	694.964	376.646431	14.583
CIRC.	36.469	174.602118	0.000	420673.615	4578816.277	376.281259	453.963	164.493855	388.757166	678.869	376.969762	14.488
CIRC.	40.000	174.441557	0.000	420674.990	4578813.025	376.295050	450.433	164.507646	388.830965	675.426	377.043561	14.469
CIRC.	60.000	173.532100	0.000	420682.937	4578794.672	376.402273	430.447	164.614869	389.279451	655.984	377.492048	14.362
CIRC.	80.000	172.622644	0.000	420691.145	4578776.434	376.564200	410.476	164.776796	389.782956	636.648	377.995552	14.263
CLOT.	86.374	172.332780	0.000	420693.816	4578770.646	376.628616	404.115	164.841212	389.955765	630.510	378.168361	14.233
CLOT.	100.000	171.653629	0.000	420699.617	4578758.317	376.789857	390.526	165.002453	390.346715	617.435	378.559311	14.171
CLOT.	120.000	170.441013	0.000	420708.396	4578740.347	377.098179	370.612	165.310775	390.981259	598.375	379.193855	14.093
CLOT.	140.000	168.971760	0.000	420717.552	4578722.566	377.517496	350.754	165.730092	391.701199	579.516	379.913795	14.047
CIRC.	152.362	167.935320	0.000	420723.428	4578711.691	377.847062	338.522	166.059658	392.195818	567.987	380.408414	14.034
CIRC.	160.000	167.264587	0.000	420727.150	4578705.021	378.082526	330.984	166.295122	392.522490	560.919	380.735086	14.032
CIRC.	180.000	165.508395	0.000	420737.226	4578687.745	378.829628	311.343	167.042224	393.458952	542.640	381.671548	14.048
CIRC.	200.000	163.752202	0.000	420747.774	4578670.754	379.794569	291.872	168.007165	394.520598	524.729	382.733194	14.095
CIRC.	220.000	161.996010	0.000	420758.787	4578654.060	381.021338	272.626	169.233934	395.717663	507.240	383.930260	14.174
CLOT.	233.216	160.835482	0.000	420766.316	4578643.198	382.002048	260.062	170.214644	396.588200	495.943	384.800796	14.243
CLOT.	240.000	160.260675	0.000	420770.256	4578637.676	382.565060	253.670	170.777656	397.060735	490.231	385.273331	14.284
CLOT.	260.000	158.808784	0.000	420782.137	4578621.588	384.484653	235.076	172.697249	398.555974	473.743	386.768570	14.426
CLOT.	280.000	157.719509	0.000	420794.337	4578605.740	386.837682	216.900	175.050278	0.202344	457.775	388.414941	14.585
CLOT.	300.000	156.992852	0.000	420806.762	4578590.067	389.696491	199.212	177.909087	1.998005	442.318	390.210602	14.745
CLOT.	320.000	156.628812	0.000	420819.320	4578574.502	393.154494	182.095	181.367090	3.940968	427.354	392.153564	14.904
CLOT.	330.078	156.582771	0.000	420825.671	4578566.676	395.161033	173.719	183.373630	4.975237	419.991	393.187833	14.980
CLOT.	340.000	157.072354	0.000	420831.905	4578558.958	397.325245	165.645	185.537841	6.026614	412.840	394.239210	15.051
CLOT.	360.000	161.035614	0.000	420843.982	4578543.020	2.177896	149.648	190.390493	8.189120	398.344	396.401716	15.185
CLOT.	380.000	168.977748	0.000	420854.512	4578526.031	7.479897	133.493	195.692493	10.287263	383.055	398.499860	15.306
CIRC.	381.278	169.620744	0.000	420855.104	4578524.899	7.826777	132.439	196.039373	10.415152	382.033	398.627748	15.313
CIRC.	400.000	179.155535	0.000	420862.428	4578507.688	12.951486	116.634	201.164082	12.157960	366.382	0.370557	15.413
CIRC.	420.000	189.341452	0.000	420867.321	4578488.318	18.554843	99.036	206.767439	13.707797	348.396	1.920393	15.507

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 191 : RAMAL CONEXION A2 a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 515.550 Dis= 25.622
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 791.724 Dis= 24.710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	427.008	192.910775	0.000	420868.294	4578481.378	20.564708	92.715	208.777304	14.161069	341.834	2.373665	15.536
CLOT.	440.000	198.687910	0.000	420869.122	4578468.418	24.425503	80.836	212.638099	14.869751	329.395	3.082347	15.589
CLOT.	460.000	204.299783	0.000	420868.549	4578448.432	31.521579	62.477	219.734175	15.705606	309.847	3.918202	15.669
CLOT.	478.208	205.948748	0.000	420867.007	4578430.290	41.538443	46.353	229.751039	16.345718	291.892	4.558315	15.741
CLOT.	480.000	205.937426	0.000	420866.840	4578428.506	42.887664	44.844	231.100260	16.409662	290.124	4.622259	15.749
CLOT.	500.000	204.273870	0.000	420865.164	4578408.577	66.787859	30.336	255.000455	17.224100	270.448	5.436696	15.829
CLOT.	520.000	199.788730	0.000	420864.452	4578388.594	111.960752	26.048	300.173348	18.404619	251.045	6.617215	15.949
CIRC.	528.347	197.082246	0.000	420864.652	4578380.250	130.135424	28.975	318.348020	19.077678	243.118	7.290274	16.023
CLOT.	535.034	194.717389	0.000	420865.082	4578373.578	141.302573	32.905	329.515169	19.717537	236.882	7.930133	16.092
CLOT.	540.000	193.047914	0.000	420865.560	4578368.634	147.687687	36.455	335.900283	20.255031	232.328	8.467627	16.149
CLOT.	560.000	188.085792	0.000	420868.585	4578348.870	162.571057	53.587	350.783653	22.941185	214.692	11.153781	16.429
CLOT.	580.000	185.945254	0.000	420872.708	4578329.300	169.097346	72.538	357.309942	26.399858	198.126	14.612454	16.789
CLOT.	585.173	185.850887	0.000	420873.846	4578324.254	170.204124	77.544	358.416720	27.408794	193.990	15.621390	16.893
CLOT.	600.000	187.094993	0.000	420877.020	4578309.771	172.766644	91.976	360.979240	30.527009	182.372	18.739606	17.189
CLOT.	620.000	192.714766	0.000	420880.294	4578290.047	175.741188	111.402	363.953784	35.112178	166.816	23.324774	17.589
CIRC.	634.086	199.389587	0.000	420881.208	4578275.998	177.973190	124.861	366.185786	38.445441	155.542	26.658037	17.871
CIRC.	640.000	202.663669	0.000	420881.112	4578270.085	178.995958	130.408	367.208555	39.831224	150.656	28.043820	17.989
CIRC.	660.000	213.735318	0.000	420878.547	4578250.276	182.787990	148.581	371.000586	44.377743	133.437	32.590339	18.377
CLOT.	678.930	224.214673	0.000	420872.994	4578232.201	186.721753	164.831	374.934349	48.403678	116.246	36.616274	18.717
CLOT.	680.000	224.800488	0.000	420872.592	4578231.209	186.951640	165.719	375.164237	48.620333	115.251	36.832929	18.735
CLOT.	700.000	233.366417	0.000	420863.670	4578213.326	191.287548	181.833	379.500144	52.537250	96.347	40.749846	19.064
CLOT.	720.000	237.405273	0.000	420853.018	4578196.403	195.434752	197.564	383.647349	56.834376	77.217	45.046973	19.365
CLOT.	727.843	237.753374	0.000	420848.647	4578189.891	196.942638	203.803	385.155234	58.960341	69.766	47.172937	19.474
CLOT.	740.000	237.557565	0.000	420841.863	4578179.803	199.106155	213.677	387.318751	63.308594	58.418	51.521190	19.619
CLOT.	760.000	236.383329	0.000	420830.867	4578163.097	202.208772	230.501	390.421368	75.868966	40.888	64.081562	19.792
CLOT.	780.000	234.149164	0.000	420820.323	4578146.104	204.762725	248.049	392.975321	104.316602	27.504	92.529199	19.869
CIRC.	794.765	231.819687	0.000	420813.001	4578133.283	206.307295	261.459	394.519891	140.138302	24.908	128.350898	19.854
CIRC.	794.765	231.819687	0.000	420813.001	4578133.283	206.307295	261.459	394.519891	140.138302	24.908	128.350898	19.854

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 191 : RAMAL CONEXION A2 a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 791.724 Dis= 24.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 515.550 Dis= 25.622

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	176.701002	0.000	420659.966	4578850.094	388.089393	714.597	376.301989	376.228977	490.428	164.441573	14.699
CLOT.	20.000	175.440853	0.000	420667.314	4578831.493	388.433835	694.964	376.646431	376.236635	470.428	164.449232	14.583
CIRC.	36.469	174.602118	0.000	420673.615	4578816.277	388.757166	678.869	376.969762	376.281259	453.963	164.493855	14.488
CIRC.	40.000	174.441557	0.000	420674.990	4578813.025	388.830965	675.426	377.043561	376.295050	450.433	164.507646	14.469
CIRC.	60.000	173.532100	0.000	420682.937	4578794.672	389.279451	655.984	377.492048	376.402273	430.447	164.614869	14.362
CIRC.	80.000	172.622644	0.000	420691.145	4578776.434	389.782956	636.648	377.995552	376.564200	410.476	164.776796	14.263
CLOT.	86.374	172.332780	0.000	420693.816	4578770.646	389.955765	630.510	378.168361	376.628616	404.115	164.841212	14.233
CLOT.	100.000	171.653629	0.000	420699.617	4578758.317	390.346715	617.435	378.559311	376.789857	390.526	165.002453	14.171
CLOT.	120.000	170.441013	0.000	420708.396	4578740.347	390.981259	598.375	379.193855	377.098179	370.612	165.310775	14.093
CLOT.	140.000	168.971760	0.000	420717.552	4578722.566	391.701199	579.516	379.913795	377.517496	350.754	165.730092	14.047
CIRC.	152.362	167.935320	0.000	420723.428	4578711.691	392.195818	567.987	380.408414	377.847062	338.522	166.059658	14.034
CIRC.	160.000	167.264587	0.000	420727.150	4578705.021	392.522490	560.919	380.735086	378.082526	330.984	166.295122	14.032
CIRC.	180.000	165.508395	0.000	420737.226	4578687.745	393.458952	542.640	381.671548	378.829628	311.343	167.042224	14.048
CIRC.	200.000	163.752202	0.000	420747.774	4578670.754	394.520598	524.729	382.733194	379.794569	291.872	168.007165	14.095
CIRC.	220.000	161.996010	0.000	420758.787	4578654.060	395.717663	507.240	383.930260	381.021338	272.626	169.233934	14.174
CLOT.	233.216	160.835482	0.000	420766.316	4578643.198	396.588200	495.943	384.800796	382.002048	260.062	170.214644	14.243
CLOT.	240.000	160.260675	0.000	420770.256	4578637.676	397.060735	490.231	385.273331	382.565060	253.670	170.777656	14.284
CLOT.	260.000	158.808784	0.000	420782.137	4578621.588	398.555974	473.743	386.768570	384.484653	235.076	172.697249	14.426
CLOT.	280.000	157.719509	0.000	420794.337	4578605.740	0.202344	457.775	388.414941	386.837682	216.900	175.050278	14.585
CLOT.	300.000	156.992852	0.000	420806.762	4578590.067	1.998005	442.318	390.210602	389.696491	199.212	177.909087	14.745
CLOT.	320.000	156.628812	0.000	420819.320	4578574.502	3.940968	427.354	392.153564	393.154494	182.095	181.367090	14.904
CLOT.	330.078	156.582771	0.000	420825.671	4578566.676	4.975237	419.991	393.187833	395.161033	173.719	183.373630	14.980
CLOT.	340.000	157.072354	0.000	420831.905	4578558.958	6.026614	412.840	394.239210	397.325245	165.645	185.537841	15.051
CLOT.	360.000	161.035614	0.000	420843.982	4578543.020	8.189120	398.344	396.401716	2.177896	149.648	190.390493	15.185
CLOT.	380.000	168.977748	0.000	420854.512	4578526.031	10.287263	383.055	398.499860	7.479897	133.493	195.692493	15.306
CIRC.	381.278	169.620744	0.000	420855.104	4578524.899	10.415152	382.033	398.627748	7.826777	132.439	196.039373	15.313
CIRC.	400.000	179.155535	0.000	420862.428	4578507.688	12.157960	366.382	0.370557	12.951486	116.634	201.164082	15.413

CIRC.	420.000	189.341452	0.000	420867.321	4578488.318	13.707797	348.396	1.920393	18.554843	99.036	206.767439	15.507		

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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EJE : 191 : RAMAL CONEXION A2 a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 791.724 Dis= 24.710
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 515.550 Dis= 25.622

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	427.008	192.910775	0.000	420868.294	4578481.378	14.161069	341.834	2.373665	20.564708	92.715	208.777304	15.536
CLOT.	440.000	198.687910	0.000	420869.122	4578468.418	14.869751	329.395	3.082347	24.425503	80.836	212.638099	15.589
CLOT.	460.000	204.299783	0.000	420868.549	4578448.432	15.705606	309.847	3.918202	31.521579	62.477	219.734175	15.669
CLOT.	478.208	205.948748	0.000	420867.007	4578430.290	16.345718	291.892	4.558315	41.538443	46.353	229.751039	15.741
CLOT.	480.000	205.937426	0.000	420866.840	4578428.506	16.409662	290.124	4.622259	42.887664	44.844	231.100260	15.749
CLOT.	500.000	204.273870	0.000	420865.164	4578408.577	17.224100	270.448	5.436696	66.787859	30.336	255.000455	15.829
CLOT.	520.000	199.788730	0.000	420864.452	4578388.594	18.404619	251.045	6.617215	111.960752	26.048	300.173348	15.949
CIRC.	528.347	197.082246	0.000	420864.652	4578380.250	19.077678	243.118	7.290274	130.135424	28.975	318.348020	16.023
CLOT.	535.034	194.717389	0.000	420865.082	4578373.578	19.717537	236.882	7.930133	141.302573	32.905	329.515169	16.092
CLOT.	540.000	193.047914	0.000	420865.560	4578368.634	20.255031	232.328	8.467627	147.687687	36.455	335.900283	16.149
CLOT.	560.000	188.085792	0.000	420868.585	4578348.870	22.941185	214.692	11.153781	162.571057	53.587	350.783653	16.429
CLOT.	580.000	185.945254	0.000	420872.708	4578329.300	26.399858	198.126	14.612454	169.097346	72.538	357.309942	16.789
CLOT.	585.173	185.850887	0.000	420873.846	4578324.254	27.408794	193.990	15.621390	170.204124	77.544	358.416720	16.893
CLOT.	600.000	187.094993	0.000	420877.020	4578309.771	30.527009	182.372	18.739606	172.766644	91.976	360.979240	17.189
CLOT.	620.000	192.714766	0.000	420880.294	4578290.047	35.112178	166.816	23.324774	175.741188	111.402	363.953784	17.589
CIRC.	634.086	199.389587	0.000	420881.208	4578275.998	38.445441	155.542	26.658037	177.973190	124.861	366.185786	17.871
CIRC.	640.000	202.663669	0.000	420881.112	4578270.085	39.831224	150.656	28.043820	178.995958	130.408	367.208555	17.989
CIRC.	660.000	213.735318	0.000	420878.547	4578250.276	44.377743	133.437	32.590339	182.787990	148.581	371.000586	18.377
CLOT.	678.930	224.214673	0.000	420872.994	4578232.201	48.403678	116.246	36.616274	186.721753	164.831	374.934349	18.717
CLOT.	680.000	224.800488	0.000	420872.592	4578231.209	48.620333	115.251	36.832929	186.951640	165.719	375.164237	18.735
CLOT.	700.000	233.366417	0.000	420863.670	4578213.326	52.537250	96.347	40.749846	191.287548	181.833	379.500144	19.064
CLOT.	720.000	237.405273	0.000	420853.018	4578196.403	56.834376	77.217	45.046973	195.434752	197.564	383.647349	19.365
CLOT.	727.843	237.753374	0.000	420848.647	4578189.891	58.960341	69.766	47.172937	196.942638	203.803	385.155234	19.474
CLOT.	740.000	237.557565	0.000	420841.863	4578179.803	63.308594	58.418	51.521190	199.106155	213.677	387.318751	19.619
CLOT.	760.000	236.383329	0.000	420830.867	4578163.097	75.868966	40.888	64.081562	202.208772	230.501	390.421368	19.792
CLOT.	780.000	234.149164	0.000	420820.323	4578146.104	104.316602	27.504	92.529199	204.762725	248.049	392.975321	19.869
CIRC.	794.765	231.819687	0.000	420813.001	4578133.283	140.138302	24.908	128.350898	206.307295	261.459	394.519891	19.854
CIRC.	794.765	231.819687	0.000	420813.001	4578133.283	140.138302	24.908	128.350898	206.307295	261.459	394.519891	19.854

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 191 : RAMAL CONEXION A2 a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 791.724 Dis= 24.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 794.765 Dis= 142.260

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	176.701002	0.000	420659.966	4578850.094	388.089393	714.597	163.711347	394.071169	841.476	369.693123	14.699
CLOT.	20.000	175.440853	0.000	420667.314	4578831.493	388.433835	694.964	164.055789	394.503678	822.292	370.125632	14.583
CIRC.	36.469	174.602118	0.000	420673.615	4578816.277	388.757166	678.869	164.379120	394.895572	806.604	370.517526	14.488
CIRC.	40.000	174.441557	0.000	420674.990	4578813.025	388.830965	675.426	164.452919	394.983610	803.253	370.605564	14.469
CIRC.	60.000	173.532100	0.000	420682.937	4578794.672	389.279451	655.984	164.901405	395.509345	784.358	371.131299	14.362
CIRC.	80.000	172.622644	0.000	420691.145	4578776.434	389.782956	636.648	165.404910	396.083280	765.618	371.705234	14.263
CLOT.	86.374	172.332780	0.000	420693.816	4578770.646	389.955765	630.510	165.577719	396.276846	759.681	371.898800	14.233
CLOT.	100.000	171.653629	0.000	420699.617	4578758.317	390.346715	617.435	165.968669	396.708928	747.051	372.330882	14.171
CLOT.	120.000	170.441013	0.000	420708.396	4578740.347	390.981259	598.375	166.603213	397.393790	728.694	373.015745	14.093
CLOT.	140.000	168.971760	0.000	420717.552	4578722.566	391.701199	579.516	167.323153	398.148176	710.603	373.770130	14.047
CIRC.	152.362	167.935320	0.000	420723.428	4578711.691	392.195818	567.987	167.817772	398.653925	699.584	374.275879	14.034
CIRC.	160.000	167.264587	0.000	420727.150	4578705.021	392.522490	560.919	168.144444	398.982872	692.845	374.604826	14.032
CIRC.	180.000	165.508395	0.000	420737.226	4578687.745	393.458952	542.640	169.080906	399.906384	675.482	375.528338	14.048
CIRC.	200.000	163.752202	0.000	420747.774	4578670.754	394.520598	524.729	170.142552	0.923718	658.559	376.545672	14.095
CIRC.	220.000	161.996010	0.000	420758.787	4578654.060	395.717663	507.240	171.339617	2.039546	642.125	377.661500	14.174
CIRC.	233.216	160.835482	0.000	420766.316	4578643.198	396.588200	495.943	172.210154	2.833145	631.559	378.455099	14.243
CIRC.	240.000	160.260675	0.000	420770.256	4578637.676	397.060735	490.231	172.682689	3.258280	626.232	378.880234	14.284
CLOT.	260.000	158.808784	0.000	420782.137	4578621.588	398.555974	473.743	174.177928	4.580637	610.904	380.202591	14.426
CLOT.	280.000	157.719509	0.000	420794.337	4578605.740	0.202344	457.775	175.824298	6.001916	596.123	381.623870	14.585
CLOT.	300.000	156.992852	0.000	420806.762	4578590.067	1.998005	442.318	177.619959	7.516858	581.855	383.138812	14.745
CLOT.	320.000	156.628812	0.000	420819.320	4578574.502	3.940968	427.354	179.562922	9.120153	568.057	384.742107	14.904
CLOT.	330.078	156.582771	0.000	420825.671	4578566.676	4.975237	419.991	180.597191	9.959890	561.267	385.581845	14.980
CLOT.	340.000	157.072354	0.000	420831.905	4578558.958	6.026614	412.840	181.648568	10.804739	554.664	386.426693	15.051
CLOT.	360.000	161.035614	0.000	420843.982	4578543.020	8.189120	398.344	183.811074	12.521765	541.191	388.143719	15.185
CLOT.	380.000	168.977748	0.000	420854.512	4578526.031	10.287263	383.055	185.909218	14.171243	526.765	389.793197	15.306
CIRC.	381.278	169.620744	0.000	420855.104	4578524.899	10.415152	382.033	186.037106	14.271541	525.791	389.893495	15.313
CIRC.	400.000	179.155535	0.000	420862.428	4578507.688	12.157960	366.382	187.779914	15.638501	510.757	391.260455	15.413
CIRC.	420.000	189.341452	0.000	420867.321	4578488.318	13.707797	348.396	189.329751	16.859108	493.249	392.481062	15.507

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 191 : RAMAL CONEXION A2 a B25

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 791.724 Dis= 24.710
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 794.765 Dis= 142.260

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	427.008	192.910775	0.000	420868.294	4578481.378	14.161069	341.834	189.783023	17.219518	486.814	392.841472	15.536
CLOT.	440.000	198.687910	0.000	420869.122	4578468.418	14.869751	329.395	190.491705	17.791107	474.565	393.413061	15.589
CLOT.	460.000	204.299783	0.000	420868.549	4578448.432	15.705606	309.847	191.327560	18.485006	455.224	394.106960	15.669
CLOT.	478.208	205.948748	0.000	420867.007	4578430.290	16.345718	291.892	191.967672	19.025897	437.415	394.647851	15.741
CLOT.	480.000	205.937426	0.000	420866.840	4578428.506	16.409662	290.124	192.031616	19.079315	435.661	394.701269	15.749
CLOT.	500.000	204.273870	0.000	420865.164	4578408.577	17.224100	270.448	192.846054	19.734465	416.148	395.356419	15.829
CLOT.	520.000	199.788730	0.000	420864.452	4578388.594	18.404619	251.045	194.026573	20.603449	396.937	396.225403	15.949
CIRC.	528.347	197.082246	0.000	420864.652	4578380.250	19.077678	243.118	194.699632	21.068602	389.100	396.690556	16.023
CLOT.	535.034	194.717389	0.000	420865.082	4578373.578	19.717537	236.882	195.339491	21.496693	382.938	397.118647	16.092
CLOT.	540.000	193.047914	0.000	420865.560	4578368.634	20.255031	232.328	195.876985	21.847982	378.438	397.469936	16.149
CLOT.	560.000	188.085792	0.000	420868.585	4578348.870	22.941185	214.692	198.563139	23.523496	360.969	399.145450	16.429
CLOT.	580.000	185.945254	0.000	420872.708	4578329.300	26.399858	198.126	202.021812	25.541080	344.382	1.163034	16.789
CLOT.	585.173	185.850887	0.000	420873.846	4578324.254	27.408794	193.990	203.030748	26.105839	340.195	1.727793	16.893
CLOT.	600.000	187.094993	0.000	420877.020	4578309.771	30.527009	182.372	206.148964	27.790228	328.292	3.412182	17.189
CLOT.	620.000	192.714766	0.000	420880.294	4578290.047	35.112178	166.816	210.734132	30.097628	312.008	5.719582	17.589
CIRC.	634.086	199.389587	0.000	420881.208	4578275.998	38.445441	155.542	214.067395	31.628012	300.002	7.249966	17.871
CIRC.	640.000	202.663669	0.000	420881.112	4578270.085	39.831224	150.656	215.453178	32.218575	294.771	7.840529	17.989
CIRC.	660.000	213.735318	0.000	420878.547	4578250.276	44.377743	133.437	219.999697	33.914309	276.299	9.536263	18.377
CLOT.	678.930	224.214673	0.000	420872.994	4578232.201	48.403678	116.246	224.025632	34.999461	257.946	10.621415	18.717
CLOT.	680.000	224.800488	0.000	420872.592	4578231.209	48.620333	115.251	224.242287	35.042957	256.891	10.664911	18.735
CLOT.	700.000	233.366417	0.000	420863.670	4578213.326	52.537250	96.347	228.159204	35.513089	236.989	11.135043	19.064
CLOT.	720.000	237.405273	0.000	420853.018	4578196.403	56.834376	77.217	232.456331	35.490047	216.993	11.112001	19.365
CLOT.	727.843	237.753374	0.000	420848.647	4578189.891	58.960341	69.766	234.582295	35.409541	209.154	11.031495	19.474
CLOT.	740.000	237.557565	0.000	420841.863	4578179.803	63.308594	58.418	238.930548	35.268964	197.006	10.890918	19.619
CLOT.	760.000	236.383329	0.000	420830.867	4578163.097	75.868966	40.888	251.490920	35.066772	177.015	10.688726	19.792
CLOT.	780.000	234.149164	0.000	420820.323	4578146.104	104.316602	27.504	279.938556	35.030115	157.016	10.652069	19.869
CIRC.	794.765	231.819687	0.000	420813.001	4578133.283	140.138302	24.908	315.760256	35.237395	142.260	10.859349	19.854
CIRC.	794.765	231.819687	0.000	420813.001	4578133.283	140.138302	24.908	315.760256	35.237395	142.260	10.859349	19.854

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 245 : Autovia A2

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 951.812 Dis= 130.027
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 1022.574 Dis= 348.929

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	193.901898	0.000	420602.587	4579348.986	384.567649	984.306	172.780245	389.996241	1216.001	378.208837	15.368
CIRC.	20.000	195.176066	0.000	420604.300	4579329.060	384.361742	964.556	172.574338	389.920345	1196.053	378.132941	15.364
CLOT.	20.976	195.238248	0.000	420604.373	4579328.087	384.350809	963.595	172.563406	389.916032	1195.081	378.128628	15.363
CLOT.	40.000	196.348648	0.000	420605.625	4579309.104	384.121333	944.884	172.333929	389.820828	1176.140	378.033425	15.335
CLOT.	60.000	197.296943	0.000	420606.616	4579289.129	383.848216	925.291	172.060812	389.699638	1156.264	377.912234	15.283
CLOT.	80.000	198.020685	0.000	420607.346	4579269.142	383.545253	905.771	171.757849	389.559603	1136.423	377.772199	15.208
CLOT.	100.000	198.519873	0.000	420607.883	4579249.150	383.215521	886.317	171.428118	389.403738	1116.614	377.616334	15.128

CLOT.	120.000	198.794506	0.000	420608.299	4579229.154	382.862341	866.917	171.074937	389.235263	1096.830	377.447859	15.048
CLOT.	134.460	198.853200	0.000	420608.564	4579214.696	382.594394	852.917	170.806990	389.107534	1082.536	377.320130	14.990
CLOT.	140.000	198.843141	0.000	420608.664	4579209.157	382.489299	847.558	170.701895	389.057622	1077.061	377.270218	14.968
CLOT.	160.000	198.639391	0.000	420609.053	4579189.161	382.100582	828.224	170.313178	388.874742	1057.298	377.087338	14.888
CLOT.	180.000	198.173408	0.000	420609.547	4579169.167	381.701288	808.894	169.913884	388.691273	1037.527	376.903869	14.808
CLOT.	200.000	197.445193	0.000	420610.228	4579149.179	381.297060	789.549	169.509656	388.512278	1017.737	376.724874	14.728
CLOT.	220.000	196.454745	0.000	420611.179	4579129.202	380.894114	770.167	169.106710	388.343234	997.917	376.555830	14.648
CLOT.	240.000	195.202064	0.000	420612.481	4579109.245	380.499331	750.731	168.711927	388.190083	978.059	376.402679	14.568
CIRC.	241.908	195.068828	0.000	420612.627	4579107.342	380.462360	748.873	168.674956	388.176532	976.162	376.389128	14.560
CIRC.	260.000	193.794438	0.000	420614.208	4579089.320	380.119511	731.227	168.332107	388.058617	958.159	376.271213	14.488
CIRC.	280.000	192.385619	0.000	420616.374	4579069.438	379.757514	711.652	167.970111	387.951477	938.224	376.164073	14.408
CIRC.	300.000	190.976799	0.000	420618.980	4579049.609	379.414922	692.012	167.627518	387.870290	918.259	376.082886	14.328
CIRC.	320.000	189.567980	0.000	420622.024	4579029.842	379.093501	672.311	167.306097	387.816821	898.274	376.029417	14.260
CIRC.	340.000	188.159161	0.000	420625.505	4579010.148	378.795239	652.554	167.007835	387.792986	878.277	376.005583	14.221
CIRC.	360.000	186.750341	0.000	420629.420	4578990.535	378.522375	632.745	166.734971	387.800868	858.278	376.013464	14.210
CIRC.	380.000	185.341522	0.000	420633.769	4578971.014	378.277439	612.889	166.490035	387.842731	838.286	376.055328	14.226
CIRC.	400.000	183.932702	0.000	420638.549	4578951.594	378.063306	592.993	166.275902	387.921044	818.312	376.133640	14.271
CIRC.	420.000	182.523883	0.000	420643.757	4578932.285	377.883247	573.061	166.095843	388.038494	798.369	376.251090	14.324
CIRC.	440.000	181.115063	0.000	420649.391	4578913.095	377.741008	553.101	165.953604	388.198013	778.467	376.410609	14.344
CIRC.	460.000	179.706244	0.000	420655.448	4578894.035	377.640887	533.120	165.853484	388.402800	758.621	376.615396	14.328
CIRC.	480.000	178.297425	0.000	420661.926	4578875.113	377.587847	513.125	165.800443	388.656349	738.844	376.868946	14.277

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 245 : Autovia A2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 951.812 Dis= 130.027
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 1022.574 Dis= 348.929

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	500.000	176.888605	0.000	420668.821	4578856.340	377.587638	493.126	165.800234	388.962474	719.154	377.175070	14.189
CIRC.	520.000	175.479786	0.000	420676.129	4578837.723	377.646957	473.131	165.859553	389.325340	699.568	377.537936	14.072
CIRC.	540.000	174.070966	0.000	420683.848	4578819.273	377.773650	453.153	165.986246	389.749494	680.103	377.962091	13.952
CIRC.	560.000	172.662147	0.000	420691.973	4578800.998	377.976949	433.203	166.189545	390.239899	660.782	378.452496	13.832
CIRC.	580.000	171.253327	0.000	420700.500	4578782.908	378.267788	413.297	166.480384	390.801964	641.626	379.014560	13.712
CIRC.	600.000	169.844508	0.000	420709.426	4578765.011	378.659188	393.452	166.871784	391.441575	622.662	379.654171	13.592
CIRC.	620.000	168.435689	0.000	420718.746	4578747.315	379.166755	373.687	167.379351	392.165125	603.916	380.377721	13.473
CIRC.	640.000	167.026869	0.000	420728.454	4578729.830	379.809306	354.028	168.021902	392.979534	585.419	381.192130	13.385
CIRC.	660.000	165.618050	0.000	420738.548	4578712.564	380.609677	334.502	168.822273	393.892263	567.206	382.104859	13.339
CIRC.	680.000	164.209230	0.000	420749.021	4578695.526	381.595751	315.145	169.808347	394.911312	549.313	383.123908	13.337
CIRC.	700.000	162.800411	0.000	420759.868	4578678.724	382.801772	296.000	171.014368	396.045195	531.782	384.257791	13.377
CIRC.	720.000	161.391592	0.000	420771.084	4578662.165	384.270004	277.123	172.482600	397.302890	514.660	385.515486	13.459
CIRC.	740.000	159.982772	0.000	420782.665	4578645.859	386.052785	258.581	174.265382	398.693745	497.997	386.906341	13.585
CIRC.	760.000	158.573953	0.000	420794.603	4578629.814	388.214990	240.463	176.427586	0.227328	481.850	388.439925	13.753
CIRC.	780.000	157.165133	0.000	420806.893	4578614.036	390.836733	222.882	179.049329	1.913216	466.280	390.125812	13.951
CIRC.	800.000	155.756314	0.000	420819.529	4578598.534	394.015863	205.985	182.228459	3.760685	451.355	391.973281	14.151
CIRC.	820.000	154.347494	0.000	420832.506	4578583.316	397.869035	189.963	186.081632	5.778310	437.148	393.990906	14.351
CIRC.	840.000	152.938675	0.000	420845.815	4578568.388	2.528849	175.068	190.741445	7.973441	423.741	396.186037	14.551
CIRC.	860.000	151.529856	0.000	420859.452	4578553.759	8.132366	161.617	196.344963	10.351562	411.216	398.564158	14.751
CIRC.	880.000	150.121036	0.000	420873.410	4578539.435	14.794025	150.008	203.006621	12.915534	399.665	1.128130	14.951
CLOT.	884.577	149.798601	0.000	420876.648	4578536.200	16.474229	147.658	204.686825	13.528502	397.167	1.741099	14.997
CLOT.	900.000	148.791002	0.000	420887.676	4578525.419	22.555391	140.699	210.767988	15.664237	389.173	3.876833	15.151
CLOT.	920.000	147.719009	0.000	420902.205	4578511.675	31.314633	134.116	219.527229	18.588546	379.783	6.801142	15.351
CLOT.	940.000	146.911999	0.000	420916.935	4578498.147	40.793667	130.594	229.006263	21.674464	371.504	9.887061	15.551
CLOT.	960.000	146.369971	0.000	420931.808	4578484.775	50.562836	130.298	238.775432	24.905682	364.335	13.118278	15.744
CLOT.	980.000	146.092925	0.000	420946.767	4578471.500	60.137725	133.168	248.350321	28.264002	358.265	16.476598	15.920
RECTA	990.911	146.053496	0.000	420954.943	4578464.276	65.126677	135.977	253.339274	30.142686	355.408	18.355282	16.010
RECTA	1000.000	146.053496	0.000	420961.756	4578458.259	69.108783	138.931	257.321379	31.729953	353.270	19.942549	16.081

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 245 : Autovia A2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 951.812 Dis= 130.027
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 1022.574 Dis= 348.929

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	1020.000	146.053496	0.000	420976.748	4578445.020	77.218838	147.210	265.431434	35.284509	349.353	23.497105	16.225
RECTA	1022.574	146.053496	0.000	420978.677	4578443.317	78.192967	148.437	266.405563	35.747346	348.929	23.959943	16.242

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 301 : Via Colectora - Dsitribuidora A2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 455.979 Dis= 115.406
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 526.462 Dis= 334.120

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	0.000	176.701002	0.000	420659.966	4578850.094	376.228977	490.428	164.441573	388.089393	714.597	376.301989	14.699
CLOT.	20.000	175.440853	0.000	420667.314	4578831.493	376.236635	470.428	164.449232	388.433835	694.964	376.646431	14.583
CIRC.	36.469	174.602118	0.000	420673.615	4578816.277	376.281259	453.963	164.493855	388.757166	678.869	376.969762	14.488
CIRC.	40.000	174.441557	0.000	420674.990	4578813.025	376.295050	450.433	164.507646	388.830965	675.426	377.043561	14.469
CIRC.	60.000	173.532100	0.000	420682.937	4578794.672	376.402273	430.447	164.614869	389.279451	655.984	377.492048	14.362
CIRC.	80.000	172.622644	0.000	420691.145	4578776.434	376.564200	410.476	164.776796	389.782956	636.648	377.995552	14.263
CLOT.	86.374	172.332780	0.000	420693.816	4578770.646	376.628616	404.115	164.841212	389.955765	630.510	378.168361	14.234
CLOT.	100.000	171.653629	0.000	420699.617	4578758.317	376.789857	390.526	165.002453	390.346715	617.435	378.559311	14.171
CLOT.	120.000	170.441013	0.000	420708.396	4578740.347	377.098179	370.612	165.310775	390.981259	598.375	379.193855	14.094
CLOT.	140.000	168.971760	0.000	420717.552	4578722.566	377.517496	350.754	165.730092	391.701199	579.516	379.913795	14.047
CIRC.	152.362	167.935320	0.000	420723.428	4578711.691	377.847062	338.522	166.059658	392.195818	567.987	380.408414	14.034
CIRC.	160.000	167.264587	0.000	420727.150	4578705.021	378.082526	330.984	166.295122	392.522490	560.919	380.735086	14.032
CIRC.	180.000	165.508395	0.000	420737.226	4578687.745	378.829628	311.343	167.042224	393.458952	542.640	381.671548	14.048
CIRC.	200.000	163.752202	0.000	420747.774	4578670.754	379.794569	291.872	168.007165	394.520598	524.729	382.733194	14.095
CIRC.	220.000	161.996010	0.000	420758.787	4578654.060	381.021338	272.626	169.233934	395.717663	507.240	383.930260	14.174
CIRC.	240.000	160.239817	0.000	420770.257	4578637.676	382.565234	253.671	170.777830	397.060815	490.231	385.273411	14.284
CLOT.	245.315	159.773079	0.000	420773.381	4578633.376	383.037363	248.692	171.249959	397.443737	485.800	385.656333	14.319
CLOT.	260.000	158.552801	0.000	420782.169	4578621.612	384.494712	235.091	172.707308	398.560385	473.766	386.772982	14.424
CIRC.	274.324	157.495780	0.000	420790.946	4578610.292	386.154216	222.064	174.366812	399.733464	462.329	387.946060	14.535
CIRC.	280.000	157.103024	0.000	420794.474	4578605.845	386.883462	216.976	175.096059	0.221382	457.881	388.433978	14.580
CIRC.	300.000	155.719068	0.000	420807.123	4578590.354	389.824943	199.436	178.037539	2.048616	442.616	390.261212	14.740
CIRC.	320.000	154.335112	0.000	420820.105	4578575.140	393.450298	182.647	181.662894	4.051582	428.040	392.264178	14.912
CIRC.	340.000	152.951155	0.000	420833.415	4578560.213	397.920775	166.843	186.133371	6.239320	414.233	394.451917	15.106
CIRC.	360.000	151.567199	0.000	420847.046	4578545.578	3.421312	152.339	191.633908	8.619216	401.283	396.831812	15.315
CIRC.	380.000	150.183243	0.000	420860.992	4578531.243	10.138011	139.550	198.350607	11.196185	389.281	399.408782	15.483
CLOT.	380.029	150.181223	0.000	420861.013	4578531.222	10.148784	139.533	198.361380	11.200093	389.264	399.412690	15.483
CLOT.	400.000	148.927231	0.000	420875.237	4578517.205	18.200338	128.981	206.412934	13.970560	378.311	2.183157	15.608
CLOT.	420.000	147.927856	0.000	420889.729	4578503.421	27.582266	121.157	215.794862	16.934238	368.412	5.146834	15.709

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 7 : NUDO CORNELLA
EJE : 301 : Via Colectora - Dsitribuidora A2

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 455.979 Dis= 115.406
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 526.462 Dis= 334.120

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	440.000	147.185117	0.000	420904.408	4578489.837	38.020759	116.554	226.233355	20.074964	359.602	8.287560	15.827
CLOT.	460.000	146.699015	0.000	420919.217	4578476.396	48.993191	115.478	237.205787	23.377765	351.889	11.590361	15.970
CLOT.	480.000	146.469551	0.000	420934.102	4578463.037	59.832609	117.947	248.045206	26.825232	345.271	15.037828	16.138
RECTA	487.882	146.449618	0.000	420939.977	4578457.782	63.930722	119.840	252.143319	28.219505	342.961	16.432101	16.211
RECTA	500.000	146.449618	0.000	420949.010	4578449.705	69.943432	123.676	258.156028	30.398121	339.737	18.610717	16.330
RECTA	520.000	146.449618	0.000	420963.918	4578436.373	78.955328	132.213	267.167924	34.077333	335.308	22.289929	16.530
RECTA	526.462	146.449618	0.000	420968.735	4578432.065	81.605086	135.489	269.817682	35.285458	334.120	23.498054	16.595

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GRUPO 8
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 8 : CAMINOS
EJE : 311 : camino auxiliar de entronque

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 0.000 Dis= 105.411
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 90.146 Dis= -87.866

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	45.550242	0.000	420823.042	4578248.972	18.472789	105.411	6.685385	206.943269	145.351	395.155865	10.978
RECTA	20.000	45.550242	0.000	420836.162	4578264.067	22.716034	123.904	10.928630	201.328879	129.420	389.541475	10.956
RECTA	40.000	45.550242	0.000	420849.282	4578279.162	25.847135	142.804	14.059732	194.212955	114.771	382.425551	10.940
RECTA	60.000	45.550242	0.000	420862.402	4578294.257	28.241997	161.969	16.454593	185.168581	101.956	373.381177	10.950
RECTA	80.000	45.550242	0.000	420875.521	4578309.353	30.128044	181.314	18.340640	173.832886	91.748	362.045482	10.978
RECTA	90.146	45.550242	0.000	420882.177	4578317.010	30.938528	191.179	19.151124	167.183486	87.866	355.396082	11.019
RECTA	90.146	45.550242	0.000	420882.177	4578317.010	30.938528	191.179	19.151124	167.183486	87.866	355.396082	11.019

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 8 : CAMINOS
EJE : 311 : camino auxiliar de entronque

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 90.146 Dis= -87.866
Distancia: 249.761 Azimut: 211.787404
BO : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 0.000 Dis= 105.411

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	45.550242	0.000	420823.042	4578248.972	206.943269	145.351	395.155865	18.472789	105.411	6.685385	10.978
RECTA	20.000	45.550242	0.000	420836.162	4578264.067	201.328879	129.420	389.541475	22.716034	123.904	10.928630	10.956
RECTA	40.000	45.550242	0.000	420849.282	4578279.162	194.212955	114.771	382.425551	25.847135	142.804	14.059732	10.940
RECTA	60.000	45.550242	0.000	420862.402	4578294.257	185.168581	101.956	373.381177	28.241997	161.969	16.454593	10.950
RECTA	80.000	45.550242	0.000	420875.521	4578309.353	173.832886	91.748	362.045482	30.128044	181.314	18.340640	10.978
RECTA	90.146	45.550242	0.000	420882.177	4578317.010	167.183486	87.866	355.396082	30.938528	191.179	19.151124	11.019
RECTA	90.146	45.550242	0.000	420882.177	4578317.010	167.183486	87.866	355.396082	30.938528	191.179	19.151124	11.019

GRUPO 9

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 308 : Carril bici 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 157.016 Dis= 52.494
Distancia: 249.761 Azimut: 11.787404
BO : BR500 X: 420838.863 Y: 4578393.459 Z: 12.708 PK: 0.000 Dis=-135.610

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	145.550235	0.000	420830.958	4578258.079	21.194285	116.510	9.406882	203.713211	135.610	391.925808	10.950
CIRC.	0.392	145.550235	0.000	420831.253	4578257.823	21.393061	116.364	9.605657	203.567905	135.850	391.780501	10.945
CIRC.	10.645	210.827944	0.000	420834.549	4578248.582	24.995084	108.902	13.207680	201.895063	144.941	390.107659	10.977
CIRC.	20.000	214.798142	0.000	420832.679	4578239.418	26.130602	99.735	14.343198	202.554215	154.165	390.766812	11.575
CIRC.	38.198	222.521741	0.000	420827.424	4578222.007	27.789992	81.701	16.002588	204.240943	171.834	392.453539	12.849
CIRC.	40.000	199.581804	0.000	420827.115	4578220.242	28.160749	79.972	16.373345	204.311107	173.615	392.523703	12.975
CIRC.	53.513	27.527171	0.000	420836.655	4578218.179	35.489840	82.739	23.702436	200.802021	175.294	389.014617	13.921
CIRC.	60.000	24.774061	0.000	420839.245	4578224.126	34.812844	89.161	23.025440	199.856458	169.334	388.069054	14.375
CIRC.	79.790	16.374915	0.000	420845.525	4578242.878	32.239359	108.533	20.451955	197.185184	150.729	385.397780	15.760
CIRC.	80.000	19.048437	0.000	420845.583	4578243.080	32.211550	108.737	20.424147	197.157047	150.529	385.369643	15.775
CIRC.	95.119	211.553503	0.000	420855.279	4578240.703	37.704692	111.774	25.917288	193.184801	153.635	381.397397	16.833
CIRC.	100.000	213.943612	0.000	420854.308	4578235.920	38.811204	107.280	27.023800	193.778536	158.294	381.991132	17.175
CIRC.	120.000	223.737763	0.000	420848.481	4578216.809	43.250399	88.490	31.462995	196.537352	176.912	384.749949	18.575
CIRC.	140.000	233.531913	0.000	420839.794	4578198.816	47.437447	69.183	35.650044	199.695616	194.645	387.908212	19.760
RECTA	148.389	237.640131	0.000	420835.345	4578191.705	49.058889	60.960	37.271485	201.109823	201.785	389.322419	20.016
RECTA	157.016	237.640131	0.000	420830.537	4578184.542	50.925751	52.494	39.138347	202.535899	209.083	390.748495	20.272

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 308 : Carril bici 02

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR501 X: 420792.882 Y: 4578147.967 Z: 11.997 PK: 157.016 Dis= 52.494
Distancia: 146.299 Azimut: 224.378046
BO : BR502 X: 420738.219 Y: 4578012.264 Z: 11.995 PK: 157.016 Dis=-195.454

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	145.550235	0.000	420830.958	4578258.079	21.194285	116.510	196.816240	22.966641	262.727	398.588595	10.950

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 133.601 Dis= 3.278
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 203.320

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	226.577979	0.000	420629.293	4577702.706	26.389269	133.664	5.794153	216.788980	203.320	396.193863	16.181
RECTA	20.000	226.577979	0.000	420621.183	4577684.424	26.356065	113.665	5.760948	217.663076	223.105	397.067960	16.252
RECTA	40.000	226.577979	0.000	420613.074	4577666.142	26.308680	93.665	5.713563	218.394658	242.925	397.799542	16.352
RECTA	50.084	223.778805	0.000	420608.986	4577656.924	26.276190	83.581	5.681074	218.720012	252.929	398.124895	16.402
RECTA	60.000	223.778805	0.000	420605.367	4577647.692	26.612248	73.673	6.017132	218.910685	262.815	398.315568	16.452
RECTA	73.410	223.779656	0.000	420600.474	4577635.206	27.242405	60.279	6.647289	219.146826	276.189	398.551710	16.519
RECTA	80.000	223.779656	0.000	420598.069	4577629.071	27.667118	53.701	7.072001	219.254698	282.761	398.659582	16.552
RECTA	83.245	223.781894	0.000	420596.885	4577626.050	27.916939	50.462	7.321822	219.305994	285.998	398.710878	16.568
RECTA	93.245	223.780236	0.000	420593.236	4577616.739	28.937574	40.488	8.342457	219.457098	295.974	398.861982	16.618
RECTA	100.000	223.780236	0.000	420590.771	4577610.450	29.968414	33.760	9.373298	219.553494	302.714	398.958377	16.652
RECTA	103.245	223.778974	0.000	420589.587	4577607.428	30.625141	30.532	10.030025	219.598294	305.952	399.003177	16.668
RECTA	113.245	223.776659	0.000	420585.938	4577598.118	33.940939	20.617	13.345822	219.730530	315.931	399.135414	16.718
RECTA	120.000	223.776659	0.000	420583.473	4577591.829	38.832431	13.990	18.237315	219.815171	322.673	399.220055	16.752
RECTA	123.246	223.774697	0.000	420582.289	4577588.807	43.293515	10.861	22.698398	219.854598	325.912	399.259481	16.768
RECTA	133.246	223.779448	0.000	420578.640	4577579.496	116.918141	3.297	96.323024	219.971232	335.894	399.376116	16.818
RECTA	140.000	223.779448	0.000	420576.176	4577573.208	193.642494	7.190	173.047378	220.046256	342.636	399.451140	16.852
RECTA	143.246	223.778811	0.000	420574.991	4577570.185	202.923175	10.187	182.328058	220.081271	345.877	399.486154	16.868
RECTA	153.247	223.778802	0.000	420571.342	4577560.874	213.254206	19.919	192.659090	220.185132	355.862	399.590016	16.918
RECTA	160.000	223.778802	0.000	420568.878	4577554.587	215.914312	26.602	195.319195	220.252019	362.604	399.656903	16.952
RECTA	163.247	223.778811	0.000	420567.693	4577551.563	216.768329	29.827	196.173212	220.283306	365.846	399.688190	16.968
RECTA	173.247	223.766125	0.000	420564.044	4577542.253	218.527159	39.781	197.932042	220.376262	375.831	399.781146	17.018
RECTA	180.000	223.766125	0.000	420561.581	4577535.965	219.286938	46.515	198.691821	220.436073	382.575	399.840956	17.052
RECTA	183.250	223.598324	0.000	420560.396	4577532.939	219.579237	49.757	198.984121	220.464109	385.820	399.868992	17.068
RECTA	193.259	223.186669	0.000	420556.770	4577523.610	220.252087	59.750	199.656971	220.543335	395.818	399.948219	17.118
RECTA	200.000	223.186669	0.000	420554.369	4577517.311	220.549517	66.485	199.954401	220.587585	402.553	399.992469	17.152
RECTA	203.277	222.532988	0.000	420553.202	4577514.249	220.673367	69.759	200.078251	220.608567	405.827	0.013451	17.168
RECTA	213.305	221.639352	0.000	420549.726	4577504.843	220.907062	79.783	200.311945	220.654965	415.850	0.059848	17.218
RECTA	220.000	221.639352	0.000	420547.494	4577498.531	220.963757	86.478	200.368640	220.670562	422.545	0.075445	17.252

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 133.601 Dis= 3.278
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 203.320

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	223.344	220.508120	0.000	420546.379	4577495.378	220.988910	89.822	200.393793	220.678169	425.889	0.083052	17.269
RECTA	233.400	219.141723	0.000	420543.195	4577485.839	220.940504	99.877	200.345388	220.674246	435.944	0.079130	17.319
RECTA	240.000	219.141723	0.000	420541.241	4577479.535	220.829017	106.475	200.233901	220.651392	442.543	0.056276	17.352
RECTA	243.478	217.539892	0.000	420540.211	4577476.214	220.775657	109.951	200.180541	220.639623	446.019	0.044506	17.369
RECTA	253.582	215.921558	0.000	420537.462	4577466.490	220.503401	120.044	199.908285	220.570978	456.112	399.975861	17.420
RECTA	260.000	215.921558	0.000	420535.873	4577460.272	220.271055	126.446	199.675938	220.506522	462.513	399.911405	17.452
CIRC.	262.230	215.921558	0.000	420535.321	4577458.112	220.195733	128.671	199.600617	220.484541	464.737	399.889424	17.463
CIRC.	280.000	241.061019	0.000	420527.681	4577442.195	221.194736	146.194	200.599620	220.776886	482.258	0.181769	17.159
CIRC.	284.989	248.118552	0.000	420524.468	4577438.383	221.950715	150.858	201.355599	221.015096	486.902	0.419979	16.960
CIRC.	300.000	230.743088	0.000	420515.780	4577426.198	223.513441	165.312	202.918325	221.557251	501.264	0.962135	16.359
CIRC.	320.000	207.593278	0.000	420509.881	4577407.203	223.047031	185.161	202.451914	221.466091	521.140	0.870974	15.559
RECTA	326.560	200.000000	0.000	420509.491	4577400.659	222.397717	191.429	201.802601	221.249267	527.448	0.654150	15.297
RECTA	340.000	200.000000	0.000	420509.491	4577387.219	220.952943	204.098	200.357826	220.730319	540.165	0.135202	14.759
RECTA	360.000	200.000000	0.000	420509.491	4577367.219	219.108222	223.119	198.513105	220.001844	559.150	399.406727	13.959
RECTA	380.000	200.000000	0.000	420509.491	4577347.219	217.554385	242.297	196.959269	219.321297	578.204	398.726180	13.159
RECTA	400.000	200.000000	0.000	420509.491	4577327.219	216.229142	261.598	195.634026	218.684239	597.320	398.089123	12.753
RECTA	420.000	200.000000	0.000	420509.491	4577307.219	215.086439	280.997	194.491322	218.086748	616.492	397.491631	12.653
CIRC.	426.191	200.000000	0.000	420509.491	4577301.027	214.764045	287.019	194.168929	217.909252	622.437	397.314136	12.622

CIRC.	440.000	205.860602	0.000	420508.856	4577287.238	214.223738	300.595	193.628621	217.587070	635.869	396.991954	12.553
CIRC.	460.000	214.348866	0.000	420505.697	4577267.504	213.967103	320.541	193.371987	217.359546	655.721	396.764430	12.453
CIRC.	480.000	222.837130	0.000	420499.943	4577248.365	214.238394	340.477	193.643278	217.396026	675.702	396.800909	12.353
CIRC.	500.000	231.325393	0.000	420491.695	4577230.161	214.946391	360.079	194.351275	217.673274	695.463	397.078158	12.253
CIRC.	520.000	239.813657	0.000	420481.101	4577213.215	216.014786	379.078	195.419670	218.167158	714.685	397.572041	12.153
CIRC.	540.000	248.301921	0.000	420468.348	4577197.828	217.380528	397.247	196.785411	218.853701	733.083	398.258584	12.053
CIRC.	553.658	254.098657	0.000	420458.513	4577188.357	218.457011	409.077	197.861895	219.421309	745.041	398.826192	12.054
CIRC.	560.000	252.483740	0.000	420453.803	4577184.111	218.963752	414.506	198.368636	219.694188	750.513	399.099071	12.156
CIRC.	580.000	247.390782	0.000	420439.679	4577169.958	220.340646	432.282	199.745530	220.451949	768.348	399.856832	12.462
CIRC.	600.000	242.297824	0.000	420426.730	4577154.723	221.400708	450.876	200.805591	221.056677	786.929	0.461561	12.258

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 133.601 Dis= 3.278
Distancia: 336.068 Azimut: 20.595117
BO : BR503 X: 420682.293 Y: 4577898.997 Z: 14.281 PK: 0.000 Dis= 203.320

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	620.000	237.204866	0.000	420415.041	4577138.501	222.170500	470.080	201.575383	221.513758	806.088	0.918642	12.014
CIRC.	640.000	232.111908	0.000	420404.686	4577121.397	222.677120	489.707	202.082004	221.829818	825.668	1.234701	11.879
RECTA	654.448	228.432726	0.000	420398.072	4577108.553	222.894282	504.053	202.299165	221.974586	839.990	1.379470	11.789
RECTA	660.000	228.432726	0.000	420395.674	4577103.546	222.954547	509.584	202.359430	222.016919	845.513	1.421803	11.753
RECTA	680.000	228.432726	0.000	420387.036	4577085.508	223.161206	529.513	202.566089	222.164940	865.414	1.569824	11.612
RECTA	700.000	228.432726	0.000	420378.397	4577067.469	223.352872	549.447	202.757755	222.306305	885.319	1.711189	11.500
RECTA	703.196	228.432726	0.000	420377.017	4577064.587	223.382216	552.633	202.787100	222.328307	888.500	1.733190	11.500

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 133.601 Dis= 3.278
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	226.577979	0.000	420629.293	4577702.706	26.389269	133.664	230.371648	2.731734	583.042	6.714112	16.181
RECTA	20.000	226.577979	0.000	420621.183	4577684.424	26.356065	113.665	230.338443	1.906432	564.476	5.888810	16.252
RECTA	40.000	226.577979	0.000	420613.074	4577666.142	26.308680	93.665	230.291058	1.025155	546.012	5.007533	16.352
RECTA	50.084	223.778805	0.000	420608.986	4577656.924	26.276190	83.581	230.258568	0.557881	536.744	4.540259	16.402
RECTA	60.000	223.778805	0.000	420605.367	4577647.692	26.612248	73.673	230.594626	0.130964	527.492	4.113343	16.452
RECTA	73.410	223.779656	0.000	420600.474	4577635.206	27.242405	60.279	231.224784	399.529264	515.019	3.511642	16.519
RECTA	80.000	223.779656	0.000	420598.069	4577629.071	27.667118	53.701	231.649496	399.222792	508.908	3.205170	16.552
RECTA	83.245	223.781894	0.000	420596.885	4577626.050	27.916939	50.462	231.899317	399.069161	505.903	3.051539	16.568
RECTA	93.245	223.780236	0.000	420593.236	4577616.739	28.937574	40.488	232.919952	398.583973	496.661	2.566352	16.618
RECTA	100.000	223.780236	0.000	420590.771	4577610.450	29.968414	33.760	233.950792	398.245922	490.435	2.228301	16.652
RECTA	103.245	223.778974	0.000	420589.587	4577607.428	30.625141	30.532	234.607519	398.080446	487.449	2.062824	16.668
RECTA	113.245	223.776659	0.000	420585.938	4577598.118	33.940939	20.617	237.923317	397.557579	478.269	1.539957	16.718
RECTA	120.000	223.776659	0.000	420583.473	4577591.829	38.832431	13.990	242.814809	397.192955	472.087	1.175333	16.752
RECTA	123.246	223.774697	0.000	420582.289	4577588.807	43.293515	10.861	247.275893	397.014329	469.122	0.996707	16.768
RECTA	133.246	223.779448	0.000	420578.640	4577579.496	116.918141	3.297	320.900519	396.449560	460.010	0.431939	16.818
RECTA	140.000	223.779448	0.000	420576.176	4577573.208	193.642494	7.190	397.624872	396.055239	453.878	0.037617	16.852
RECTA	143.246	223.778811	0.000	420574.991	4577570.185	202.923175	10.187	6.905553	395.861922	450.937	399.844300	16.868
RECTA	153.247	223.778802	0.000	420571.342	4577560.874	213.254206	19.919	17.236584	395.250128	441.902	399.232506	16.918
RECTA	160.000	223.778802	0.000	420568.878	4577554.587	215.914312	26.602	19.896690	394.822759	435.826	398.805137	16.952
RECTA	163.247	223.778811	0.000	420567.693	4577551.563	216.768329	29.827	20.750707	394.612979	432.911	398.595357	16.968
RECTA	173.247	223.766125	0.000	420564.044	4577542.253	218.527159	39.781	22.509537	393.948883	423.966	397.931261	17.018
RECTA	180.000	223.766125	0.000	420561.581	4577535.965	219.286938	46.515	23.269316	393.484510	417.951	397.466888	17.052
RECTA	183.250	223.598324	0.000	420560.396	4577532.939	219.579237	49.757	23.561615	393.256263	415.065	397.238641	17.068
RECTA	193.259	223.186669	0.000	420556.770	4577523.610	220.252087	59.750	24.234465	392.536548	406.197	396.518926	17.118
RECTA	200.000	223.186669	0.000	420554.369	4577517.311	220.549517	66.485	24.531895	392.040041	400.234	396.022419	17.152
RECTA	203.277	222.532988	0.000	420553.202	4577514.249	220.673367	69.759	24.655745	391.793287	397.345	395.775665	17.168
RECTA	213.305	221.639352	0.000	420549.726	4577504.843	220.907062	79.783	24.889440	391.030306	388.492	395.012684	17.218
RECTA	220.000	221.639352	0.000	420547.494	4577498.531	220.963757	86.478	24.946135	390.515009	382.568	394.497387	17.252

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 133.601 Dis= 3.278
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	223.344	220.508120	0.000	420546.379	4577495.378	220.988910	89.822	24.971288	390.251613	379.619	394.233991	17.269
RECTA	233.400	219.141723	0.000	420543.195	4577485.839	220.940504	99.877	24.922882	389.461415	370.706	393.443794	17.319
RECTA	240.000	219.141723	0.000	420541.241	4577479.535	220.829017	106.475	24.811395	388.943695	364.822	392.926073	17.352
RECTA	243.478	217.539892	0.000	420540.211	4577476.214	220.775657	109.951	24.758035	388.664146	361.732	392.646524	17.369
RECTA	253.582	215.921558	0.000	420537.462	4577466.490	220.503401	120.044	24.485779	387.864864	352.677	391.847242	17.420
RECTA	260.000	215.921558	0.000	420535.873	4577460.272	220.271055	126.446	24.253433	387.362427	346.883	391.344805	17.452
CIRC.	262.230	215.921558	0.000	420535.321	4577458.112	220.195733	128.671	24.178111	387.183896	344.875	391.166274	17.463
CIRC.	280.000	241.061019	0.000	420527.681	4577442.195	221.194736	146.194	25.177115	385.131552	330.981	389.113930	17.159
CIRC.	284.989	248.118552	0.000	420524.468	4577438.383	221.950715	150.858	25.933093	384.353560	328.040	388.335938	16.960
CIRC.	300.000	230.743088	0.000	420515.780	4577426.198	223.513441	165.312	27.495819	382.076493	318.539	386.058871	16.359
CIRC.	320.000	207.593278	0.000	420509.881	4577407.203	223.047031	185.161	27.029409	379.769963	302.129	383.752341	15.559
RECTA	326.560	200.000000	0.000	420509.491	4577400.659	222.397717	191.429	26.380095	379.250401	296.044	383.232779	15.297
RECTA	340.000	200.000000	0.000	420509.491	4577387.219	220.952943	204.098	24.935321	378.283480	283.344	382.265858	14.759
RECTA	360.000	200.000000	0.000	420509.491	4577367.219	219.108222	223.119	23.090600	376.673382	264.581	380.655760	13.959
RECTA	380.000	200.000000	0.000	420509.491	4577347.219	217.554385	242.297	21.536763	374.818897	246.013	378.801275	13.159
RECTA	400.000	200.000000	0.000	420509.491	4577327.219	216.229142	261.598	20.211521	372.663815	227.688	376.646193	12.753
RECTA	420.000	200.000000	0.000	420509.491	4577307.219	215.086439	280.997	19.068817	370.134986	209.669	374.117364	12.653
CIRC.	426.191	200.000000	0.000	420509.491	4577301.027	214.764045	287.019	18.746423	369.262162	204.166	373.244540	12.622
CIRC.	440.000	205.860602	0.000	420508.856	4577287.238	214.223738	300.595	18.206116	366.956840	192.374	370.939218	12.553
CIRC.	460.000	214.348866	0.000	420505.697	4577267.504	213.967103	320.541	17.949482	362.452081	177.249	366.434459	12.453
CIRC.	480.000	222.837130	0.000	420499.943	4577248.365	214.238394	340.477	18.220772	356.500786	165.266	360.483165	12.353
CIRC.	500.000	231.325393	0.000	420491.695	4577230.161	214.946391	360.079	18.928770	349.248638	157.376	353.231016	12.253
CIRC.	520.000	239.813657	0.000	420481.101	4577213.215	216.014786	379.078	19.997164	341.173850	154.354	345.156228	12.153
CIRC.	540.000	248.301921	0.000	420468.348	4577197.828	217.380528	397.247	21.362906	333.032278	156.538	337.014656	12.053
CIRC.	553.658	254.098657	0.000	420458.513	4577188.357	218.457011	409.077	22.439389	327.843360	160.916	331.825738	12.054
CIRC.	560.000	252.483740	0.000	420453.803	4577184.111	218.963752	414.506	22.946130	325.568147	163.488	329.550525	12.156
CIRC.	580.000	247.390782	0.000	420439.679	4577169.958	220.340646	432.282	24.323024	318.688168	171.959	322.670546	12.462
CIRC.	600.000	242.297824	0.000	420426.730	4577154.723	221.400708	450.876	25.383086	312.225342	180.877	316.207720	12.258

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR504 X: 420575.459 Y: 4577580.362 Z: 12.780 PK: 133.601 Dis= 3.278
Distancia: 461.063 Azimut: 196.017622
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	620.000	237.204866	0.000	420415.041	4577138.501	222.170500	470.080	26.152878	306.137087	190.124	310.119465	12.014
CIRC.	640.000	232.111908	0.000	420404.686	4577121.397	222.677120	489.707	26.659498	300.381365	199.600	304.363743	11.879
RECTA	654.448	228.432726	0.000	420398.072	4577108.553	222.894282	504.053	26.876660	296.407887	206.539	300.390265	11.789
RECTA	660.000	228.432726	0.000	420395.674	4577103.546	222.954547	509.584	26.936925	294.928055	209.272	298.910433	11.753
RECTA	680.000	228.432726	0.000	420387.036	4577085.508	223.161206	529.513	27.143584	289.918588	219.999	293.900966	11.612
RECTA	700.000	228.432726	0.000	420378.397	4577067.469	223.352872	549.447	27.335250	285.399934	231.958	289.382312	11.500
RECTA	703.196	228.432726	0.000	420377.017	4577064.587	223.382216	552.633	27.364594	284.721581	233.971	288.703959	11.500

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 635.213 Dis= -22.564

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	226.577979	0.000	420629.293	4577702.706	2.731734	583.042	104.850736	21.120938	622.361	323.239940	16.181
RECTA	20.000	226.577979	0.000	420621.183	4577684.424	1.906432	564.476	104.025434	20.939994	602.437	323.058996	16.252
RECTA	40.000	226.577979	0.000	420613.074	4577666.142	1.025155	546.012	103.144157	20.746674	582.518	322.865676	16.352

RECTA	50.084	223.778805	0.000	420608.986	4577656.924	0.557881	536.744	102.676883	20.644103	572.477	322.763106	16.402
RECTA	60.000	223.778805	0.000	420605.367	4577647.692	0.130964	527.492	102.249967	20.588871	562.573	322.707873	16.452
RECTA	73.410	223.779656	0.000	420600.474	4577635.206	399.529264	515.019	101.648266	20.511009	549.180	322.630012	16.519
RECTA	80.000	223.779656	0.000	420598.069	4577629.071	399.222792	508.908	101.341794	20.471330	542.599	322.590332	16.552
RECTA	83.245	223.781894	0.000	420596.885	4577626.050	399.069161	505.903	101.188163	20.451436	539.358	322.570438	16.568
RECTA	93.245	223.780236	0.000	420593.236	4577616.739	398.583973	496.661	100.702976	20.388550	529.372	322.507552	16.618
RECTA	100.000	223.780236	0.000	420590.771	4577610.450	398.245922	490.435	100.364925	20.344733	522.627	322.463735	16.652
RECTA	103.245	223.778974	0.000	420589.587	4577607.428	398.080446	487.449	100.199448	20.323278	519.386	322.442280	16.668
RECTA	113.245	223.776659	0.000	420585.938	4577598.118	397.557579	478.269	99.676581	20.255471	509.401	322.374473	16.718
RECTA	120.000	223.776659	0.000	420583.473	4577591.829	397.192955	472.087	99.311957	20.208179	502.657	322.327181	16.752
RECTA	123.246	223.774697	0.000	420582.289	4577588.807	397.014329	469.122	99.133331	20.184999	499.417	322.304002	16.768
RECTA	133.246	223.779448	0.000	420578.640	4577579.496	396.449560	460.010	98.568563	20.111693	489.433	322.230695	16.818
RECTA	140.000	223.779448	0.000	420576.176	4577573.208	396.055239	453.878	98.174241	20.060400	482.690	322.179402	16.852
RECTA	143.246	223.778811	0.000	420574.991	4577570.185	395.861922	450.937	97.980924	20.035235	479.449	322.154238	16.868
RECTA	153.247	223.778802	0.000	420571.342	4577560.874	395.250128	441.902	97.369130	19.955528	469.466	322.074530	16.918
RECTA	160.000	223.778802	0.000	420568.878	4577554.587	394.822759	435.826	96.941761	19.899769	462.725	322.018771	16.952
RECTA	163.247	223.778811	0.000	420567.693	4577551.563	394.612979	432.911	96.731981	19.872373	459.484	321.991375	16.968
RECTA	173.247	223.766125	0.000	420564.044	4577542.253	393.948883	423.966	96.067885	19.785526	449.504	321.904528	17.018
RECTA	180.000	223.766125	0.000	420561.581	4577535.965	393.484510	417.951	95.603512	19.724851	442.764	321.843853	17.052
RECTA	183.250	223.598324	0.000	420560.396	4577532.939	393.256263	415.065	95.375265	19.694991	439.521	321.813993	17.068
RECTA	193.259	223.186669	0.000	420556.770	4577523.610	392.536548	406.197	94.655550	19.604087	429.531	321.723089	17.118
RECTA	200.000	223.186669	0.000	420554.369	4577517.311	392.040041	400.234	94.159043	19.546999	422.801	321.666001	17.152
RECTA	203.277	222.532988	0.000	420553.202	4577514.249	391.793287	397.345	93.912289	19.518584	419.529	321.637586	17.168
RECTA	213.305	221.639352	0.000	420549.726	4577504.843	391.030306	388.492	93.149308	19.444800	409.513	321.563802	17.218
RECTA	220.000	221.639352	0.000	420547.494	4577498.531	390.515009	382.568	92.634011	19.408331	402.822	321.527333	17.252

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 635.213 Dis= -22.564

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	223.344	220.508120	0.000	420546.379	4577495.378	390.251613	379.619	92.370615	19.389658	399.480	321.508660	17.269
RECTA	233.400	219.141723	0.000	420543.195	4577485.839	389.461415	370.706	91.580418	19.360778	389.426	321.479781	17.319
RECTA	240.000	219.141723	0.000	420541.241	4577479.535	388.943695	364.822	91.062697	19.364555	382.825	321.483557	17.352
RECTA	243.478	217.539892	0.000	420540.211	4577476.214	388.664146	361.732	90.783148	19.366598	379.348	321.485600	17.369
RECTA	253.582	215.921558	0.000	420537.462	4577466.490	387.864864	352.677	89.983866	19.416580	369.247	321.535583	17.420
RECTA	260.000	215.921558	0.000	420535.873	4577460.272	387.362427	346.883	89.481429	19.478367	362.840	321.597369	17.452
CIRC.	262.230	215.921558	0.000	420535.321	4577458.112	387.183896	344.875	89.302898	19.500350	360.613	321.619352	17.463
CIRC.	280.000	241.061019	0.000	420527.681	4577442.195	385.131552	330.981	87.250554	19.039296	343.143	321.158298	17.159
CIRC.	284.989	248.118552	0.000	420524.468	4577438.383	384.353560	328.040	86.472562	18.673020	338.559	320.792023	16.960
CIRC.	300.000	230.743088	0.000	420515.780	4577426.198	382.076493	318.539	84.195495	17.732346	324.418	319.851348	16.359
CIRC.	320.000	207.593278	0.000	420509.881	4577407.203	379.769963	302.129	81.888965	17.638575	304.533	319.757577	15.559
RECTA	326.560	200.000000	0.000	420509.491	4577400.659	379.250401	296.044	81.369403	17.940579	298.135	320.059581	15.297
RECTA	340.000	200.000000	0.000	420509.491	4577387.219	378.283480	283.344	80.402482	18.774751	285.250	320.893753	14.759
RECTA	360.000	200.000000	0.000	420509.491	4577367.219	376.673382	264.581	78.792384	20.165200	266.177	322.284202	13.959
RECTA	380.000	200.000000	0.000	420509.491	4577347.219	374.818897	246.013	76.937899	21.769389	247.250	323.888391	13.159
RECTA	400.000	200.000000	0.000	420509.491	4577327.219	372.663815	227.688	74.782817	23.638104	228.506	325.757106	12.753
RECTA	420.000	200.000000	0.000	420509.491	4577307.219	370.134986	209.669	72.253988	25.838471	209.995	327.957473	12.653
CIRC.	426.191	200.000000	0.000	420509.491	4577301.027	369.262162	204.166	71.381164	26.600120	204.321	328.719122	12.622
CIRC.	440.000	205.860602	0.000	420508.856	4577287.238	366.956840	192.374	69.075842	28.267230	191.526	330.386232	12.553
CIRC.	460.000	214.348866	0.000	420505.697	4577267.504	362.452081	177.249	64.571083	30.344122	172.440	332.463125	12.453
CIRC.	480.000	222.837130	0.000	420499.943	4577248.365	356.500786	165.266	58.619789	31.872134	152.839	333.991136	12.353
CIRC.	500.000	231.325393	0.000	420491.695	4577230.161	349.248638	157.376	51.367640	32.591809	132.919	334.710811	12.253
CIRC.	520.000	239.813657	0.000	420481.101	4577213.215	341.173850	154.354	43.292852	32.065166	112.959	334.184168	12.153
CIRC.	540.000	248.301921	0.000	420468.348	4577197.828	333.032278	156.538	35.151280	29.513592	93.403	331.632594	12.053
CIRC.	553.658	254.098657	0.000	420458.513	4577188.357	327.843360	160.916	29.962362	25.911420	80.663	328.030422	12.054
CIRC.	560.000	252.483740	0.000	420453.803	4577184.111	325.568147	163.488	27.687149	23.664944	74.945	325.783946	12.156
CIRC.	580.000	247.390782	0.000	420439.679	4577169.958	318.688168	171.959	20.807170	14.709327	57.194	316.828329	12.462
CIRC.	600.000	242.297824	0.000	420426.730	4577154.723	312.225342	180.877	14.344344	0.235184	40.439	302.354186	12.258

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337
Distancia: 177.799 Azimut: 297.880998
BO : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 635.213 Dis= -22.564

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	620.000	237.204866	0.000	420415.041	4577138.501	306.137087	190.124	8.256089	371.690002	26.826	273.809004	12.014
CIRC.	640.000	232.111908	0.000	420404.686	4577121.397	300.381365	199.600	2.500367	319.995854	23.022	222.114856	11.879
RECTA	654.448	228.432726	0.000	420398.072	4577108.553	296.407887	206.539	398.526889	287.371285	29.079	189.490287	11.789
RECTA	660.000	228.432726	0.000	420395.674	4577103.546	294.928055	209.272	397.047057	278.712366	32.719	180.831369	11.753
RECTA	680.000	228.432726	0.000	420387.036	4577085.508	289.918588	219.999	392.037590	259.952629	48.907	162.071632	11.612
RECTA	700.000	228.432726	0.000	420378.397	4577067.469	285.399934	231.958	387.518936	250.917429	67.181	153.036431	11.500
RECTA	703.196	228.432726	0.000	420377.017	4577064.587	284.721581	233.971	386.840583	249.914779	70.188	152.033781	11.500

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 635.213 Dis= -22.564
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	226.577979	0.000	420629.293	4577702.706	21.120938	622.361	323.239940	2.731734	583.042	104.850736	16.181
RECTA	20.000	226.577979	0.000	420621.183	4577684.424	20.939994	602.437	323.058996	1.906432	564.476	104.025434	16.252
RECTA	40.000	226.577979	0.000	420613.074	4577666.142	20.746674	582.518	322.865676	1.025155	546.012	103.144157	16.352
RECTA	50.084	223.778805	0.000	420608.986	4577656.924	20.644103	572.477	322.763106	0.557881	536.744	102.676883	16.402
RECTA	60.000	223.778805	0.000	420605.367	4577647.692	20.588871	562.573	322.707873	0.130964	527.492	102.249967	16.452
RECTA	73.410	223.779656	0.000	420600.474	4577635.206	20.511009	549.180	322.630012	399.529264	515.019	101.648266	16.519
RECTA	80.000	223.779656	0.000	420598.069	4577629.071	20.471330	542.599	322.590332	399.222792	508.908	101.341794	16.552
RECTA	83.245	223.781894	0.000	420596.885	4577626.050	20.451436	539.358	322.570438	399.069161	505.903	101.188163	16.568
RECTA	93.245	223.780236	0.000	420593.236	4577616.739	20.388550	529.372	322.507552	398.583973	496.661	100.702976	16.618
RECTA	100.000	223.780236	0.000	420590.771	4577610.450	20.344733	522.627	322.463735	398.245922	490.435	100.364925	16.652
RECTA	103.245	223.778974	0.000	420589.587	4577607.428	20.323278	519.386	322.442280	398.080446	487.449	100.199448	16.668
RECTA	113.245	223.776659	0.000	420585.938	4577598.118	20.255471	509.401	322.374473	397.557579	478.269	99.676581	16.718
RECTA	120.000	223.776659	0.000	420583.473	4577591.829	20.208179	502.657	322.327181	397.192955	472.087	99.311957	16.752
RECTA	123.246	223.774697	0.000	420582.289	4577588.807	20.184999	499.417	322.304002	397.014329	469.122	99.133331	16.768
RECTA	133.246	223.779448	0.000	420578.640	4577579.496	20.111693	489.433	322.230695	396.449560	460.010	98.568563	16.818
RECTA	140.000	223.779448	0.000	420576.176	4577573.208	20.060400	482.690	322.179402	396.055239	453.878	98.174241	16.852
RECTA	143.246	223.778811	0.000	420574.991	4577570.185	20.035235	479.449	322.154238	395.861922	450.937	97.980924	16.868
RECTA	153.247	223.778802	0.000	420571.342	4577560.874	19.955528	469.466	322.074530	395.250128	441.902	97.369130	16.918
RECTA	160.000	223.778802	0.000	420568.878	4577554.587	19.899769	462.725	322.018771	394.822759	435.826	96.941761	16.952
RECTA	163.247	223.778811	0.000	420567.693	4577551.563	19.872373	459.484	321.991375	394.612979	432.911	96.731981	16.968
RECTA	173.247	223.766125	0.000	420564.044	4577542.253	19.785526	449.504	321.904528	393.948883	423.966	96.067885	17.018
RECTA	180.000	223.766125	0.000	420561.581	4577535.965	19.724851	442.764	321.843853	393.484510	417.951	95.603512	17.052
RECTA	183.250	223.598324	0.000	420560.396	4577532.939	19.694991	439.521	321.813993	393.256263	415.065	95.375265	17.068
RECTA	193.259	223.186669	0.000	420556.770	4577523.610	19.604087	429.531	321.723089	392.536548	406.197	94.655550	17.118
RECTA	200.000	223.186669	0.000	420554.369	4577517.311	19.546999	422.801	321.666001	392.040041	400.234	94.159043	17.152
RECTA	203.277	222.532988	0.000	420553.202	4577514.249	19.518584	419.529	321.637586	391.793287	397.345	93.912289	17.168
RECTA	213.305	221.639352	0.000	420549.726	4577504.843	19.444800	409.513	321.563802	391.030306	388.492	93.149308	17.218
RECTA	220.000	221.639352	0.000	420547.494	4577498.531	19.408331	402.822	321.527333	390.515009	382.568	92.634011	17.252

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 635.213 Dis= -22.564
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	223.344	220.508120	0.000	420546.379	4577495.378	19.389658	399.480	321.508660	390.251613	379.619	92.370615	17.269
RECTA	233.400	219.141723	0.000	420543.195	4577485.839	19.360778	389.426	321.479781	389.461415	370.706	91.580418	17.319
RECTA	240.000	219.141723	0.000	420541.241	4577479.535	19.364555	382.825	321.483557	388.943695	364.822	91.062697	17.352
RECTA	243.478	217.539892	0.000	420540.211	4577476.214	19.366598	379.348	321.485600	388.664146	361.732	90.783148	17.369

RECTA	253.582	215.921558	0.000	420537.462	4577466.490	19.416580	369.247	321.535583	387.864864	352.677	89.983866	17.420
RECTA	260.000	215.921558	0.000	420535.873	4577460.272	19.478367	362.840	321.597369	387.362427	346.883	89.481429	17.452
CIRC.	262.230	215.921558	0.000	420535.321	4577458.112	19.500350	360.613	321.619352	387.183896	344.875	89.302898	17.463
CIRC.	280.000	241.061019	0.000	420527.681	4577442.195	19.039296	343.143	321.158298	385.131552	330.981	87.250554	17.159
CIRC.	284.989	248.118552	0.000	420524.468	4577438.383	18.673020	338.559	320.792023	384.353560	328.040	86.472562	16.960
CIRC.	300.000	230.743088	0.000	420515.780	4577426.198	17.732346	324.418	319.851348	382.076493	318.539	84.195495	16.359
CIRC.	320.000	207.593278	0.000	420509.881	4577407.203	17.638575	304.533	319.757577	379.769963	302.129	81.888965	15.559
RECTA	326.560	200.000000	0.000	420509.491	4577400.659	17.940579	298.135	320.059581	379.250401	296.044	81.369403	15.297
RECTA	340.000	200.000000	0.000	420509.491	4577387.219	18.774751	285.250	320.893753	378.283480	283.344	80.402482	14.759
RECTA	360.000	200.000000	0.000	420509.491	4577367.219	20.165200	266.177	322.284202	376.673382	264.581	78.792384	13.959
RECTA	380.000	200.000000	0.000	420509.491	4577347.219	21.769389	247.250	323.888391	374.818897	246.013	76.937899	13.159
RECTA	400.000	200.000000	0.000	420509.491	4577327.219	23.638104	228.506	325.757106	372.663815	227.688	74.782817	12.753
RECTA	420.000	200.000000	0.000	420509.491	4577307.219	25.838471	209.995	327.957473	370.134986	209.669	72.253988	12.653
CIRC.	426.191	200.000000	0.000	420509.491	4577301.027	26.600120	204.321	328.719122	369.262162	204.166	71.381164	12.622
CIRC.	440.000	205.860602	0.000	420508.856	4577287.238	28.267230	191.526	330.386232	366.956840	192.374	69.075842	12.553
CIRC.	460.000	214.348866	0.000	420505.697	4577267.504	30.344122	172.440	332.463125	362.452081	177.249	64.571083	12.453
CIRC.	480.000	222.837130	0.000	420499.943	4577248.365	31.872134	152.839	333.991136	356.500786	165.266	58.619789	12.353
CIRC.	500.000	231.325393	0.000	420491.695	4577230.161	32.591809	132.919	334.710811	349.248638	157.376	51.367640	12.253
CIRC.	520.000	239.813657	0.000	420481.101	4577213.215	32.065166	112.959	334.184168	341.173850	154.354	43.292852	12.153
CIRC.	540.000	248.301921	0.000	420468.348	4577197.828	29.513592	93.403	331.632594	333.032278	156.538	35.151280	12.053
CIRC.	553.658	254.098657	0.000	420458.513	4577188.357	25.911420	80.663	328.030422	327.843360	160.916	29.962362	12.054
CIRC.	560.000	252.483740	0.000	420453.803	4577184.111	23.664944	74.945	325.783946	325.568147	163.488	27.687149	12.156
CIRC.	580.000	247.390782	0.000	420439.679	4577169.958	14.709327	57.194	316.828329	318.688168	171.959	20.807170	12.462
CIRC.	600.000	242.297824	0.000	420426.730	4577154.723	0.235184	40.439	302.354186	312.225342	180.877	14.344344	12.258

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 315 : Carril bici 01

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR506 X: 420426.581 Y: 4577114.284 Z: 10.879 PK: 635.213 Dis= -22.564
Distancia: 177.799 Azimut: 97.880998
BO : BR505 X: 420604.282 Y: 4577120.201 Z: 18.431 PK: 521.625 Dis=-154.337

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	620.000	237.204866	0.000	420415.041	4577138.501	371.690002	26.826	273.809004	306.137087	190.124	8.256089	12.014
CIRC.	640.000	232.111908	0.000	420404.686	4577121.397	319.995854	23.022	222.114856	300.381365	199.600	2.500367	11.879
RECTA	654.448	228.432726	0.000	420398.072	4577108.553	287.371285	29.079	189.490287	296.407887	206.539	398.526889	11.789
RECTA	660.000	228.432726	0.000	420395.674	4577103.546	278.712366	32.719	180.831369	294.928055	209.272	397.047057	11.753
RECTA	680.000	228.432726	0.000	420387.036	4577085.508	259.952629	48.907	162.071632	289.918588	219.999	392.037590	11.612
RECTA	700.000	228.432726	0.000	420378.397	4577067.469	250.917429	67.181	153.036431	285.399934	231.958	387.518936	11.500
RECTA	703.196	228.432726	0.000	420377.017	4577064.587	249.914779	70.188	152.033781	284.721581	233.971	386.840583	11.500

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 9 : carril bici
EJE : 316 : Carril bici Mas Blau

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 54.137 Dis= -2.548
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 56.032 Dis=-110.978

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	256.743616	0.000	422913.866	4574348.878	21.036135	50.718	283.855685	361.645477	130.956	24.465027	7.545
CIRC.	15.516	256.743616	0.000	422901.796	4574339.128	7.272649	38.475	270.092199	354.091484	130.681	16.911034	7.935
CIRC.	20.000	228.197453	0.000	422899.045	4574335.634	2.993989	34.770	265.813539	351.948889	129.948	14.768439	8.159
RECTA	23.551	205.591039	0.000	422898.118	4574332.226	1.439072	31.331	264.258621	350.453145	128.135	13.272695	8.336
RECTA	40.000	205.591039	0.000	422896.675	4574315.840	396.871684	14.955	259.691234	343.688166	118.146	6.507716	9.103
CIRC.	51.288	205.591039	0.000	422895.685	4574304.596	372.186230	4.076	235.005780	338.389324	112.175	1.208874	9.429
CIRC.	60.000	261.056254	0.000	422891.467	4574297.287	265.199827	6.957	128.019376	333.595230	111.821	396.414780	9.927
RECTA	62.810	278.947498	0.000	422888.971	4574296.015	266.577868	9.753	129.397418	332.272372	113.362	395.091922	10.055
RECTA	64.951	278.947498	0.000	422886.946	4574295.320	268.797245	11.860	131.616795	331.390152	114.806	394.209702	10.152

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GRUPO 10
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Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 294.920 Dis= 118.456
Distancia: 108.680 Azimut: 337.180450
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	223.901612	334.498	286.721161	205.473994	372.499	68.293544	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	224.657226	314.873	287.476776	205.108154	352.608	67.927704	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	225.617513	295.409	288.437062	204.793181	332.681	67.612731	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	226.823382	276.156	289.642932	204.538903	312.723	67.358453	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	228.326256	257.171	291.145806	204.357828	292.742	67.177378	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	230.191087	238.534	293.010637	204.266129	272.747	67.085679	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	232.500087	220.345	295.319637	204.285066	252.747	67.104616	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	235.356973	202.737	298.176522	204.443138	232.757	67.262688	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	238.890960	185.889	301.710509	204.779401	212.792	67.598951	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	243.258347	170.037	306.077896	205.348753	192.875	68.168303	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	248.636759	155.498	311.456309	206.230681	173.036	69.050231	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	250.305823	151.807	313.125373	206.540371	167.635	69.359921	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	255.201537	142.682	318.021087	207.542584	153.320	70.362134	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	261.032434	134.413	323.851984	208.919441	138.514	71.738991	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	263.065702	132.060	325.885252	209.449501	133.786	72.269051	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	272.208429	124.161	335.027978	212.221279	114.526	75.040829	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	278.576921	120.811	341.396471	214.640571	102.515	77.460121	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	282.386226	119.527	345.205776	216.351473	95.715	79.171022	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	293.081304	118.582	355.900854	222.779498	77.709	85.599048	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	294.385219	118.731	357.204769	223.794186	75.603	86.613736	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	303.587160	121.497	366.406710	233.325606	61.290	96.145156	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	313.244825	128.030	376.064375	251.050140	48.149	113.869689	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	321.655937	137.661	384.475487	278.122478	41.536	140.942028	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	328.710071	149.788	391.529620	307.691007	44.471	170.510556	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	334.491305	163.850	397.310855	329.216856	55.457	192.036406	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	339.170852	179.381	1.990402	342.225291	70.836	205.044841	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	342.936403	196.024	5.755953	350.023020	88.335	212.842570	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	345.958713	213.508	8.778263	354.883421	106.908	217.702971	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 294.920 Dis= 118.456
Distancia: 108.680 Azimut: 337.180450
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	348.265729	230.657	11.085279	357.888163	125.046	220.707712	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	348.380886	231.629	11.200436	358.023405	126.070	220.842955	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	350.321412	250.234	13.140962	360.100769	145.575	222.920319	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	351.884182	269.191	14.703732	361.503425	165.281	224.322975	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	353.152873	288.405	15.972423	362.465817	185.105	225.285367	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	354.193187	307.803	17.012737	363.134850	204.999	225.954400	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	355.056889	327.334	17.876438	363.606680	224.936	226.426230	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	355.524363	339.556	18.343913	363.830795	237.374	226.650345	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	355.784902	346.959	18.604452	363.946488	244.897	226.766038	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	356.405319	366.654	19.224869	364.193562	264.872	227.013112	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	356.934735	386.408	19.754285	364.367971	284.858	227.187521	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	357.069112	391.974	19.888662	364.405988	290.481	227.225538	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	357.386341	406.209	20.205891	364.484148	304.851	227.303698	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	357.772107	426.050	20.591657	364.554512	324.847	227.374062	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	358.102554	445.921	20.922104	364.589414	344.847	227.408964	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	358.386457	465.818	21.206007	364.596948	364.846	227.416497	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	358.631184	485.734	21.450733	364.583528	384.846	227.403078	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	358.842960	505.666	21.662509	364.554301	404.845	227.373851	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	359.027081	525.610	21.846630	364.513446	424.844	227.332996	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	359.188077	545.564	22.007627	364.464389	444.841	227.283939	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	359.329845	565.526	22.149395	364.409966	464.837	227.229516	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	359.455756	585.494	22.275306	364.352547	484.832	227.172096	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	359.568738	605.466	22.388288	364.294123	504.827	227.113673	8.922

CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	359.671346	625.441	22.490895	364.236384	524.822	227.055934			9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	359.765821	645.419	22.585371	364.180772	544.816	227.000321			10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	359.801115	653.260	22.620664	364.159802	552.664	226.979352			10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	359.854089	665.398	22.673639	364.128468	564.811	226.948018			11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	359.937199	685.379	22.756749	364.079726	584.806	226.899276			12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 294.920 Dis= 118.456
Distancia: 108.680 Azimut: 337.180450
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	360.015601	705.360	22.835151	364.034208	604.802	226.853757	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	360.089682	725.343	22.909232	363.991603	624.798	226.811152	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	360.136178	738.474	22.955728	363.965061	637.937	226.784611	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 294.920 Dis= 118.456

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	205.473994	372.499	68.293544	223.901612	334.498	286.721161	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	205.108154	352.608	67.927704	224.657226	314.873	287.476776	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	204.793181	332.681	67.612731	225.617513	295.409	288.437062	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	204.538903	312.723	67.358453	226.823382	276.156	289.642932	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	204.357828	292.742	67.177378	228.326256	257.171	291.145806	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	204.266129	272.747	67.085679	230.191087	238.534	293.010637	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	204.285066	252.747	67.104616	232.500087	220.345	295.319637	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	204.443138	232.757	67.262688	235.356973	202.737	298.176522	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	204.779401	212.792	67.598951	238.890960	185.889	301.710509	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	205.348753	192.875	68.168303	243.258347	170.037	306.077896	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	206.230681	173.036	69.050231	248.636759	155.498	311.456309	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	206.540371	167.635	69.359921	250.305823	151.807	313.125373	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	207.542584	153.320	70.362134	255.201537	142.682	318.021087	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	208.919441	138.514	71.738991	261.032434	134.413	323.851984	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	209.449501	133.786	72.269051	263.065702	132.060	325.885252	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	212.221279	114.526	75.040829	272.208429	124.161	335.027978	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	214.640571	102.515	77.460121	278.576921	120.811	341.396471	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	216.351473	95.715	79.171022	282.386226	119.527	345.205776	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	222.779498	77.709	85.599048	293.081304	118.582	355.900854	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	223.794186	75.603	86.613736	294.385219	118.731	357.204769	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	233.325606	61.290	96.145156	303.587160	121.497	366.406710	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	251.050140	48.149	113.869689	313.244825	128.030	376.064375	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	278.122478	41.536	140.942028	321.655937	137.661	384.475487	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	307.691007	44.471	170.510556	328.710071	149.788	391.529620	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	329.216856	55.457	192.036406	334.491305	163.850	397.310855	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	342.225291	70.836	205.044841	339.170852	179.381	1.990402	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	350.023020	88.335	212.842570	342.936403	196.024	5.755953	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	354.883421	106.908	217.702971	345.958713	213.508	8.778263	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 294.920 Dis= 118.456

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	357.888163	125.046	220.707712	348.265729	230.657	11.085279	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	358.023405	126.070	220.842955	348.380886	231.629	11.200436	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	360.100769	145.575	222.920319	350.321412	250.234	13.140962	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	361.503425	165.281	224.322975	351.884182	269.191	14.703732	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	362.465817	185.105	225.285367	353.152873	288.405	15.972423	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	363.134850	204.999	225.954400	354.193187	307.803	17.012737	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	363.606680	224.936	226.426230	355.056889	327.334	17.876438	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	363.830795	237.374	226.650345	355.524363	339.556	18.343913	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	363.946488	244.897	226.766038	355.784902	346.959	18.604452	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	364.193562	264.872	227.013112	356.405319	366.654	19.224869	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	364.367971	284.858	227.187521	356.934735	386.408	19.754285	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	364.405988	290.481	227.225538	357.069112	391.974	19.888662	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	364.484148	304.851	227.303698	357.386341	406.209	20.205891	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	364.554512	324.847	227.374062	357.772107	426.050	20.591657	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	364.589414	344.847	227.408964	358.102554	445.921	20.922104	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	364.596948	364.846	227.416497	358.386457	465.818	21.206007	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	364.583528	384.846	227.403078	358.631184	485.734	21.450733	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	364.554301	404.845	227.373851	358.842960	505.666	21.662509	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	364.513446	424.844	227.332996	359.027081	525.610	21.846630	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	364.464389	444.841	227.283939	359.188077	545.564	22.007627	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	364.409966	464.837	227.229516	359.329845	565.526	22.149395	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	364.352547	484.832	227.172096	359.455756	585.494	22.275306	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	364.294123	504.827	227.113673	359.568738	605.466	22.388288	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	364.236384	524.822	227.055934	359.671346	625.441	22.490895	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	364.180772	544.816	227.000321	359.765821	645.419	22.585371	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	364.159802	552.664	226.979352	359.801115	653.260	22.620664	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	364.128468	564.811	226.948018	359.854089	665.398	22.673639	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	364.079726	584.806	226.899276	359.937199	685.379	22.756749	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 294.920 Dis= 118.456

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	364.034208	604.802	226.853757	360.015601	705.360	22.835151	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	363.991603	624.798	226.811152	360.089682	725.343	22.909232	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	363.965061	637.937	226.784611	360.136178	738.474	22.955728	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329
Distancia: 224.148 Azimut: 372.379786
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	205.473994	372.499	233.094208	193.130289	577.865	20.750503	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	205.108154	352.608	232.728368	192.466951	558.762	20.087165	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	204.793181	332.681	232.413396	191.812659	539.575	19.432874	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	204.538903	312.723	232.159117	191.168459	520.308	18.788674	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	204.357828	292.742	231.978042	190.535561	500.963	18.155775	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	204.266129	272.747	231.886343	189.915376	481.545	17.535590	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	204.285066	252.747	231.905280	189.309561	462.055	16.929775	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	204.443138	232.757	232.063353	188.720072	442.499	16.340286	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	204.779401	212.792	232.399615	188.149235	422.879	15.769449	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	205.348753	192.875	232.968968	187.599841	403.200	15.220055	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	206.230681	173.036	233.850895	187.075263	383.465	14.695477	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	206.540371	167.635	234.160585	186.936793	378.064	14.557007	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	207.542584	153.320	235.162798	186.578896	363.678	14.199110	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	208.919441	138.514	236.539655	186.220345	348.674	13.840559	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	209.449501	133.786	237.069715	186.107736	343.850	13.727950	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	212.221279	114.526	239.841493	185.657764	323.990	13.277978	4.818

CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	214.640571	102.515	242.260785	185.384463	311.367	13.004677	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	216.351473	95.715	243.971687	185.232360	304.101	12.852574	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	222.779498	77.709	250.399712	184.845826	284.181	12.466040	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	223.794186	75.603	251.414400	184.802866	281.754	12.423080	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	233.325606	61.290	260.945820	184.527722	264.229	12.147936	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	251.050140	48.149	278.670354	184.301164	244.250	11.921378	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	278.122478	41.536	305.742692	184.190750	224.255	11.810964	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	307.691007	44.471	335.311221	184.230661	204.256	11.850875	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	329.216856	55.457	356.837070	184.469790	184.270	12.090004	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	342.225291	70.836	369.845505	184.980492	164.319	12.600706	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	350.023020	88.335	377.643234	185.874284	144.437	13.494498	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	354.883421	106.908	382.503635	187.331720	124.675	14.951935	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329
Distancia: 224.148 Azimut: 372.379786
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	357.888163	125.046	385.508377	189.510338	106.148	17.130552	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	358.023405	126.070	385.643619	189.663331	105.120	17.283545	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	360.100769	145.575	387.720983	193.434976	85.929	21.055191	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	361.503425	165.281	389.123639	199.753410	67.410	27.373624	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	362.465817	185.105	390.086031	211.064069	50.285	38.684283	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	363.134850	204.999	390.755064	232.727605	36.524	60.347819	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	363.606680	224.936	391.226894	269.611051	30.929	97.231265	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	363.830795	237.374	391.451009	293.751994	33.660	121.372208	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	363.946488	244.897	391.566702	305.605968	37.314	133.226182	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	364.193562	264.872	391.813776	326.388346	51.369	154.008560	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	364.367971	284.858	391.988185	337.433516	68.524	165.053730	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	364.405988	290.481	392.026202	339.567122	73.622	167.187336	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	364.484148	304.851	392.104363	343.824539	86.963	171.444753	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	364.554512	324.847	392.174726	347.860415	106.015	175.480629	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	364.589414	344.847	392.209628	350.586033	125.396	178.206247	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	364.596948	364.846	392.217162	352.521165	144.972	180.141379	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	364.583528	384.846	392.203742	353.948360	164.669	181.568574	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	364.554301	404.845	392.174515	355.032939	184.448	182.653153	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	364.513446	424.844	392.133660	355.877570	204.281	183.497784	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	364.464389	444.841	392.084603	356.549179	224.153	184.169393	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	364.409966	464.837	392.030180	357.093178	244.053	184.713392	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	364.352547	484.832	391.972761	357.541423	263.973	185.161637	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	364.294123	504.827	391.914337	357.916902	283.908	185.537116	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	364.236384	524.822	391.856598	358.236612	303.853	185.856826	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	364.180772	544.816	391.800986	358.513382	323.807	186.133596	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	364.159802	552.664	391.780016	358.612500	331.640	186.232714	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	364.128468	564.811	391.748682	358.756987	343.766	186.377201	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	364.079726	584.806	391.699940	358.973830	363.730	186.594044	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329
Distancia: 224.148 Azimut: 372.379786
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	364.034208	604.802	391.654422	359.168107	383.697	186.788321	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	363.991603	624.798	391.611817	359.343163	403.668	186.963377	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	363.965061	637.937	391.585275	359.449056	416.792	187.069270	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	193.130289	577.865	20.750503	205.473994	372.499	233.094208	4.540

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	193.130289	577.865	20.750503	205.473994	372.499	233.094208	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	192.466951	558.762	20.087165	205.108154	352.608	232.728368	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	191.812659	539.575	19.432874	204.793181	332.681	232.413396	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	191.168459	520.308	18.788674	204.538903	312.723	232.159117	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	190.535561	500.963	18.155775	204.357828	292.742	231.978042	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	189.915376	481.545	17.535590	204.266129	272.747	231.886343	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	189.309561	462.055	16.929775	204.285066	252.747	231.905280	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	188.720072	442.499	16.340286	204.443138	232.757	232.063353	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	188.149235	422.879	15.769449	204.779401	212.792	232.399615	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	187.599841	403.200	15.220055	205.348753	192.875	232.968968	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	187.075263	383.465	14.695477	206.230681	173.036	233.850895	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	186.936793	378.064	14.557007	206.540371	167.635	234.160585	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	186.578896	363.678	14.199110	207.542584	153.320	235.162798	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	186.220345	348.674	13.840559	208.919441	138.514	236.539655	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	186.107736	343.850	13.727950	209.449501	133.786	237.069715	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	185.657764	323.990	13.277978	212.221279	114.526	239.841493	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	185.384463	311.367	13.004677	214.640571	102.515	242.260785	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	185.232360	304.101	12.852574	216.351473	95.715	243.971687	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	184.845826	284.181	12.466040	222.779498	77.709	250.399712	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	184.802866	281.754	12.423080	223.794186	75.603	251.414400	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	184.527722	264.229	12.147936	233.325606	61.290	260.945820	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	184.301164	244.250	11.921378	251.050140	48.149	278.670354	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	184.190750	224.255	11.810964	278.122478	41.536	305.742692	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	184.230661	204.256	11.850875	307.691007	44.471	335.311221	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	184.469790	184.270	12.090004	329.216856	55.457	356.837070	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	184.980492	164.319	12.600706	342.225291	70.836	369.845505	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	185.874284	144.437	13.494498	350.023020	88.335	377.643234	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	187.331720	124.675	14.951935	354.883421	106.908	382.503635	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	189.510338	106.148	17.130552	357.888163	125.046	385.508377	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	189.663331	105.120	17.283545	358.023405	126.070	385.643619	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	193.434976	85.929	21.055191	360.100769	145.575	387.720983	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	199.753410	67.410	27.373624	361.503425	165.281	389.123639	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	211.064069	50.285	38.684283	362.465817	185.105	390.086031	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	232.727605	36.524	60.347819	363.134850	204.999	390.755064	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	269.611051	30.929	97.231265	363.606680	224.936	391.226894	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	293.751994	33.660	121.372208	363.830795	237.374	391.451009	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	305.605968	37.314	133.226182	363.946488	244.897	391.566702	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	326.388346	51.369	154.008560	364.193562	264.872	391.813776	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	337.433516	68.524	165.053730	364.367971	284.858	391.988185	5.134

CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	339.567122	73.622	167.187336	364.405988	290.481	392.026202	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	343.824539	86.963	171.444753	364.484148	304.851	392.104363	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	347.860415	106.015	175.480629	364.554512	324.847	392.174726	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	350.586033	125.396	178.206247	364.589414	344.847	392.209628	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	352.521165	144.972	180.141379	364.596948	364.846	392.217162	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	353.948360	164.669	181.568574	364.583528	384.846	392.203742	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	355.032939	184.448	182.653153	364.554301	404.845	392.174515	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	355.877570	204.281	183.497784	364.513446	424.844	392.133660	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	356.549179	224.153	184.169393	364.464389	444.841	392.084603	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	357.093178	244.053	184.713392	364.409966	464.837	392.030180	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	357.541423	263.973	185.161637	364.352547	484.832	391.972761	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	357.916902	283.908	185.537116	364.294123	504.827	391.914337	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	358.236612	303.853	185.856826	364.236384	524.822	391.856598	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	358.513382	323.807	186.133596	364.180772	544.816	391.800986	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	358.612500	331.640	186.232714	364.159802	552.664	391.780016	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	358.756987	343.766	186.377201	364.128468	564.811	391.748682	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	358.973830	363.730	186.594044	364.079726	584.806	391.699940	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
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EJE : 170 : Tronco calzada existente

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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 364.029 Dis= 41.329

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	359.168107	383.697	186.788321	364.034208	604.802	391.654422	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	359.343163	403.668	186.963377	363.991603	624.798	391.611817	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	359.449056	416.792	187.069270	363.965061	637.937	391.585275	14.249

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 142.260 Azimut: 366.166979
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	193.130289	577.865	226.963311	187.881632	709.967	21.714653	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	192.466951	558.762	226.299972	187.202300	691.418	21.035321	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	191.812659	539.575	225.645681	186.529133	672.764	20.362155	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	191.168459	520.308	225.001481	185.862697	654.008	19.695719	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	190.535561	500.963	224.368583	185.203627	635.155	19.036649	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	189.915376	481.545	223.748398	184.552641	616.206	18.385662	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	189.309561	462.055	223.142582	183.910550	597.165	17.743571	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	188.720072	442.499	222.553093	183.278282	578.036	17.111303	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	188.149235	422.879	221.982256	182.656893	558.821	16.489915	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	187.599841	403.200	221.432862	182.047600	539.524	15.880621	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	187.075263	383.465	220.908284	181.451803	520.149	15.284825	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	186.936793	378.064	220.769815	181.291596	514.843	15.124617	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	186.578896	363.678	220.411918	180.870614	500.700	14.703635	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	186.220345	348.674	220.053366	180.438294	485.938	14.271315	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	186.107736	343.850	219.940757	180.300269	481.190	14.133290	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	185.657764	323.990	219.490785	179.736168	461.631	13.569189	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	185.384463	311.367	219.217484	179.381331	449.190	13.214352	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	185.232360	304.101	219.065382	179.178610	442.027	13.011631	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	184.845826	284.181	218.678847	178.634560	422.371	12.467582	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	184.802866	281.754	218.635887	178.570032	419.974	12.403054	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	184.527722	264.229	218.360743	178.119455	402.652	11.952476	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	184.301164	244.250	218.134185	177.641793	382.871	11.474815	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	184.190750	224.255	218.023771	177.207833	363.033	11.040854	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	184.230661	204.256	218.063682	176.825289	343.147	10.658310	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	184.469790	184.270	218.302811	176.503789	323.218	10.336810	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	184.980492	164.319	218.813513	176.255507	303.256	10.088528	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	185.874284	144.437	219.707305	176.096048	283.270	9.929069	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	187.331720	124.675	221.164742	176.045736	263.272	9.878757	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 142.260 Azimut: 366.166979
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	189.510338	106.148	223.343360	176.123027	244.334	9.956049	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	189.663331	105.120	223.496352	176.131522	243.276	9.964543	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	193.434976	85.929	227.267998	176.386151	223.298	10.219172	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	199.753410	67.410	233.586431	176.841051	203.356	10.674072	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	211.064069	50.285	244.897090	177.537693	183.469	11.370714	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	232.727605	36.524	266.560626	178.537189	163.655	12.370211	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	269.611051	30.929	303.444073	179.933348	143.940	13.766370	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	293.751994	33.660	327.585015	181.067439	131.719	14.900460	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	305.605968	37.314	339.438990	181.877799	124.362	15.710820	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	326.388346	51.369	360.221368	184.646288	104.989	18.479309	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	337.433516	68.524	371.266537	188.774371	85.961	22.607392	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	339.567122	73.622	373.400144	190.306834	80.705	24.139855	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	343.824539	86.963	377.657561	195.345369	67.572	29.178390	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	347.860415	106.015	381.693436	206.748488	50.520	40.581510	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	350.586033	125.396	384.419055	228.235944	36.710	62.068965	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	352.521165	144.972	386.354186	264.915245	30.843	98.748266	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	353.948360	164.669	387.781381	301.367696	36.911	135.200717	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	355.032939	184.448	388.865961	322.628827	50.797	156.461849	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	355.877570	204.281	389.710591	333.968878	67.853	167.801899	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	356.549179	224.153	390.382200	340.572156	86.214	174.405177	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	357.093178	244.053	390.926199	344.787205	105.195	178.620226	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	357.541423	263.973	391.374444	347.676764	124.508	181.509785	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	357.916902	283.908	391.749923	349.768108	144.019	183.601129	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	358.236612	303.853	392.069633	351.347266	163.653	185.180287	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	358.513382	323.807	392.346403	352.581318	183.369	186.414340	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	358.612500	331.640	392.445521	352.995314	191.123	186.828335	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	358.756987	343.766	392.590008	353.573735	203.141	187.406756	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	358.973830	363.730	392.806852	354.389901	222.954	188.222922	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920
Distancia: 142.260 Azimut: 366.166979
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	359.168107	383.697	393.001128	355.072755	242.798	188.905777	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	359.343163	403.668	393.176184	355.652369	262.665	189.485390	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	359.449056	416.792	393.282077	355.987735	275.730	189.820756	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842
Distancia: 142.260 Azimut: 166.166979
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	187.881632	709.967	21.714653	193.130289	577.865	226.963311	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	187.202300	691.418	21.035321	192.466951	558.762	226.299972	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	186.529133	672.764	20.362155	191.812659	539.575	225.645681	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	185.862697	654.008	19.695719	191.168459	520.308	225.001481	4.579

CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	185.203627	635.155	19.036649	190.535561	500.963	224.368583	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	184.552641	616.206	18.385662	189.915376	481.545	223.748398	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	183.910550	597.165	17.743571	189.309561	462.055	223.142582	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	183.278282	578.036	17.111303	188.720072	442.499	222.553093	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	182.656893	558.821	16.489915	188.149235	422.879	221.982256	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	182.047600	539.524	15.880621	187.599841	403.200	221.432862	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	181.451803	520.149	15.284825	187.075263	383.465	220.908284	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	181.291596	514.843	15.124617	186.936793	378.064	220.769815	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	180.870614	500.700	14.703635	186.578896	363.678	220.411918	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	180.438294	485.938	14.271315	186.220345	348.674	220.053366	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	180.300269	481.190	14.133290	186.107736	343.850	219.940757	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	179.736168	461.631	13.569189	185.657764	323.990	219.490785	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	179.381331	449.190	13.214352	185.384463	311.367	219.217484	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	179.178610	442.027	13.011631	185.232360	304.101	219.065382	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	178.634560	422.371	12.467582	184.845826	284.181	218.678847	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	178.570032	419.974	12.403054	184.802866	281.754	218.635887	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	178.119455	402.652	11.952476	184.527722	264.229	218.360743	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	177.641793	382.871	11.474815	184.301164	244.250	218.134185	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	177.207833	363.033	11.040854	184.190750	224.255	218.023771	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	176.825289	343.147	10.658310	184.230661	204.256	218.063682	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	176.503789	323.218	10.336810	184.469790	184.270	218.302811	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	176.255507	303.256	10.088528	184.980492	164.319	218.813513	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	176.096048	283.270	9.929069	185.874284	144.437	219.707305	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	176.045736	263.272	9.878757	187.331720	124.675	221.164742	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842
Distancia: 142.260 Azimut: 166.166979
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	176.123027	244.334	9.956049	189.510338	106.148	223.343360	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	176.131522	243.276	9.964543	189.663331	105.120	223.496352	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	176.386151	223.298	10.219172	193.434976	85.929	227.267998	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	176.841051	203.356	10.674072	199.753410	67.410	233.586431	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	177.537693	183.469	11.370714	211.064069	50.285	244.897090	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	178.537189	163.655	12.370211	232.727605	36.524	266.560626	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	179.933348	143.940	13.766370	269.611051	30.929	303.444073	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	181.067439	131.719	14.900460	293.751994	33.660	327.585015	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	181.877799	124.362	15.710820	305.605968	37.314	339.438990	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	184.646288	104.989	18.479309	326.388346	51.369	360.221368	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	188.774371	85.961	22.607392	337.433516	68.524	371.266537	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	190.306834	80.705	24.139855	339.567122	73.622	373.400144	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	195.345369	67.572	29.178390	343.824539	86.963	377.657561	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	206.748488	50.520	40.581510	347.860415	106.015	381.693436	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	228.235944	36.710	62.068965	350.586033	125.396	384.419055	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	264.915245	30.843	98.748266	352.521165	144.972	386.354186	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	301.367696	36.911	135.200717	353.948360	164.669	387.781381	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	322.628827	50.797	156.461849	355.032939	184.448	388.865961	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	333.968878	67.853	167.801899	355.877570	204.281	389.710591	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	340.572156	86.214	174.405177	356.549179	224.153	390.382200	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	344.787205	105.195	178.620226	357.093178	244.053	390.926199	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	347.676764	124.508	181.509785	357.541423	263.973	391.374444	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	349.768108	144.019	183.601129	357.916902	283.908	391.749923	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	351.347266	163.653	185.180287	358.236612	303.853	392.069633	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	352.581318	183.369	186.414340	358.513382	323.807	392.346403	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	352.995314	191.123	186.828335	358.612500	331.640	392.445521	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	353.573735	203.141	187.406756	358.756987	343.766	392.590008	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	354.389901	222.954	188.222922	358.973830	363.730	392.806852	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842
Distancia: 142.260 Azimut: 166.166979
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 579.266 Dis= 30.920

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	355.072755	242.798	188.905777	359.168107	383.697	393.001128	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	355.652369	262.665	189.485390	359.343163	403.668	393.176184	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	355.987735	275.730	189.820756	359.449056	416.792	393.282077	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842
Distancia: 220.144 Azimut: 370.947435
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	187.881632	709.967	216.934197	183.892634	924.182	12.945199	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	187.202300	691.418	216.254865	183.293513	906.131	12.346078	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	186.529133	672.764	215.581698	182.702215	887.950	11.754780	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	185.862697	654.008	214.915262	182.119290	869.640	11.171855	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	185.203627	635.155	214.256192	181.545339	851.206	10.597904	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	184.552641	616.206	213.605206	180.981023	832.651	10.033588	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	183.910550	597.165	212.963115	180.427067	813.979	9.479632	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	183.278282	578.036	212.330847	179.884269	795.193	8.936834	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	182.656893	558.821	211.709458	179.353512	776.296	8.406077	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	182.047600	539.524	211.100165	178.835769	757.294	7.888334	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	181.451803	520.149	210.504368	178.332125	738.189	7.384690	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	181.291596	514.843	210.344161	178.197144	732.953	7.249709	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	180.870614	500.700	209.923179	177.843426	718.987	6.895991	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	180.438294	485.938	209.490859	177.482058	704.399	6.534623	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	180.300269	481.190	209.352834	177.367182	699.704	6.419747	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	179.736168	461.631	208.788733	176.900470	680.355	5.953035	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	179.381331	449.190	208.433896	176.609293	668.038	5.661858	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	179.178610	442.027	208.231175	176.443799	660.942	5.496364	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	178.634560	422.371	207.687125	176.002060	641.460	5.054625	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	178.570032	419.974	207.622597	175.949819	639.082	5.002384	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	178.119455	402.652	207.172020	175.585331	621.893	4.637896	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	177.641793	382.871	206.694358	175.198643	602.242	4.251208	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	177.207833	363.033	206.260398	174.845176	582.515	3.897741	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	176.825289	343.147	205.877854	174.528556	562.719	3.581121	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	176.503789	323.218	205.556354	174.252949	542.863	3.305514	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	176.255507	303.256	205.308072	174.023153	522.957	3.075718	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	176.096048	283.270	205.148613	173.844726	503.009	2.897291	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	176.045736	263.272	205.098301	173.724132	483.031	2.776697	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842
Distancia: 220.144 Azimut: 370.947435
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	176.123027	244.334	205.175592	173.670079	464.095	2.722644	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	176.131522	243.276	205.184087	173.668934	463.036	2.721499	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	176.386151	223.298	205.438716	173.686148	443.037	2.738713	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	176.841051	203.356	205.893616	173.777350	423.047	2.829915	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	177.537693	183.469	206.590258	173.942881	403.076	2.995446	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	178.537189	163.655	207.589754	174.183121	383.132	3.235686	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	179.933348	143.940	208.985913	174.498512	363.217	3.551077	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	181.067439	131.719	210.120004	174.733324	350.822	3.785889	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	181.877799	124.362	210.930364	174.889703	343.335	3.942268	5.060

CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	184.646288	104.989	213.698853	175.362740	323.489	4.415305	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	188.774371	85.961	217.826936	175.932908	303.687	4.985473	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	190.306834	80.705	219.359399	176.113416	298.126	5.165981	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	195.345369	67.572	224.397934	176.620056	283.940	5.672621	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	206.748488	50.520	235.801053	177.447930	264.260	6.500495	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	228.235944	36.710	257.288509	178.446523	244.662	7.499088	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	264.915245	30.843	293.967810	179.655815	225.165	8.708380	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	301.367696	36.911	330.420261	181.130193	205.796	10.182758	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	322.628827	50.797	351.681392	182.945303	186.593	11.997868	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	333.968878	67.853	363.021443	185.208988	167.607	14.261553	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	340.572156	86.214	369.624721	188.079183	148.918	17.131748	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	344.787205	105.195	373.839770	191.793740	130.648	20.846305	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	347.676764	124.508	376.729329	196.720275	112.995	25.772840	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	349.768108	144.019	378.820673	203.435575	96.290	32.488140	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	351.347266	163.653	380.399831	212.826643	81.113	41.879208	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	352.581318	183.369	381.633883	226.092187	68.475	55.144752	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	352.995314	191.123	382.047879	232.600301	64.543	61.652866	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	353.573735	203.141	382.626300	244.142451	59.993	73.195016	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	354.389901	222.954	383.442466	265.754091	57.527	94.806656	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842
Distancia: 220.144 Azimut: 370.947435
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	355.072755	242.798	384.125320	286.708431	61.803	115.760996	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	355.652369	262.665	384.704934	303.428105	71.623	132.480670	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	355.987735	275.730	385.040300	311.825297	80.164	140.877862	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461
Distancia: 220.144 Azimut: 170.947435
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	183.892634	924.182	12.945199	187.881632	709.967	216.934197	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	183.293513	906.131	12.346078	187.202300	691.418	216.254865	4.544
CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	182.702215	887.950	11.754780	186.529133	672.764	215.581698	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	182.119290	869.640	11.171855	185.862697	654.008	214.915262	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	181.545339	851.206	10.597904	185.203627	635.155	214.256192	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	180.981023	832.651	10.033588	184.552641	616.206	213.605206	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	180.427067	813.979	9.479632	183.910550	597.165	212.963115	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	179.884269	795.193	8.936834	183.278282	578.036	212.330847	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	179.353512	776.296	8.406077	182.656893	558.821	211.709458	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	178.835769	757.294	7.888334	182.047600	539.524	211.100165	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	178.332125	738.189	7.384690	181.451803	520.149	210.504368	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	178.197144	732.953	7.249709	181.291596	514.843	210.344161	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	177.843426	718.987	6.895991	180.870614	500.700	209.923179	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	177.482058	704.399	6.534623	180.438294	485.938	209.490859	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	177.367182	699.704	6.419747	180.300269	481.190	209.352834	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	176.900470	680.355	5.953035	179.736168	461.631	208.788733	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	176.609293	668.038	5.661858	179.381331	449.190	208.433896	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	176.443799	660.942	5.496364	179.178610	442.027	208.231175	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	176.002060	641.460	5.054625	178.634560	422.371	207.687125	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	175.949819	639.082	5.002384	178.570032	419.974	207.622597	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	175.585331	621.893	4.637896	178.119455	402.652	207.172020	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	175.198643	602.242	4.251208	177.641793	382.871	206.694358	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	174.845176	582.515	3.897741	177.207833	363.033	206.260398	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	174.528556	562.719	3.581121	176.825289	343.147	205.877854	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	174.252949	542.863	3.305514	176.503789	323.218	205.556354	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	174.023153	522.957	3.075718	176.255507	303.256	205.308072	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	173.844726	503.009	2.897291	176.096048	283.270	205.148613	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	173.724132	483.031	2.776697	176.045736	263.272	205.098301	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461
Distancia: 220.144 Azimut: 170.947435
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	173.670079	464.095	2.722644	176.123027	244.334	205.175592	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	173.668934	463.036	2.721499	176.131522	243.276	205.184087	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	173.686148	443.037	2.738713	176.386151	223.298	205.438716	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	173.777350	423.047	2.829915	176.841051	203.356	205.893616	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	173.942881	403.076	2.995446	177.537693	183.469	206.590258	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	174.183121	383.132	3.235686	178.537189	163.655	207.589754	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	174.498512	363.217	3.551077	179.933348	143.940	208.985913	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	174.733324	350.822	3.785889	181.067439	131.719	210.120004	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	174.889703	343.335	3.942268	181.877799	124.362	210.930364	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	175.362740	323.489	4.415305	184.646288	104.989	213.698853	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	175.932908	303.687	4.985473	188.774371	85.961	217.826936	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	176.113416	298.126	5.165981	190.306834	80.705	219.359399	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	176.620056	283.940	5.672621	195.345369	67.572	224.397934	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	177.447930	264.260	6.500495	206.748488	50.520	235.801053	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	178.446523	244.662	7.499088	228.235944	36.710	257.288509	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	179.655815	225.165	8.708380	264.915245	30.843	293.967810	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	181.130193	205.796	10.182758	301.367696	36.911	330.420261	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	182.945303	186.593	11.997868	322.628827	50.797	351.681392	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	185.208988	167.607	14.261553	333.968878	67.853	363.021443	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	188.079183	148.918	17.131748	340.572156	86.214	369.624721	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	191.793740	130.648	20.846305	344.787205	105.195	373.839770	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	196.720275	112.995	25.772840	347.676764	124.508	376.729329	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	203.435575	96.290	32.488140	349.768108	144.019	378.820673	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	212.826643	81.113	41.879208	351.347266	163.653	380.399831	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	226.092187	68.475	55.144752	352.581318	183.369	381.633883	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	232.600301	64.543	61.652866	352.995314	191.123	382.047879	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	244.142451	59.993	73.195016	353.573735	203.141	382.626300	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	265.754091	57.527	94.806656	354.389901	222.954	383.442466	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461
Distancia: 220.144 Azimut: 170.947435
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 719.813 Dis= 30.842

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	286.708431	61.803	115.760996	355.072755	242.798	384.125320	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	303.428105	71.623	132.480670	355.652369	262.665	384.704934	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	311.825297	80.164	140.877862	355.987735	275.730	385.040300	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 993.142 Dis= 122.516

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	12.725961	0.000	422865.420	4573929.780	183.892634	924.182	173.079556	186.321560	1010.576	375.508482	4.540
CIRC.	20.000	11.144297	0.000	422869.148	4573949.429	183.293513	906.131	172.480436	185.819088	992.204	375.006011	4.544

CIRC.	40.000	9.562633	0.000	422872.386	4573969.165	182.702215	887.950	171.889138	185.327537	973.701	374.514460	4.575
CIRC.	60.000	7.980969	0.000	422875.133	4573988.975	182.119290	869.640	171.306213	184.847623	955.069	374.034546	4.579
CIRC.	80.000	6.399305	0.000	422877.387	4574008.847	181.545339	851.206	170.732262	184.380124	936.314	373.567046	4.611
CIRC.	100.000	4.817641	0.000	422879.146	4574028.769	180.981023	832.651	170.167946	183.925887	917.440	373.112809	4.642
CIRC.	120.000	3.235977	0.000	422880.411	4574048.728	180.427067	813.979	169.613990	183.485835	898.450	372.672757	4.661
CIRC.	140.000	1.654313	0.000	422881.178	4574068.713	179.884269	795.193	169.071192	183.060977	879.351	372.247899	4.691
CIRC.	160.000	0.072649	0.000	422881.450	4574088.710	179.353512	776.296	168.540434	182.652417	860.146	371.839340	4.709
CIRC.	180.000	398.490985	0.000	422881.224	4574108.709	178.835769	757.294	168.022692	182.261365	840.841	371.448288	4.711
CIRC.	200.000	396.909321	0.000	422880.502	4574128.695	178.332125	738.189	167.519048	181.889151	821.441	371.076074	4.737
CLOT.	205.464	396.477232	0.000	422880.218	4574134.151	178.197144	732.953	167.384066	181.790933	816.125	370.977855	4.744
CLOT.	220.000	395.382563	0.000	422879.287	4574148.658	177.843426	718.987	167.030349	181.536914	801.952	370.723836	4.768
CIRC.	235.138	394.359328	0.000	422878.067	4574163.746	177.482058	704.399	166.668980	181.282548	787.151	370.469470	4.786
CIRC.	240.000	394.049780	0.000	422877.625	4574168.588	177.367182	699.704	166.554104	181.202791	782.389	370.389713	4.796
CIRC.	260.000	392.776541	0.000	422875.559	4574188.481	176.900470	680.355	166.087392	180.884594	762.766	370.071516	4.818
CLOT.	272.697	391.968229	0.000	422874.041	4574201.087	176.609293	668.038	165.796216	180.691241	750.278	369.878163	4.817
CLOT.	280.000	391.481647	0.000	422873.095	4574208.328	176.443799	660.942	165.630722	180.583308	743.086	369.770231	4.808
CLOT.	300.000	389.927400	0.000	422870.194	4574228.116	176.002060	641.460	165.188982	180.303909	723.347	369.490831	4.839
CIRC.	302.435	389.716003	0.000	422869.806	4574230.520	175.949819	639.082	165.136742	180.271882	720.939	369.458805	4.849
CIRC.	320.000	388.173615	0.000	422866.771	4574247.820	175.585331	621.893	164.772253	180.056022	703.541	369.242944	4.814
CIRC.	340.000	386.417422	0.000	422862.807	4574267.423	175.198643	602.242	164.385566	179.844702	683.675	369.031625	4.708
CIRC.	360.000	384.661230	0.000	422858.303	4574286.908	174.845176	582.515	164.032098	179.673349	663.758	368.860271	4.673
CIRC.	380.000	382.905037	0.000	422853.263	4574306.262	174.528556	562.719	163.715479	179.545769	643.801	368.732691	4.831
CIRC.	400.000	381.148845	0.000	422847.692	4574325.470	174.252949	542.863	163.439872	179.466244	623.818	368.653166	4.824
CIRC.	420.000	379.392652	0.000	422841.593	4574344.517	174.023153	522.957	163.210076	179.439598	603.820	368.626521	4.901
CIRC.	440.000	377.636460	0.000	422834.970	4574363.388	173.844726	503.009	163.031648	179.471285	583.823	368.658208	4.988
CIRC.	460.000	375.880267	0.000	422827.830	4574382.069	173.724132	483.031	162.911054	179.567483	563.842	368.754405	5.009

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 993.142 Dis= 122.516

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CLOT.	478.941	374.217034	0.000	422820.595	4574399.574	173.670079	464.095	162.857001	179.724412	544.951	368.911334	5.054
CLOT.	480.000	374.124375	0.000	422820.177	4574400.546	173.668934	463.036	162.855857	179.735208	543.896	368.922130	5.057
CLOT.	500.000	372.486479	0.000	422812.030	4574418.811	173.686148	443.037	162.873071	179.980872	524.003	369.167794	5.015
CLOT.	520.000	371.062529	0.000	422803.445	4574436.875	173.777350	423.047	162.964273	180.306202	504.177	369.493125	5.001
CLOT.	540.000	369.852523	0.000	422794.489	4574454.757	173.942881	403.076	163.129804	180.711918	484.427	369.898840	5.020
CLOT.	560.000	368.856462	0.000	422785.224	4574472.481	174.183121	383.132	163.370043	181.198829	464.759	370.385751	5.068
CLOT.	580.000	368.074346	0.000	422775.712	4574490.074	174.498512	363.217	163.685434	181.767873	445.177	370.954795	5.080
CIRC.	592.465	367.695120	0.000	422769.686	4574500.986	174.733324	350.822	163.920247	182.164551	433.016	371.351473	5.070
CIRC.	600.000	367.490991	0.000	422766.014	4574507.566	174.889703	343.335	164.076626	182.420242	425.681	371.607164	5.060
CIRC.	620.000	366.949187	0.000	422756.165	4574524.972	175.362740	323.489	164.549663	183.161435	406.276	372.348358	5.080
CIRC.	640.000	366.407383	0.000	422746.168	4574542.295	175.932908	303.687	165.119830	184.003866	386.976	373.190788	5.134
CLOT.	645.626	366.254975	0.000	422743.330	4574547.152	176.113416	298.126	165.300339	184.261104	381.569	373.448026	5.142
CLOT.	660.000	365.876251	0.000	422736.025	4574559.532	176.620056	283.940	165.806978	184.962642	367.800	374.149564	5.157
CLOT.	680.000	365.384809	0.000	422725.744	4574576.686	177.447930	264.260	166.634853	186.054519	348.767	375.241441	5.191
CLOT.	700.000	364.934690	0.000	422715.336	4574593.765	178.446523	244.662	167.633445	187.298913	329.898	376.485836	5.258
CLOT.	720.000	364.525895	0.000	422704.813	4574610.773	179.655815	225.165	168.842738	188.719383	311.219	377.906305	5.443
CLOT.	740.000	364.158424	0.000	422694.186	4574627.716	181.130193	205.796	170.317115	190.344694	292.764	379.531616	5.713
CLOT.	760.000	363.832277	0.000	422683.467	4574644.601	182.945303	186.593	172.132225	192.210168	274.571	381.397090	6.047
CLOT.	780.000	363.547454	0.000	422672.668	4574661.435	185.208988	167.607	174.395911	194.359376	256.691	383.546298	6.411
CLOT.	800.000	363.303954	0.000	422661.798	4574678.223	188.079183	148.918	177.266106	196.846218	239.189	386.033141	6.911
CLOT.	820.000	363.101779	0.000	422650.870	4574694.974	191.793740	130.648	180.980663	199.737373	222.147	388.924296	7.462
CLOT.	840.000	362.940927	0.000	422639.895	4574711.693	196.720275	112.995	185.907197	203.114918	205.672	392.301840	8.139
CLOT.	860.000	362.821399	0.000	422628.882	4574728.388	203.435575	96.290	192.622498	207.078559	189.904	396.265482	8.922
CLOT.	880.000	362.743195	0.000	422617.844	4574745.066	212.826643	81.113	202.013566	211.746121	175.024	0.933043	9.753
CLOT.	900.000	362.706315	0.000	422606.790	4574761.734	226.092187	68.475	215.279110	217.249504	161.269	6.436427	10.614
RECTA	907.849	362.703132	0.000	422602.450	4574768.274	232.600301	64.543	221.787223	219.667188	156.241	8.854111	10.932
RECTA	920.000	362.703132	0.000	422595.732	4574778.399	244.142451	59.993	233.329373	223.721311	148.941	12.908233	11.419
RECTA	940.000	362.703132	0.000	422584.674	4574795.063	265.754091	57.527	254.941014	231.266320	138.416	20.453242	12.270

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 170 : Tronco calzada existente

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 937.244 Dis= 57.461
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 993.142 Dis= 122.516

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	960.000	362.703132	0.000	422573.615	4574811.728	286.708431	61.803	275.895354	239.908050	130.134	29.094972	13.031
RECTA	980.000	362.703132	0.000	422562.557	4574828.393	303.428105	71.623	292.615027	249.519554	124.541	38.706476	13.805
RECTA	993.142	362.703132	0.000	422555.291	4574839.343	311.825297	80.164	301.012219	256.214714	122.516	45.401637	14.249

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 171 : ENLACE MAS BLAU. AVDA 11 DE SEPTIEMBRE (2)

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 52.670 Dis= -10.474
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 91.193 Dis= 87.229

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	77.547327	0.000	422851.600	4574272.880	265.049937	53.701	127.869487	314.618837	140.155	377.438387	10.890
RECTA	20.000	77.547327	0.000	422870.369	4574279.788	257.795558	34.308	120.615108	320.276037	123.940	383.095587	10.791
RECTA	40.000	77.547327	0.000	422889.138	4574286.697	233.568432	16.439	96.387982	327.557134	108.991	390.376683	10.195
CIRC.	56.107	77.547327	0.000	422904.253	4574292.260	157.365022	11.024	20.184572	334.953363	98.266	397.772913	9.452
CIRC.	60.000	75.068690	0.000	422907.880	4574293.676	138.462638	12.722	1.282188	337.010477	95.961	399.830027	9.271
CIRC.	80.000	62.336295	0.000	422925.482	4574303.101	95.024753	28.158	357.844303	349.759648	88.189	12.579198	8.341
RECTA	87.035	57.857457	0.000	422931.179	4574307.227	88.214133	34.356	351.033682	354.825213	87.328	17.644763	8.014
RECTA	100.000	57.857457	0.000	422941.405	4574315.196	80.002218	46.258	342.821768	364.263116	87.673	27.082666	7.411
RECTA	120.000	57.857457	0.000	422957.181	4574327.490	73.355506	65.417	336.175055	378.163416	91.863	40.982966	6.481
RECTA	140.000	57.857457	0.000	422972.956	4574339.783	69.741347	84.964	332.560897	390.332984	99.955	53.152534	5.552
RECTA	160.000	57.857457	0.000	422988.732	4574352.077	67.483571	104.682	330.303121	0.375757	111.101	63.195306	5.059
RECTA	166.635	57.857457	0.000	422993.965	4574356.155	66.911612	111.246	329.731162	3.252434	115.328	66.071984	5.072

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 172 : GLORIETA ONZE DE SEPT

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 176.880 Dis= 54.967
Distancia: 108.680 Azimut: 337.180450
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 117.539 Dis= 11.547

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	46.999278	0.000	422958.799	4574288.374	364.773805	55.709	27.593354	112.816677	62.655	375.636227	7.517
CIRC.	20.000	3.094466	0.000	422966.316	4574306.482	379.581846	69.024	42.401396	94.856645	69.131	357.676195	6.733
CIRC.	40.000	359.189655	0.000	422960.593	4574325.234	379.926969	88.625	42.746519	76.598444	67.706	339.417994	6.460
CIRC.	60.000	315.284843	0.000	422944.246	4574336.059	372.501708	104.697	35.321258	59.007889	58.563	321.827438	6.730
CIRC.	80.000	271.380031	0.000	422924.747	4574334.010	361.951204	112.541	24.770754	43.941916	42.935	306.761466	7.513
CIRC.	100.000	227.475219	0.000	422911.009	4574320.022	350.806252	110.396	13.625802	39.359544	23.462	302.179094	8.410
CIRC.	120.000	183.570407	0.000	422909.310	4574300.490	341.192311	98.720	4.011861	102.209384	11.908	365.028934	8.985
CIRC.	140.000	139.665595	0.000	422920.428	4574284.341	336.288698	80.353	399.108248	139.707903	28.357	2.527453	9.016
CIRC.	160.000	95.760783	0.000	422939.280	4574278.955	342.103436	61.833	4.922986	130.736597	47.273	393.556146	8.504
CIRC.	180.000	51.855971	0.000	422957.250	4574286.796	362.297057	55.223	25.116607	114.738901	61.480	377.558451	7.616
CIRC.	182.212	46.999278	0.000	422958.799	4574288.374	364.773805	55.709	27.593354	112.816677	62.655	375.636227	7.517

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 172 : GLORIETA ONZE DE SEPT

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 117.539 Dis= 11.547
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 176.880 Dis= 54.967

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	46.999278	0.000	422958.799	4574288.374	112.816677	62.655	375.636227	364.773805	55.709	27.593354	7.517
CIRC.	20.000	3.094466	0.000	422966.316	4574306.482	94.856645	69.131	357.676195	379.581846	69.024	42.401396	6.733
CIRC.	40.000	359.189655	0.000	422960.593	4574325.234	76.598444	67.706	339.417994	379.926969	88.625	42.746519	6.460

CIRC.	60.000	315.284843	0.000	422944.246	4574336.059	59.007889	58.563	321.827438	372.501708	104.697	35.321258	6.730
CIRC.	80.000	271.380031	0.000	422924.747	4574334.010	43.941916	42.935	306.761466	361.951204	112.541	24.770754	7.513
CIRC.	100.000	227.475219	0.000	422911.009	4574320.022	39.359544	23.462	302.179094	350.806252	110.396	13.625802	8.410
CIRC.	120.000	183.570407	0.000	422909.310	4574300.490	102.209384	11.908	365.028934	341.192311	98.720	4.011861	8.985
CIRC.	140.000	139.665595	0.000	422920.428	4574284.341	139.707903	28.357	2.527453	336.288698	80.353	399.108248	9.016
CIRC.	160.000	95.760783	0.000	422939.280	4574278.955	130.736597	47.273	393.556146	342.103436	61.833	4.922986	8.504
CIRC.	180.000	51.855971	0.000	422957.250	4574286.796	114.738901	61.480	377.558451	362.297057	55.223	25.116607	7.616
CIRC.	182.212	46.999278	0.000	422958.799	4574288.374	112.816677	62.655	375.636227	364.773805	55.709	27.593354	7.517

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 172 : GLORIETA ONZE DE SEPT

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 176.880 Dis= 54.967
Distancia: 108.680 Azimut: 337.180450
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 117.539 Dis= 11.547

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	46.999278	0.000	422958.799	4574288.374	364.773805	55.709	27.593354	112.816677	62.655	375.636227	7.517
CIRC.	20.000	3.094466	0.000	422966.316	4574306.482	379.581846	69.024	42.401396	94.856645	69.131	357.676195	6.733
CIRC.	40.000	359.189655	0.000	422960.593	4574325.234	379.926969	88.625	42.746519	76.598444	67.706	339.417994	6.460
CIRC.	60.000	315.284843	0.000	422944.246	4574336.059	372.501708	104.697	35.321258	59.007889	58.563	321.827438	6.730
CIRC.	80.000	271.380031	0.000	422924.747	4574334.010	361.951204	112.541	24.770754	43.941916	42.935	306.761466	7.513
CIRC.	100.000	227.475219	0.000	422911.009	4574320.022	350.806252	110.396	13.625802	39.359544	23.462	302.179094	8.410
CIRC.	120.000	183.570407	0.000	422909.310	4574300.490	341.192311	98.720	4.011861	102.209384	11.908	365.028934	8.985
CIRC.	140.000	139.665595	0.000	422920.428	4574284.341	336.288698	80.353	399.108248	139.707903	28.357	2.527453	9.016
CIRC.	160.000	95.760783	0.000	422939.280	4574278.955	342.103436	61.833	4.922986	130.736597	47.273	393.556146	8.504
CIRC.	180.000	51.855971	0.000	422957.250	4574286.796	362.297057	55.223	25.116607	114.738901	61.480	377.558451	7.616
CIRC.	182.212	46.999278	0.000	422958.799	4574288.374	364.773805	55.709	27.593354	112.816677	62.655	375.636227	7.517

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 173 : RAMAL GLORIETA MAS BLAU A B22_01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 41.695 Dis= 8.181
Distancia: 108.680 Azimut: 337.180450
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 102.203 Dis= -53.097

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	349.600841	0.000	423009.713	4574205.001	165.529380	41.983	228.348930	144.995420	147.680	7.814970	5.186
CLOT.	14.997	351.987674	0.000	422999.243	4574215.736	173.484392	27.602	236.303942	144.341266	132.753	7.160816	5.135
CLOT.	20.000	352.808531	0.000	422995.841	4574219.404	178.006446	22.928	240.825996	144.026839	127.791	6.846388	5.120
CIRC.	35.247	355.613423	0.000	422985.790	4574230.868	214.159003	10.366	276.978553	142.660795	112.765	5.480345	5.116
CIRC.	40.000	356.559019	0.000	422982.765	4574234.534	243.883760	8.351	306.703310	142.074969	108.122	4.894519	5.217
CIRC.	60.000	360.537892	0.000	422970.645	4574250.439	331.659023	19.833	394.478573	138.410257	88.938	1.229807	6.310
CIRC.	80.000	364.516766	0.000	422959.543	4574267.071	347.157865	38.665	9.977415	131.743199	70.747	394.562749	7.640
CIRC.	100.000	368.495639	0.000	422949.501	4574284.363	353.731898	58.055	16.551448	119.572780	54.654	382.392330	7.962
CIRC.	102.203	368.933905	0.000	422948.461	4574286.306	354.275150	60.199	17.094700	117.730191	53.097	380.549741	7.948

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 173 : RAMAL GLORIETA MAS BLAU A B22_01

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 102.203 Dis= -53.097
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 41.695 Dis= 8.181

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	349.600841	0.000	423009.713	4574205.001	144.995420	147.680	7.814970	165.529380	41.983	228.348930	5.186
CLOT.	14.997	351.987674	0.000	422999.243	4574215.736	144.341266	132.753	7.160816	173.484392	27.602	236.303942	5.135
CLOT.	20.000	352.808531	0.000	422995.841	4574219.404	144.026839	127.791	6.846388	178.006446	22.928	240.825996	5.120
CIRC.	35.247	355.613423	0.000	422985.790	4574230.868	142.660795	112.765	5.480345	214.159003	10.366	276.978553	5.116
CIRC.	40.000	356.559019	0.000	422982.765	4574234.534	142.074969	108.122	4.894519	243.883760	8.351	306.703310	5.217
CIRC.	60.000	360.537892	0.000	422970.645	4574250.439	138.410257	88.938	1.229807	331.659023	19.833	394.478573	6.310
CIRC.	80.000	364.516766	0.000	422959.543	4574267.071	131.743199	70.747	394.562749	347.157865	38.665	9.977415	7.640
CIRC.	100.000	368.495639	0.000	422949.501	4574284.363	119.572780	54.654	382.392330	353.731898	58.055	16.551448	7.962
CIRC.	102.203	368.933905	0.000	422948.461	4574286.306	117.730191	53.097	380.549741	354.275150	60.199	17.094700	7.948

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 0.000 Dis= -26.995
Distancia: 93.933 Azimut: 210.813077
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	238.574184	26.995	27.761107	0.455806	70.394	389.642728	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	225.621361	39.353	14.808284	0.523992	56.374	389.710915	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	222.171759	44.883	11.358682	0.708216	50.396	389.895139	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	221.877012	45.435	11.063934	0.728796	49.806	389.915719	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	219.088095	51.108	8.275017	1.138403	43.760	390.325325	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	213.959600	63.646	3.146523	4.243875	30.527	393.430797	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	207.927042	82.424	397.113965	30.656494	12.180	19.843416	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	203.161100	101.215	392.348023	142.328909	13.792	131.515832	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	201.703104	107.898	390.890027	155.137429	20.055	144.324352	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	199.312099	120.070	388.499022	164.440253	32.408	153.627175	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	196.987950	133.434	386.174873	168.226608	46.359	157.413531	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	196.096826	138.975	385.283749	169.035129	52.185	158.222052	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	193.384013	157.952	382.570935	170.480042	72.136	159.666964	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	193.252288	158.988	382.439210	170.529517	73.222	159.716439	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	191.208254	177.118	380.395176	171.203314	92.114	160.390237	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	189.458989	196.450	378.645911	171.668717	112.101	160.855640	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	188.024030	215.904	377.210952	171.993268	132.091	161.180190	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	186.826784	235.449	376.013707	172.232492	152.084	161.419415	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	186.082753	249.532	375.269676	172.368855	166.445	161.555778	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	185.802915	255.057	374.989838	172.400334	172.079	161.587256	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	184.900595	274.702	374.087517	172.497158	192.077	161.684081	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	184.118852	294.394	373.305774	172.575722	212.076	161.762644	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	183.435225	314.126	372.622148	172.640745	232.074	161.827668	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	183.300663	318.330	372.487586	172.653164	236.331	161.840087	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	182.763904	333.830	371.950827	172.603407	252.072	161.790329	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	181.963953	353.356	371.150876	172.302710	272.030	161.489632	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	181.289461	367.863	370.476384	171.933855	286.945	161.120778	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	181.058267	372.676	370.245190	171.795479	291.902	160.982402	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 0.000 Dis= -26.995
Distancia: 93.933 Azimut: 210.813077
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	180.189826	391.984	369.376749	171.285700	311.755	160.472623	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	179.403056	411.359	368.589978	170.836987	331.627	160.023910	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	179.297016	414.122	368.483939	170.777431	334.457	159.964354	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	178.674075	430.769	367.860997	170.422624	351.503	159.609547	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	178.005952	450.228	367.192874	170.050049	371.391	159.236971	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	177.393249	469.732	366.580171	169.715358	391.290	158.902281	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	176.829446	489.276	366.016369	169.413070	411.199	158.599992	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	176.647077	495.959	365.833999	169.316427	418.001	158.503350	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	176.311083	508.859	365.498006	169.141214	431.118	158.328137	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	175.919117	524.801	365.106040	168.939101	447.315	158.126024	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	175.832052	528.475	365.018974	168.894427	451.045	158.081349	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	175.648091	536.216	364.835013	168.797521	458.908	157.984444	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	175.353197	548.060	364.540119	168.628190	470.951	157.815112	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	174.829052	567.525	364.015975	168.291431	490.787	157.478354	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	174.263038	586.854	363.449961	167.891031	510.537	157.077954	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	173.964859	596.491	363.151781	167.668686	520.402	156.855609	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	173.662034	606.044	362.848956	167.437413	530.190	156.624335	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	173.611760	607.638	362.798682	167.398865	531.822	156.585787	7.199

CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	173.298692	617.870	362.485615	167.160822	542.298	156.347745	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	173.089190	625.262	362.276112	167.006039	549.852	156.192961	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	172.609636	644.680	361.796559	166.672651	569.635	155.859573	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	172.515668	649.019	361.702590	166.611666	574.043	155.798588	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 0.000 Dis= -26.995

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	0.455806	70.394	389.642728	238.574184	26.995	27.761107	5.162

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 0.000 Dis= -26.995

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	0.455806	70.394	389.642728	238.574184	26.995	27.761107	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	0.523992	56.374	389.710915	225.621361	39.353	14.808284	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	0.708216	50.396	389.895139	222.171759	44.883	11.358682	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	0.728796	49.806	389.915719	221.877012	45.435	11.063934	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	1.138403	43.760	390.325325	219.088095	51.108	8.275017	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	4.243875	30.527	393.430797	213.959600	63.646	3.146523	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	30.656494	12.180	19.843416	207.927042	82.424	397.113965	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	142.328909	13.792	131.515832	203.161100	101.215	392.348023	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	155.137429	20.055	144.324352	201.703104	107.898	390.890027	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	164.440253	32.408	153.627175	199.312099	120.070	388.499022	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	168.226608	46.359	157.413531	196.987950	133.434	386.174873	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	169.035129	52.185	158.222052	196.096826	138.975	385.283749	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	170.480042	72.136	159.666964	193.384013	157.952	382.570935	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	170.529517	73.222	159.716439	193.252288	158.988	382.439210	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	171.203314	92.114	160.390237	191.208254	177.118	380.395176	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	171.668717	112.101	160.855640	189.458989	196.450	378.645911	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	171.993268	132.091	161.180190	188.024030	215.904	377.210952	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	172.232492	152.084	161.419415	186.826784	235.449	376.013707	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	172.368855	166.445	161.555778	186.082753	249.532	375.269676	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	172.400334	172.079	161.587256	185.802915	255.057	374.989838	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	172.497158	192.077	161.684081	184.900595	274.702	374.087517	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	172.575722	212.076	161.762644	184.118852	294.394	373.305774	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	172.640745	232.074	161.827668	183.435225	314.126	372.622148	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	172.653164	236.331	161.840087	183.300663	318.330	372.487586	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	172.603407	252.072	161.790329	182.763904	333.830	371.950827	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	172.302710	272.030	161.489632	181.963953	353.356	371.150876	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	171.933855	286.945	161.120778	181.289461	367.863	370.476384	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	171.795479	291.902	160.982402	181.058267	372.676	370.245190	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 0.000 Dis= -26.995

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	0.455806	70.394	389.642728	238.574184	26.995	27.761107	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	0.523992	56.374	389.710915	225.621361	39.353	14.808284	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	0.708216	50.396	389.895139	222.171759	44.883	11.358682	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	0.728796	49.806	389.915719	221.877012	45.435	11.063934	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	1.138403	43.760	390.325325	219.088095	51.108	8.275017	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	4.243875	30.527	393.430797	213.959600	63.646	3.146523	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	30.656494	12.180	19.843416	207.927042	82.424	397.113965	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	142.328909	13.792	131.515832	203.161100	101.215	392.348023	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	155.137429	20.055	144.324352	201.703104	107.898	390.890027	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	164.440253	32.408	153.627175	199.312099	120.070	388.499022	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	168.226608	46.359	157.413531	196.987950	133.434	386.174873	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	169.035129	52.185	158.222052	196.096826	138.975	385.283749	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	170.480042	72.136	159.666964	193.384013	157.952	382.570935	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	170.529517	73.222	159.716439	193.252288	158.988	382.439210	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	171.203314	92.114	160.390237	191.208254	177.118	380.395176	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	171.668717	112.101	160.855640	189.458989	196.450	378.645911	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	171.993268	132.091	161.180190	188.024030	215.904	377.210952	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	172.232492	152.084	161.419415	186.826784	235.449	376.013707	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	172.368855	166.445	161.555778	186.082753	249.532	375.269676	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	172.400334	172.079	161.587256	185.802915	255.057	374.989838	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	172.497158	192.077	161.684081	184.900595	274.702	374.087517	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	172.575722	212.076	161.762644	184.118852	294.394	373.305774	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	172.640745	232.074	161.827668	183.435225	314.126	372.622148	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	172.653164	236.331	161.840087	183.300663	318.330	372.487586	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	172.603407	252.072	161.790329	182.763904	333.830	371.950827	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	172.302710	272.030	161.489632	181.963953	353.356	371.150876	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	171.933855	286.945	161.120778	181.289461	367.863	370.476384	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	171.795479	291.902	160.982402	181.058267	372.676	370.245190	4.966
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	171.285700	311.755	160.472623	180.189826	391.984	369.376749	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	170.836987	331.627	160.023910	179.403056	411.359	368.589978	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	170.777431	334.457	159.964354	179.297016	414.122	368.483939	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	170.422624	351.503	159.609547	178.674075	430.769	367.860997	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	170.050049	371.391	159.236971	178.005952	450.228	367.192874	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	169.715358	391.290	158.902281	177.393249	469.732	366.580171	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	169.413070	411.199	158.599992	176.829446	489.276	366.016369	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	169.316427	418.001	158.503350	176.647077	495.959	365.833999	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	169.141214	431.118	158.328137	176.311083	508.859	365.498006	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	168.939101	447.315	158.126024	175.919117	524.801	365.106040	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	168.894427	451.045	158.081349	175.832052	528.475	365.018974	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	168.797521	458.908	157.984444	175.648091	536.216	364.835013	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	168.628190	470.951	157.815112	175.353197	548.060	364.540119	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	168.291431	490.787	157.478354	174.829052	567.525	364.015975	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	167.891031	510.537	157.077954	174.263038	586.854	363.449961	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	167.668686	520.402	156.855609	173.964859	596.491	363.151781	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	167.437413	530.190	156.624335	173.662034	606.044	362.848956	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	167.398865	531.822	156.585787	173.611760	607.638	362.798682	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	167.160822	542.298	156.347745	173.298692	617.870	362.485615	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	167.006039	549.852	156.192961	173.089190	625.262	362.276112	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	166.672651	569.635	155.859573	172.609636	644.680	361.796559	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	166.611666	574.043	155.798588	172.515668	649.019	361.702590	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087
Distancia: 93.933 Azimut: 10.813077
BO : BR606 X: 422649.954 Y: 4574917.119 Z: 6.193 PK: 0.000 Dis= -26.995

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	0.455806	70.394	389.642728	238.574184	26.995	27.761107	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	0.523992	56.374	389.710915	225.621361	39.353	14.808284	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	0.708216	50.396	389.895139	222.171759	44.883	11.358682	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	0.728796	49.806	389.915719	221.877012	45.435	11.063934	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	1.138403	43.760	390.325325	219.088095	51.108	8.275017	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	4.243875	30.527	393.430797	213.959600	63.646	3.146523	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	30.656494	12.180	19.843416	207.927042	82.424	397.113965	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	142.328909	13.792	131.515832	203.161100	101.215	392.348023	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	155.137429	20.055	144.324352	201.703104	107.898	390.890027	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	164.440253	32.408	153.627175	199.312099	120.070	388.499022	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	168.226608	46.359	157.413531	196.987950	133.434	386.174873	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	169.035129	52.185	158.222052	196.096826	138.975	385.283749	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	170.480042	72.136	159.666964	193.384013	157.952	382.570935	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	170.529517	73.222	159.716439	193.252288	158.988	382.439210	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	171.203314	92.114	160.390237	191.208254	177.118	380.395176	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	171.668717	112.101	160.855640	189.458989	196.450	378.645911	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	171.993268	132.091	161.180190	188.024030	215.904	377.210952	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	172.232492	152.084	161.419415	186.826784	235.449	376.013707	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	172.368855	166.445	161.555778	186.082753	249.532	375.269676	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	172.400334	172.079	161.587256	185.802915	255.057	374.989838	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	172.497158	192.077	161.684081	184.900595	274.702	374.087517	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	172.575722	212.076	161.762644	184.118852	294.394	373.305774	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	172.640745	232.074	161.827668	183.435225	314.126	372.622148	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	172.653164	236.331	161.840087	183.300663	318.330	372.487586	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	172.603407	252.072	161.790329	182.763904	333.830	371.950827	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	172.302710	272.030	161.489632	181.963953	353.356	371.150876	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	171.933855	286.945	161.120778	181.289461	367.863	370.476384	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	171.795479	291.902	160.982402	181.058267	372.676	370.245190	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087
Distancia: 220.144 Azimut: 170.947435
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	0.455806	70.394	229.508371	377.995680	284.854	7.048245	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	0.523992	56.374	229.576557	376.873910	271.719	5.926475	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	0.708216	50.396	229.760781	376.387239	266.103	5.439804	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	0.728796	49.806	229.781361	376.338091	265.550	5.390656	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	1.138403	43.760	230.190968	375.848223	259.844	4.900788	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	4.243875	30.527	233.296440	374.879036	247.061	3.931601	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	30.656494	12.180	259.709059	373.695805	227.560	2.748370	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	142.328909	13.792	371.381474	372.783788	207.808	1.836353	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	155.137429	20.055	384.189994	372.510734	200.764	1.563299	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	164.440253	32.408	393.492818	372.067659	187.934	1.120224	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	168.226608	46.359	397.279173	371.672816	173.838	0.725381	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	169.035129	52.185	398.087694	371.541397	167.990	0.593962	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	170.480042	72.136	399.532607	371.175226	148.011	0.227791	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	170.529517	73.222	399.582082	371.155708	146.924	0.208273	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	171.203314	92.114	0.255879	370.763337	128.031	399.815902	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	171.668717	112.101	0.721282	370.199165	108.058	399.251730	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	171.993268	132.091	1.045833	369.379249	88.097	398.431814	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	172.232492	152.084	1.285057	368.079337	68.160	397.131902	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	172.368855	166.445	1.421420	366.552309	53.868	395.604874	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	172.400334	172.079	1.452899	365.762589	48.269	394.815154	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	172.497158	192.077	1.549723	360.460028	28.509	389.512593	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	172.575722	212.076	1.628287	333.520256	9.779	362.572821	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	172.640745	232.074	1.693310	201.520020	13.360	230.572585	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	172.653164	236.331	1.705729	194.796596	17.303	223.849161	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	172.603407	252.072	1.655972	183.874218	32.511	212.926783	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	172.302710	272.030	1.355275	178.031351	52.148	207.083916	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	171.933855	286.945	0.986420	175.180374	66.915	204.232939	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	171.795479	291.902	0.848044	174.394920	71.838	203.447485	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087
Distancia: 220.144 Azimut: 170.947435
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

RECTA	380.000	163.828464	0.000	422769.972	4574543.960	171.285700	311.755	0.338265	172.098476	91.622	201.151041	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	170.836987	331.627	399.889552	170.618890	111.484	199.671455	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	170.777431	334.457	399.829996	170.450046	114.316	199.502611	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	170.422624	351.503	399.475189	169.543215	131.379	198.595780	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	170.050049	371.391	399.102614	168.744298	151.301	197.796863	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	169.715358	391.290	398.767923	168.131360	171.241	197.183925	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	169.413070	411.199	398.465635	167.646314	191.193	196.698879	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	169.316427	418.001	398.368992	167.503054	198.010	196.555619	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	169.141214	431.118	398.193779	167.258088	211.156	196.310653	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	168.939101	447.315	397.991666	166.994762	227.387	196.047327	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	168.894427	451.045	397.946992	166.938992	231.125	195.991557	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	168.797521	458.908	397.850086	166.817329	239.005	195.869894	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	168.628190	470.951	397.680755	166.594822	251.081	195.647387	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	168.291431	490.787	397.343996	166.134000	270.991	195.186565	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	167.891031	510.537	396.943596	165.577939	290.839	194.630504	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	167.668686	520.402	396.721251	165.269301	300.763	194.321866	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	167.437413	530.190	396.489978	164.950387	310.618	194.002952	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	167.398865	531.822	396.451430	164.897782	312.261	193.950347	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	167.160822	542.298	396.213387	164.579311	322.809	193.631876	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	167.006039	549.852	396.058604	164.380928	330.411	193.433493	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	166.672651	569.635	395.725216	163.987405	350.299	193.039970	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	166.611666	574.043	395.664231	163.922160	354.726	192.974725	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724
Distancia: 220.144 Azimut: 370.947435
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	377.995680	284.854	7.048245	0.455806	70.394	229.508371	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	376.873910	271.719	5.926475	0.523992	56.374	229.576557	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	376.387239	266.103	5.439804	0.708216	50.396	229.760781	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	376.338091	265.550	5.390656	0.728796	49.806	229.781361	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	375.848223	259.844	4.900788	1.138403	43.760	230.190968	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	374.879036	247.061	3.931601	4.243875	30.527	233.296440	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	373.695805	227.560	2.748370	30.656494	12.180	259.709059	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	372.783788	207.808	1.836353	142.328909	13.792	371.381474	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	372.510734	200.764	1.563299	155.137429	20.055	384.189994	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	372.067659	187.934	1.120224	164.440253	32.408	393.492818	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	371.672816	173.838	0.725381	168.226608	46.359	397.279173	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	371.541397	167.990	0.593962	169.035129	52.185	398.087694	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	371.175226	148.011	0.227791	170.480042	72.136	399.532607	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	371.155708	146.924	0.208273	170.529517	73.222	399.582082	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	370.763337	128.031	399.815902	171.203314	92.114	0.255879	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	370.199165	108.058	399.251730	171.668717	112.101	0.721282	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	369.379249	88.097	398.431814	171.993268	132.091	1.045833	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	368.079337	68.160	397.131902	172.232492	152.084	1.285057	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	366.552309	53.868	395.604874	172.368855	166.445	1.421420	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	365.762589	48.269	394.815154	172.400334	172.079	1.452899	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	360.460028	28.509	389.512593	172.497158	192.077	1.549723	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	333.520256	9.779	362.572821	172.575722	212.076	1.628287	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	201.520020	13.360	230.572585	172.640745	232.074	1.693310	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	194.796596	17.303	223.849161	172.653164	236.331	1.705729	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	183.874218	32.511	212.926783	172.603407	252.072	1.655972	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	178.031351	52.148	207.083916	172.302710	272.030	1.355275	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	175.180374	66.915	204.232939	171.933855	286.945	0.986420	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	174.394920	71.838	203.447485	171.795479	291.902	0.848044	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724
Distancia: 220.144 Azimut: 370.947435
BO : BR605 X: 422634.076 Y: 4574824.538 Z: 6.147 PK: 68.973 Dis= 8.087

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	172.098476	91.622	201.151041	171.285700	311.755	0.338265	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	170.618890	111.484	199.671455	170.836987	331.627	399.889552	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	170.450046	114.316	199.502611	170.777431	334.457	399.829996	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	169.543215	131.379	198.595780	170.422624	351.503	399.475189	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	168.744298	151.301	197.796863	170.050049	371.391	399.102614	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	168.131360	171.241	197.183925	169.715358	391.290	398.767923	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	167.646314	191.193	196.698879	169.413070	411.199	398.465635	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	167.503054	198.010	196.555619	169.316427	418.001	398.368992	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	167.258088	211.156	196.310653	169.141214	431.118	398.193779	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	166.994762	227.387	196.047327	168.939101	447.315	397.991666	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	166.938992	231.125	195.991557	168.894427	451.045	397.946992	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	166.817329	239.005	195.869894	168.797521	458.908	397.850086	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	166.594822	251.081	195.647387	168.628190	470.951	397.680755	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	166.134000	270.991	195.186565	168.291431	490.787	397.343996	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	165.577939	290.839	194.630504	167.891031	510.537	396.943596	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	165.269301	300.763	194.321866	167.668686	520.402	396.721251	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	164.950387	310.618	194.002952	167.437413	530.190	396.489978	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	164.897782	312.261	193.950347	167.398865	531.822	396.451430	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	164.579311	322.809	193.631876	167.160822	542.298	396.213387	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	164.380928	330.411	193.433493	167.006039	549.852	396.058604	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	163.987405	350.299	193.039970	166.672651	569.635	395.725216	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	163.922160	354.726	192.974725	166.611666	574.043	395.664231	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724
Distancia: 142.260 Azimut: 166.166979
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	377.995680	284.854	211.828702	374.060917	425.478	7.893939	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	376.873910	271.719	210.706931	373.198134	412.660	7.031156	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	376.387239	266.103	210.220260	372.829867	407.170	6.662889	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	376.338091	265.550	210.171112	372.792982	406.629	6.626003	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	375.848223	259.844	209.681244	372.425595	401.042	6.258616	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	374.879036	247.061	208.712057	371.697294	388.476	5.530315	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	373.695805	227.560	207.528826	370.800617	369.208	4.633639	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	372.783788	207.808	206.616809	370.095396	349.612	3.928417	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	372.510734	200.764	206.343755	369.880265	342.611	3.713286	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	372.067659	187.934	205.900681	369.525707	329.847	3.358728	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	371.672816	173.838	205.505837	369.195081	315.806	3.028102	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	371.541397	167.990	205.374418	369.077173	309.976	2.910194	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	371.175226	148.011	205.008248	368.720735	290.047	2.553756	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	371.155708	146.924	204.988730	368.701594	288.963	2.534615	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	370.763337	128.031	204.596359	368.344115	270.115	2.177136	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	370.199165	108.058	204.032187	367.907509	250.195	1.740530	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	369.379249	88.097	203.212271	367.395394	230.288	1.228415	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	368.079337	68.160	201.912358	366.786413	210.399	0.619434	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	366.552309	53.868	200.385330	366.272812	196.128	0.105833	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	365.762589	48.269	199.595610	366.064530	190.529	399.897551	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	360.460028	28.509	194.293049	365.214937	170.674	399.047959	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	333.520256	9.779	167.353278	364.141909	150.858	397.974931	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	201.520020	13.360	35.353041	362.744901	131.097	396.577922	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	194.796596	17.303	28.629618	362.391450	126.901	396.224471	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	183.874218	32.511	17.707239	361.058296	111.358	394.891317	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	178.031351	52.148	11.864372	359.433746	91.527	393.266768	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	175.180374	66.915	9.013395	358.299467	76.600	392.132488	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	174.394920	71.838	8.227941	357.914211	71.623	391.747233	4.966

Istram 21.04

PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724
Distancia: 142.260 Azimut: 166.166979
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	172.098476	91.622	5.931498	355.630968	51.742	389.463989	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	170.618890	111.484	4.451911	350.517953	32.011	384.350974	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	170.450046	114.316	4.283067	349.230512	29.231	383.063534	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	169.543215	131.379	3.376236	330.406891	13.075	364.239912	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	168.744298	151.301	2.577319	204.478769	10.817	238.311791	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	168.131360	171.241	1.964382	177.678035	29.378	211.511056	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	167.646314	191.193	1.479336	171.936869	49.083	205.769890	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	167.503054	198.010	1.336075	170.907027	55.860	204.740048	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	167.258088	211.156	1.091109	169.509368	68.959	203.342389	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	166.994762	227.387	0.827784	168.377672	85.159	202.210693	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	166.938992	231.125	0.772013	168.174554	88.892	202.007575	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	166.817329	239.005	0.650350	167.773488	96.763	201.606509	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	166.594822	251.081	0.427844	167.154102	108.828	200.987123	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	166.134000	270.991	399.967021	166.097554	128.731	199.930575	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	165.577939	290.839	399.410961	165.013995	148.591	198.847016	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	165.269301	300.763	399.102322	164.463755	158.530	198.296776	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	164.950387	310.618	398.783408	163.922687	168.405	197.755708	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	164.897782	312.261	398.730804	163.836039	170.053	197.669060	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	164.579311	322.809	398.412332	163.328931	180.628	197.161953	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	164.380928	330.411	398.213949	163.031276	188.249	196.864297	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	163.987405	350.299	397.820427	162.498135	208.179	196.331156	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	163.922160	354.726	397.755182	162.420316	212.613	196.253338	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493
Distancia: 142.260 Azimut: 366.166979
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	374.060917	425.478	7.893939	377.995680	284.854	211.828702	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	373.198134	412.660	7.031156	376.873910	271.719	210.706931	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	372.829867	407.170	6.662889	376.387239	266.103	210.220260	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	372.792982	406.629	6.626003	376.338091	265.550	210.171112	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	372.425595	401.042	6.258616	375.848223	259.844	209.681244	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	371.697294	388.476	5.530315	374.879036	247.061	208.712057	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	370.800617	369.208	4.633639	373.695805	227.560	207.528826	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	370.095396	349.612	3.928417	372.783788	207.808	206.616809	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	369.880265	342.611	3.713286	372.510734	200.764	206.343755	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	369.525707	329.847	3.358728	372.067659	187.934	205.900681	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	369.195081	315.806	3.028102	371.672816	173.838	205.505837	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	369.077173	309.976	2.910194	371.541397	167.990	205.374418	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	368.720735	290.047	2.553756	371.175226	148.011	205.008248	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	368.701594	288.963	2.534615	371.155708	146.924	204.988730	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	368.344115	270.115	2.177136	370.763337	128.031	204.596359	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	367.907509	250.195	1.740530	370.199165	108.058	204.032187	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	367.395394	230.288	1.228415	369.379249	88.097	203.212271	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	366.786413	210.399	0.619434	368.079337	68.160	201.912358	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	366.272812	196.128	0.105833	366.552309	53.868	200.385330	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	366.064530	190.529	399.897551	365.762589	48.269	199.595610	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	365.214937	170.674	399.047959	360.460028	28.509	194.293049	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	364.141909	150.858	397.974931	333.520256	9.779	167.353278	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	362.744901	131.097	396.577922	201.520020	13.360	35.353041	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	362.391450	126.901	396.224471	194.796596	17.303	28.629618	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	361.058296	111.358	394.891317	183.874218	32.511	17.707239	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	359.433746	91.527	393.266768	178.031351	52.148	11.864372	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	358.299467	76.600	392.132488	175.180374	66.915	9.013395	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	357.914211	71.623	391.747233	174.394920	71.838	8.227941	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493
Distancia: 142.260 Azimut: 366.166979
BO : BR604 X: 422731.089 Y: 4574626.923 Z: 5.278 PK: 287.929 Dis= -5.724

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	355.630968	51.742	389.463989	172.098476	91.622	5.931498	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	350.517953	32.011	384.350974	170.618890	111.484	4.451911	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	349.230512	29.231	383.063534	170.450046	114.316	4.283067	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	330.406891	13.075	364.239912	169.543215	131.379	3.376236	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	204.478769	10.817	238.311791	168.744298	151.301	2.577319	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	177.678035	29.378	211.511056	168.131360	171.241	1.964382	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	171.936869	49.083	205.769890	167.646314	191.193	1.479336	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	170.907027	55.860	204.740048	167.503054	198.010	1.336075	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	169.509368	68.959	203.342389	167.258088	211.156	1.091109	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	168.377672	85.159	202.210693	166.994762	227.387	0.827784	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	168.174554	88.892	202.007575	166.938992	231.125	0.772013	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	167.773488	96.763	201.606509	166.817329	239.005	0.650350	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	167.154102	108.828	200.987123	166.594822	251.081	0.427844	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	166.097554	128.731	199.930575	166.134000	270.991	399.967021	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	165.013995	148.591	198.847016	165.577939	290.839	399.410961	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	164.463755	158.530	198.296776	165.269301	300.763	399.102322	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	163.922687	168.405	197.755708	164.950387	310.618	398.783408	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	163.836039	170.053	197.669060	164.897782	312.261	398.730804	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	163.328931	180.628	197.161953	164.579311	322.809	398.412332	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	163.031276	188.249	196.864297	164.380928	330.411	398.213949	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	162.498135	208.179	196.331156	163.987405	350.299	397.820427	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	162.420316	212.613	196.253338	163.922160	354.726	397.755182	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

* * * DATOS PARA REPLANTEO DE PUNTOS * * *

BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 644.442 Dis= 36.015

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	374.060917	425.478	201.681131	373.480871	649.575	1.101085	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	373.198134	412.660	200.818348	372.910088	636.796	0.530302	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	372.829867	407.170	200.450082	372.670067	631.314	0.290281	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	372.792982	406.629	200.413196	372.646152	630.774	0.266366	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	372.425595	401.042	200.045809	372.409171	625.190	0.029385	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	371.697294	388.476	199.317508	371.947005	612.616	399.567219	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	370.800617	369.208	198.420831	371.397160	593.313	399.017374	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	370.095396	349.612	197.715610	370.987801	573.673	398.608015	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	369.880265	342.611	197.500479	370.868770	566.655	398.488984	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	369.525707	329.847	197.145921	370.680433	553.861	398.300647	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	369.195081	315.806	196.815295	370.517074	539.790	398.137288	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	369.077173	309.976	196.697387	370.463075	533.949	398.083289	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	368.720735	290.047	196.340949	370.315728	513.986	397.935942	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	368.701594	288.963	196.321808	370.308317	512.900	397.928531	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	368.344115	270.115	195.964329	370.174226	494.017	397.794441	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	367.907509	250.195	195.527723	370.020808	474.051	397.641022	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	367.395394	230.288	195.015608	369.853899	454.088	397.474113	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	366.786413	210.399	194.406627	369.671640	434.129	397.291854	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	366.272812	196.128	193.893026	369.530035	419.795	397.150249	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	366.064530	190.529	193.684744	369.478366	414.170	397.098580	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	365.214937	170.674	192.835151	369.283061	394.209	396.903275	5.020

RECTA	280.000	173.330253	0.000	422722.634	4574631.837	364.141909	150.858	191.762123	369.066924	374.251	396.687138	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	362.744901	131.097	190.365115	368.826441	354.299	396.446655	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	362.391450	126.901	190.011664	368.771717	350.053	396.391931	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	361.058296	111.358	188.678510	368.626535	334.330	396.246749	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	359.433746	91.527	187.053960	368.633943	314.333	396.254157	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	358.299467	76.600	185.919681	368.804295	299.354	396.424509	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	357.914211	71.623	185.534425	368.888672	294.372	396.508886	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 644.442 Dis= 36.015

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	355.630968	51.742	183.251182	369.257052	274.440	396.877266	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	350.517953	32.011	178.138167	369.683116	254.518	397.303330	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	349.230512	29.231	176.850727	369.749269	251.683	397.369483	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	330.406891	13.075	158.027105	370.206097	234.620	397.826311	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	204.478769	10.817	32.098983	370.830414	214.741	398.450628	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	177.678035	29.378	5.298249	371.582019	194.887	399.202233	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	171.936869	49.083	399.557083	372.503963	175.067	0.124177	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	170.907027	55.860	398.527241	372.868548	168.308	0.488762	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	169.509368	68.959	397.129582	373.654095	155.290	1.274309	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	168.377672	85.159	395.997886	374.826095	139.260	2.446309	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	168.174554	88.892	395.794768	375.135814	135.577	2.756028	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	167.773488	96.763	395.393702	375.865305	127.830	3.485519	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	167.154102	108.828	394.774316	377.280484	116.030	4.900698	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	166.097554	128.731	393.717768	380.738060	96.877	8.358274	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	165.013995	148.591	392.634209	386.413563	78.449	14.033778	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	164.463755	158.530	392.083969	390.592243	69.674	18.212457	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	163.922687	168.405	391.542901	396.040689	61.420	23.660903	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	163.836039	170.053	391.456253	397.099097	60.098	24.719311	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	163.328931	180.628	390.949145	5.093622	52.067	32.713837	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	163.031276	188.249	390.651490	12.368591	46.873	39.988805	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	162.498135	208.179	390.118349	39.208945	37.108	66.829159	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	162.420316	212.613	390.040530	46.710529	36.015	74.330743	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 644.442 Dis= 36.015
Distancia: 224.148 Azimut: 372.379786
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	373.480871	649.575	1.101085	374.060917	425.478	201.681131	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	372.910088	636.796	0.530302	373.198134	412.660	200.818348	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	372.670067	631.314	0.290281	372.829867	407.170	200.450082	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	372.646152	630.774	0.266366	372.792982	406.629	200.413196	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	372.409171	625.190	0.029385	372.425595	401.042	200.045809	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	371.947005	612.616	399.567219	371.697294	388.476	199.317508	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	371.397160	593.313	399.017374	370.800617	369.208	198.420831	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	370.987801	573.673	398.608015	370.095396	349.612	197.715610	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	370.868770	566.655	398.488984	369.880265	342.611	197.500479	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	370.680433	553.861	398.300647	369.525707	329.847	197.145921	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	370.517074	539.790	398.137288	369.195081	315.806	196.815295	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	370.463075	533.949	398.083289	369.077173	309.976	196.697387	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	370.315728	513.986	397.935942	368.720735	290.047	196.340949	5.086
RECTA	141.087	173.812621	0.000	422666.774	4574759.023	370.308317	512.900	397.928531	368.701594	288.963	196.321808	5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	370.174226	494.017	397.794441	368.344115	270.115	195.964329	5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	370.020808	474.051	397.641022	367.907509	250.195	195.527723	5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	369.853899	454.088	397.474113	367.395394	230.288	195.015608	5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	369.671640	434.129	397.291854	366.786413	210.399	194.406627	5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	369.530035	419.795	397.150249	366.272812	196.128	193.893026	5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	369.478366	414.170	397.098580	366.064530	190.529	193.684744	5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	369.283061	394.209	396.903275	365.214937	170.674	192.835151	5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	369.066924	374.251	396.687138	364.141909	150.858	191.762123	5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	368.826441	354.299	396.446655	362.744901	131.097	190.365115	4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	368.771717	350.053	396.391931	362.391450	126.901	190.011664	4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	368.626535	334.330	396.246749	361.058296	111.358	188.678510	4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	368.633943	314.333	396.254157	359.433746	91.527	187.053960	4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	368.804295	299.354	396.424509	358.299467	76.600	185.919681	4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	368.888672	294.372	396.508886	357.914211	71.623	185.534425	4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 644.442 Dis= 36.015
Distancia: 224.148 Azimut: 372.379786
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 431.349 Dis= -6.493

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	355.630968	51.742	183.251182	369.257052	274.440	396.877266	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	350.517953	32.011	178.138167	369.683116	254.518	397.303330	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	349.230512	29.231	176.850727	369.749269	251.683	397.369483	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	330.406891	13.075	158.027105	370.206097	234.620	397.826311	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	370.830414	214.741	398.450628	204.478769	10.817	32.098983	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	371.582019	194.887	399.202233	177.678035	29.378	5.298249	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	372.503963	175.067	0.124177	171.936869	49.083	399.557083	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	372.868548	168.308	0.488762	170.907027	55.860	398.527241	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	373.654095	155.290	1.274309	169.509368	68.959	397.129582	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	374.826095	139.260	2.446309	168.377672	85.159	395.997886	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	375.135814	135.577	2.756028	168.174554	88.892	395.794768	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	375.865305	127.830	3.485519	167.773488	96.763	395.393702	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	377.280484	116.030	4.900698	167.154102	108.828	394.774316	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	380.738060	96.877	8.358274	166.097554	128.731	393.717768	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	386.413563	78.449	14.033778	165.013995	148.591	392.634209	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	390.592243	69.674	18.212457	164.463755	158.530	392.083969	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	396.040689	61.420	23.660903	163.922687	168.405	391.542901	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	397.099097	60.098	24.719311	163.836039	170.053	391.456253	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	5.093622	52.067	32.713837	163.328931	180.628	390.949145	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	12.368591	46.873	39.988805	163.031276	188.249	390.651490	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	39.208945	37.108	66.829159	162.498135	208.179	390.118349	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	46.710529	36.015	74.330743	162.420316	212.613	390.040530	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 644.442 Dis= 36.015
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 644.442 Dis=-109.274

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	200.181631	0.000	422634.580	4574894.930	373.480871	649.575	236.300420	368.451565	743.379	31.271115	5.162
RECTA	14.020	198.971292	0.000	422634.540	4574880.910	372.910088	636.796	235.729638	367.867959	731.096	30.687508	5.154
RECTA	20.000	198.971292	0.000	422634.637	4574874.931	372.670067	631.314	235.489617	367.621775	725.821	30.441325	5.151
CIRC.	20.590	198.971292	0.000	422634.646	4574874.341	372.646152	630.774	235.465702	367.597284	725.301	30.416834	5.151
CLOT.	26.644	196.562454	0.000	422634.858	4574868.291	372.409171	625.190	235.228721	367.352981	719.919	30.172531	5.147
CLOT.	40.000	191.611760	0.000	422636.109	4574854.997	371.947005	612.616	234.766555	366.864344	707.743	29.683894	5.140
CLOT.	60.000	185.557209	0.000	422639.717	4574835.333	371.397160	593.313	234.216709	366.249891	688.921	29.069440	5.129
CLOT.	80.000	181.132405	0.000	422644.930	4574816.028	370.987801	573.673	233.807351	365.749450	669.651	28.569000	5.118
CIRC.	87.098	179.953857	0.000	422647.068	4574809.260	370.868770	566.655	233.688320	365.592609	662.745	28.412159	5.115
CIRC.	100.000	177.998242	0.000	422651.251	4574797.056	370.680433	553.861	233.499983	365.328977	650.133	28.148527	5.108
CLOT.	114.141	175.854834	0.000	422656.265	4574783.834	370.517074	539.790	233.336624	365.072646	636.232	27.892196	5.100
CLOT.	120.000	175.063275	0.000	422658.469	4574778.405	370.463075	533.949	233.282625	364.976694	630.451	27.796244	5.097
CLOT.	140.000	173.815945	0.000	422666.339	4574760.019	370.315728	513.986	233.135277	364.673994	610.670	27.493544	5.086

RECTA	141.087	173.812621	0.000	422666.774	4574759.023	370.308317	512.900	233.127867	364.657750	609.594	27.477300		5.085
RECTA	160.000	173.812621	0.000	422674.336	4574741.688	370.174226	494.017	232.993776	364.365731	590.883	27.185281		5.075
RECTA	180.000	173.812621	0.000	422682.333	4574723.356	370.020808	474.051	232.840358	364.036117	571.111	26.855667		5.064
RECTA	200.000	173.812621	0.000	422690.330	4574705.024	369.853899	454.088	232.673448	363.682872	551.354	26.502422		5.053
RECTA	220.000	173.812621	0.000	422698.327	4574686.693	369.671640	434.129	232.491190	363.303383	531.617	26.122933		5.042
RECTA	234.366	173.330253	0.000	422704.071	4574673.526	369.530035	419.795	232.349584	363.012948	517.452	25.832498		5.034
RECTA	240.000	173.330253	0.000	422706.363	4574668.378	369.478366	414.170	232.297916	362.899880	511.892	25.719429		5.031
RECTA	260.000	173.330253	0.000	422714.499	4574650.108	369.283061	394.209	232.102611	362.477918	492.170	25.297468		5.020
RECTA	280.000	173.330253	0.000	422722.634	4574631.837	369.066924	374.251	231.886474	362.020751	472.473	24.840301		5.010
RECTA	300.000	173.330253	0.000	422730.770	4574613.567	368.826441	354.299	231.645991	361.523834	452.801	24.343384		4.999
CIRC.	304.257	173.330253	0.000	422732.502	4574609.678	368.771717	350.053	231.591267	361.412446	448.618	24.231996		4.996
CIRC.	320.000	170.382491	0.000	422739.236	4574595.450	368.626535	334.330	231.446085	361.034538	433.095	23.854088		4.988
CIRC.	340.000	166.637669	0.000	422748.729	4574577.850	368.633943	314.333	231.453493	360.673620	413.242	23.493170		4.977
RECTA	355.003	163.828464	0.000	422756.521	4574565.030	368.804295	299.354	231.623845	360.502027	398.280	23.321577		4.969
RECTA	360.000	163.828464	0.000	422759.210	4574560.818	368.888672	294.372	231.708222	360.459783	393.290	23.279333		4.966

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 174 : ENLACE MAS BLAU. RONDA PONENT 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 644.442 Dis= 36.015
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 644.442 Dis=-109.274

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	380.000	163.828464	0.000	422769.972	4574543.960	369.257052	274.440	232.076602	360.279396	373.320	23.098946	4.955
RECTA	400.000	163.828464	0.000	422780.734	4574527.103	369.683116	254.518	232.502665	360.078620	353.353	22.898170	4.944
RECTA	402.848	163.490424	0.000	422782.266	4574524.702	369.749269	251.683	232.568819	360.048170	350.510	22.867720	4.943
RECTA	420.000	163.490424	0.000	422791.572	4574510.294	370.206097	234.620	233.025647	359.871157	333.384	22.690707	4.933
RECTA	440.000	163.490424	0.000	422802.424	4574493.494	370.830414	214.741	233.649964	359.640327	313.418	22.459877	4.923
RECTA	460.000	163.490424	0.000	422813.275	4574476.694	371.582019	194.887	234.401569	359.378090	293.458	22.197640	4.912
RECTA	480.000	163.490424	0.000	422824.126	4574459.894	372.503963	175.067	235.323513	359.077582	273.502	21.897132	4.901
RECTA	486.831	163.572839	0.000	422827.832	4574454.156	372.868548	168.308	235.688098	358.964648	266.689	21.784198	4.897
RECTA	500.000	163.572839	0.000	422834.963	4574443.084	373.654095	155.290	236.473645	358.725511	253.555	21.545061	4.890
CLOT.	516.257	163.572839	0.000	422843.766	4574429.417	374.826095	139.260	237.645645	358.393823	237.349	21.213373	4.919
CLOT.	520.000	163.503148	0.000	422845.794	4574426.271	375.135814	135.577	237.955364	358.311302	233.618	21.130851	4.946
CIRC.	527.893	162.899390	0.000	422850.101	4574419.656	375.865305	127.830	238.684855	358.138698	225.750	20.958248	5.030
CIRC.	540.000	161.498025	0.000	422856.875	4574409.622	377.280484	116.030	240.100034	357.908809	213.669	20.728359	5.232
CIRC.	560.000	159.183044	0.000	422868.543	4574393.380	380.738060	96.877	243.557610	357.657784	193.686	20.477334	5.754
CIRC.	580.000	156.868064	0.000	422880.794	4574377.573	386.413563	78.449	249.233113	357.615438	173.688	20.434988	6.447
CLOT.	590.028	155.707381	0.000	422887.151	4574369.818	390.592243	69.674	253.411793	357.696780	163.663	20.516330	6.798
CLOT.	600.000	155.047702	0.000	422893.593	4574362.205	396.040689	61.420	258.860239	357.852571	153.698	20.672121	7.145
CLOT.	601.664	155.033932	0.000	422894.672	4574360.939	397.099097	60.098	259.918647	357.883360	152.035	20.702910	7.199
CIRC.	612.331	155.599816	0.000	422901.571	4574352.804	5.093622	52.067	267.913172	358.084051	141.379	20.903601	7.490
CIRC.	620.000	156.413564	0.000	422906.459	4574346.894	12.368591	46.873	275.188141	358.203180	133.714	21.022730	7.641
CIRC.	640.000	158.535630	0.000	422918.847	4574331.193	39.208945	37.108	302.028495	358.331312	113.716	21.150862	7.803
CIRC.	644.442	159.006943	0.000	422921.527	4574327.650	46.710529	36.015	309.530079	358.313427	109.274	21.132977	7.803

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 175 : RAMAL ROTONDA MAS BLAU B22

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 21.834 Dis= -7.921
Distancia: 108.680 Azimut: 137.180450
BO : BR601 X: 422988.076 Y: 4574240.978 Z: 4.952 PK: 5.726 Dis=-106.168

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	230.806158	0.000	422915.220	4574319.522	48.586765	25.766	311.406315	352.390803	107.131	15.210353	8.267
CLOT.	19.357	292.422956	0.000	422899.891	4574308.968	19.000955	8.438	281.820505	341.813583	111.352	4.633133	9.127
CLOT.	20.000	294.453535	0.000	422899.252	4574308.902	14.410474	8.209	277.230023	341.561626	111.818	4.381176	9.154
CLOT.	40.000	343.059437	0.000	422880.803	4574315.263	345.389751	21.955	208.209301	338.558014	130.483	1.377564	9.460
CLOT.	60.000	363.371128	0.000	422868.009	4574330.522	350.234464	41.734	213.054014	340.794227	149.781	3.613777	8.752
CIRC.	63.072	363.984215	0.000	422866.352	4574333.108	351.154341	44.741	213.973891	341.245881	152.659	4.065431	8.554
CIRC.	80.000	365.523764	0.000	422857.451	4574347.507	354.878041	61.389	217.697591	343.553973	168.557	6.373523	7.369
CIRC.	100.000	367.342678	0.000	422847.388	4574364.791	357.711456	81.141	220.531006	345.943855	187.410	8.763405	6.156
CIRC.	120.000	369.161592	0.000	422837.823	4574382.354	359.791137	100.920	222.610687	348.062801	206.308	10.882351	5.437
CLOT.	132.324	370.282388	0.000	422832.180	4574393.310	360.868795	113.110	223.688345	349.263988	217.964	12.083538	5.241
CLOT.	140.000	370.880614	0.000	422828.760	4574400.182	361.485144	120.703	224.304694	349.977577	225.228	12.797127	5.217
CLOT.	159.147	371.502133	0.000	422820.416	4574417.416	362.824904	139.654	225.644454	351.623599	243.393	14.443149	5.202
CLOT.	160.000	371.501498	0.000	422820.047	4574418.184	362.877397	140.499	225.696946	351.691879	244.204	14.511429	5.201
CLOT.	180.000	371.121787	0.000	422811.353	4574436.196	363.933602	160.343	226.753152	353.162895	263.327	15.982445	5.158
CIRC.	193.657	370.460427	0.000	422805.309	4574448.443	364.473160	173.927	227.292710	354.023881	276.488	16.843431	5.101
CIRC.	193.657	370.460427	0.000	422805.309	4574448.443	364.473160	173.927	227.292710	354.023881	276.488	16.843431	5.101

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 175 : RAMAL ROTONDA MAS BLAU B22

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 21.834 Dis= -7.921
Distancia: 224.148 Azimut: 372.379786
BO : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 193.657 Dis= 55.882

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	230.806158	0.000	422915.220	4574319.522	48.586765	25.766	76.206979	165.297915	216.077	392.918129	8.267
CLOT.	19.357	292.422956	0.000	422899.891	4574308.968	19.000955	8.438	46.621169	170.731596	217.946	398.351810	9.127
CLOT.	20.000	294.453535	0.000	422899.252	4574308.902	14.410474	8.209	42.030688	170.907632	217.723	398.527846	9.154
CLOT.	40.000	343.059437	0.000	422880.803	4574315.263	345.389751	21.955	373.009965	175.194535	204.337	2.814749	9.460
CLOT.	60.000	363.371128	0.000	422868.009	4574330.522	350.234464	41.734	377.854678	177.268006	185.460	4.888220	8.752
CIRC.	63.072	363.984215	0.000	422866.352	4574333.108	351.154341	44.741	378.774555	177.494155	182.459	5.114369	8.554
CIRC.	80.000	365.523764	0.000	422857.451	4574347.507	354.878041	61.389	382.498255	178.785518	165.903	6.405733	7.369
CIRC.	100.000	367.342678	0.000	422847.388	4574364.791	357.711456	81.141	385.331670	180.463363	146.330	8.083577	6.156
CIRC.	120.000	369.161592	0.000	422837.823	4574382.354	359.791137	100.920	387.411351	182.378542	126.755	9.998756	5.437
CLOT.	132.324	370.282388	0.000	422832.180	4574393.310	360.868795	113.110	388.489009	183.729557	114.700	11.349771	5.241
CLOT.	140.000	370.880614	0.000	422828.760	4574400.182	361.485144	120.703	389.105358	184.663245	107.198	12.283459	5.217
CLOT.	159.147	371.502133	0.000	422820.416	4574417.416	362.824904	139.654	390.445118	187.533311	88.561	15.153525	5.202
CLOT.	160.000	371.501498	0.000	422820.047	4574418.184	362.877397	140.499	390.497611	187.687460	87.736	15.307674	5.201
CLOT.	180.000	371.121787	0.000	422811.353	4574436.196	363.933602	160.343	391.553816	192.398722	68.577	20.018937	5.158
CIRC.	193.657	370.460427	0.000	422805.309	4574448.443	364.473160	173.927	392.093374	197.578172	55.882	25.198386	5.101
CIRC.	193.657	370.460427	0.000	422805.309	4574448.443	364.473160	173.927	392.093374	197.578172	55.882	25.198386	5.101

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 175 : RAMAL ROTONDA MAS BLAU B22

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
==========

BR : BR603 X: 422803.184 Y: 4574504.284 Z: 5.120 PK: 193.657 Dis= 55.882
Distancia: 224.148 Azimut: 172.379786
BO : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 21.834 Dis= -7.921

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	230.806158	0.000	422915.220	4574319.522	165.297915	216.077	392.918129	48.586765	25.766	76.206979	8.267
CLOT.	19.357	292.422956	0.000	422899.891	4574308.968	170.731596	217.946	398.351810	19.000955	8.438	46.621169	9.127
CLOT.	20.000	294.453535	0.000	422899.252	4574308.902	170.907632	217.723	398.527846	14.410474	8.209	42.030688	9.154
CLOT.	40.000	343.059437	0.000	422880.803	4574315.263	175.194535	204.337	2.814749	345.389751	21.955	373.009965	9.460
CLOT.	60.000	363.371128	0.000	422868.009	4574330.522	177.268006	185.460	4.888220	350.234464	41.734	377.854678	8.752
CIRC.	63.072	363.984215	0.000	422866.352	4574333.108	177.494155	182.459	5.114369	351.154341	44.741	378.774555	8.554
CIRC.	80.000	365.523764	0.000	422857.451	4574347.507	178.785518	165.903	6.405733	354.878041	61.389	382.498255	7.369
CIRC.	100.000	367.342678	0.000	422847.388	4574364.791	180.463363	146.330	8.083577	357.711456	81.141	385.331670	6.156
CIRC.	120.000	369.161592	0.000	422837.823	4574382.354	182.378542	126.755	9.998756	359.791137	100.920	387.411351	5.437
CLOT.	132.324	370.282388	0.000	422832.180	4574393.310	183.729557	114.700	11.349771	360.868795	113.110	388.489009	5.241
CLOT.	140.000	370.880614	0.000	422828.760	4574400.182	184.663245	107.198	12.283459	361.485144	120.703	389.105358	5.217
CLOT.	159.147	371.502133	0.000	422820.416	4574417.416	187.533311	88.561	15.153525	362.824904	139.654	390.445118	5.202
CLOT.	160.000	371.501498	0.000	422820.047	4574418.184	187.687460	87.736	15.307674	362.877397	140.499	390.497611	5.201
CLOT.	180.000	371.121787	0.000	422811.353	4574436.196	192.398722	68.577	20.018937	363.933602	160.343	391.553816	5.158
CIRC.	193.657	370.460427	0.000	422805.309	4574448.443	197.578172	55.882	25.198386	364.473160	173.927	392.093374	5.101
CIRC.	193.657	370.460427	0.000	422805.309	4574448.443	197.578172	55.882	25.198386	364.473160	173.927	392.093374	5.101

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 176 : RAMAL AVDA 11 DE SEPT A B22

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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BR : BR602 X: 422897.410 Y: 4574300.903 Z: 9.461 PK: 25.459 Dis= -18.470
Distancia: 108.680 Azimut: 137.180450

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 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:     109.120 Dis= -28.404
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	77.547327	0.000	422873.595	4574277.140	250.069002	33.643	112.888552	319.477876	120.056	382.297426	10.709
CIRC.	1.465	77.547327	0.000	422874.970	4574277.646	248.861675	32.318	111.681225	319.957945	118.901	382.777495	10.680
CIRC.	20.000	92.297051	0.000	422892.947	4574281.985	214.747976	19.437	77.567526	325.910413	103.591	388.729963	10.081
CIRC.	40.000	108.212546	0.000	422912.895	4574281.905	156.462809	24.509	19.282359	331.736791	85.599	394.556341	9.298
CIRC.	60.000	124.128040	0.000	422932.203	4574276.893	138.454652	42.274	1.274202	336.369509	66.420	399.189059	8.744
CIRC.	62.507	126.122840	0.000	422934.517	4574275.929	137.713097	44.728	0.532646	336.807928	63.954	399.627478	8.667
CIRC.	80.000	152.638449	0.000	422948.666	4574265.858	138.179465	62.091	0.999015	335.849476	46.606	398.669025	8.012
CIRC.	100.000	182.953676	0.000	422958.266	4574248.528	145.241002	80.291	8.060552	315.790621	30.751	378.610171	7.113
CIRC.	120.000	213.268903	0.000	422958.853	4574228.725	155.103497	94.789	17.923047	274.723587	31.688	337.543137	6.218
CIRC.	140.000	243.584131	0.000	422950.298	4574210.856	166.191906	104.430	29.011456	257.147373	48.317	319.966923	5.565
CIRC.	160.000	273.899358	0.000	422934.504	4574198.896	177.796471	108.542	40.616021	257.610997	68.124	320.430547	5.295
CIRC.	180.000	304.214585	0.000	422914.984	4574195.507	189.481600	106.851	52.301150	264.571384	86.081	327.390934	5.253
CIRC.	200.000	334.529812	0.000	422896.083	4574201.443	200.849613	99.468	63.669163	274.160193	100.129	336.979743	5.184
CIRC.	220.000	364.845040	0.000	422882.005	4574215.383	211.345976	86.896	74.165525	284.926672	109.115	347.746221	5.058
CLOT.	234.478	386.789497	0.000	422876.663	4574228.762	217.827154	75.065	80.646704	293.047682	112.080	355.867232	5.001
CLOT.	238.035	389.485965	0.000	422876.029	4574232.263	219.223867	71.893	82.043417	295.058328	112.385	357.877878	5.006
CIRC.	238.185	389.481208	0.000	422876.005	4574232.410	219.283568	71.760	82.103118	295.142641	112.399	357.962191	5.006
CIRC.	240.000	389.365652	0.000	422875.704	4574234.201	220.028254	70.145	82.847804	296.165017	112.576	358.984567	5.008
CIRC.	260.000	388.092413	0.000	422872.182	4574253.888	231.352878	53.356	94.172428	307.062285	116.611	369.881834	4.970
CIRC.	268.280	387.565299	0.000	422870.609	4574262.017	238.417202	47.228	101.236752	311.282347	119.337	374.101897	4.827

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :   10 : ENLACE MAS BLAU
 EJE        :  176 : RAMAL AVDA 11 DE SEPT A B22


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:     109.120 Dis= -28.404
                                                                      Distancia:   108.680  Azimut: 337.180450
 BO : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      25.459 Dis= -18.470
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	77.547327	0.000	422873.595	4574277.140	319.477876	120.056	382.297426	250.069002	33.643	112.888552	10.709
CIRC.	1.465	77.547327	0.000	422874.970	4574277.646	319.957945	118.901	382.777495	248.861675	32.318	111.681225	10.680
CIRC.	20.000	92.297051	0.000	422892.947	4574281.985	325.910413	103.591	388.729963	214.747976	19.437	77.567526	10.081
CIRC.	40.000	108.212546	0.000	422912.895	4574281.905	331.736791	85.599	394.556341	156.462809	24.509	19.282359	9.298
CIRC.	60.000	124.128040	0.000	422932.203	4574276.893	336.369509	66.420	399.189059	138.454652	42.274	1.274202	8.744
CIRC.	62.507	126.122840	0.000	422934.517	4574275.929	336.807928	63.954	399.627478	137.713097	44.728	0.532646	8.667
CIRC.	80.000	152.638449	0.000	422948.666	4574265.858	335.849476	46.606	398.669025	138.179465	62.091	0.999015	8.012
CIRC.	100.000	182.953676	0.000	422958.266	4574248.528	315.790621	30.751	378.610171	145.241002	80.291	8.060552	7.113
CIRC.	120.000	213.268903	0.000	422958.853	4574228.725	274.723587	31.688	337.543137	155.103497	94.789	17.923047	6.218
CIRC.	140.000	243.584131	0.000	422950.298	4574210.856	257.147373	48.317	319.966923	166.191906	104.430	29.011456	5.565
CIRC.	160.000	273.899358	0.000	422934.504	4574198.896	257.610997	68.124	320.430547	177.796471	108.542	40.616021	5.295
CIRC.	180.000	304.214585	0.000	422914.984	4574195.507	264.571384	86.081	327.390934	189.481600	106.851	52.301150	5.253
CIRC.	200.000	334.529812	0.000	422896.083	4574201.443	274.160193	100.129	336.979743	200.849613	99.468	63.669163	5.184
CIRC.	220.000	364.845040	0.000	422882.005	4574215.383	284.926672	109.115	347.746221	211.345976	86.896	74.165525	5.058
CLOT.	234.478	386.789497	0.000	422876.663	4574228.762	293.047682	112.080	355.867232	217.827154	75.065	80.646704	5.001
CLOT.	238.035	389.485965	0.000	422876.029	4574232.263	295.058328	112.385	357.877878	219.223867	71.893	82.043417	5.006
CIRC.	238.185	389.481208	0.000	422876.005	4574232.410	295.142641	112.399	357.962191	219.283568	71.760	82.103118	5.006
CIRC.	240.000	389.365652	0.000	422875.704	4574234.201	296.165017	112.576	358.984567	220.028254	70.145	82.847804	5.008
CIRC.	260.000	388.092413	0.000	422872.182	4574253.888	307.062285	116.611	369.881834	231.352878	53.356	94.172428	4.970
CIRC.	268.280	387.565299	0.000	422870.609	4574262.017	311.282347	119.337	374.101897	238.417202	47.228	101.236752	4.827

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :   10 : ENLACE MAS BLAU
 EJE        :  176 : RAMAL AVDA 11 DE SEPT A B22


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
                          ==========================================

 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      25.459 Dis= -18.470
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:     109.120 Dis= -28.404
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	77.547327	0.000	422873.595	4574277.140	250.069002	33.643	112.888552	319.477876	120.056	382.297426	10.709
CIRC.	1.465	77.547327	0.000	422874.970	4574277.646	248.861675	32.318	111.681225	319.957945	118.901	382.777495	10.680
CIRC.	20.000	92.297051	0.000	422892.947	4574281.985	214.747976	19.437	77.567526	325.910413	103.591	388.729963	10.081
CIRC.	40.000	108.212546	0.000	422912.895	4574281.905	156.462809	24.509	19.282359	331.736791	85.599	394.556341	9.298
CIRC.	60.000	124.128040	0.000	422932.203	4574276.893	138.454652	42.274	1.274202	336.369509	66.420	399.189059	8.744
CIRC.	62.507	126.122840	0.000	422934.517	4574275.929	137.713097	44.728	0.532646	336.807928	63.954	399.627478	8.667
CIRC.	80.000	152.638449	0.000	422948.666	4574265.858	138.179465	62.091	0.999015	335.849476	46.606	398.669025	8.012
CIRC.	100.000	182.953676	0.000	422958.266	4574248.528	145.241002	80.291	8.060552	315.790621	30.751	378.610171	7.113
CIRC.	120.000	213.268903	0.000	422958.853	4574228.725	155.103497	94.789	17.923047	274.723587	31.688	337.543137	6.218
CIRC.	140.000	243.584131	0.000	422950.298	4574210.856	166.191906	104.430	29.011456	257.147373	48.317	319.966923	5.565
CIRC.	160.000	273.899358	0.000	422934.504	4574198.896	177.796471	108.542	40.616021	257.610997	68.124	320.430547	5.295
CIRC.	180.000	304.214585	0.000	422914.984	4574195.507	189.481600	106.851	52.301150	264.571384	86.081	327.390934	5.253
CIRC.	200.000	334.529812	0.000	422896.083	4574201.443	200.849613	99.468	63.669163	274.160193	100.129	336.979743	5.184
CIRC.	220.000	364.845040	0.000	422882.005	4574215.383	211.345976	86.896	74.165525	284.926672	109.115	347.746221	5.058
CLOT.	234.478	386.789497	0.000	422876.663	4574228.762	217.827154	75.065	80.646704	293.047682	112.080	355.867232	5.001
CLOT.	238.035	389.485965	0.000	422876.029	4574232.263	219.223867	71.893	82.043417	295.058328	112.385	357.877878	5.006
CIRC.	238.185	389.481208	0.000	422876.005	4574232.410	219.283568	71.760	82.103118	295.142641	112.399	357.962191	5.006
CIRC.	240.000	389.365652	0.000	422875.704	4574234.201	220.028254	70.145	82.847804	296.165017	112.576	358.984567	5.008
CIRC.	260.000	388.092413	0.000	422872.182	4574253.888	231.352878	53.356	94.172428	307.062285	116.611	369.881834	4.970
CIRC.	268.280	387.565299	0.000	422870.609	4574262.017	238.417202	47.228	101.236752	311.282347	119.337	374.101897	4.827

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :   10 : ENLACE MAS BLAU
 EJE        :  177 : Def_D_Ent Glorieta desde Avd 11 Sep


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:       2.426 Dis= -14.159
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      23.564 Dis= -79.391
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	77.547327	0.000	422898.676	4574286.478	194.425624	14.480	57.245173	329.970961	100.312	392.790511	9.780
CIRC.	0.000	77.547327	0.000	422898.676	4574286.478	194.425625	14.480	57.245175	329.970961	100.312	392.790511	9.780
CIRC.	20.000	128.476908	0.000	422918.125	4574285.557	140.589751	25.780	3.409301	336.121295	82.948	398.940844	9.064
CIRC.	23.564	137.552997	0.000	422921.218	4574283.792	139.671847	29.319	2.491397	336.260577	79.391	399.080126	9.004

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 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :   10 : ENLACE MAS BLAU
 EJE        :  178 : Def_I_Sal Glorieta a Avd 11 Sep


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      17.749 Dis=   3.212
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:       9.804 Dis=-103.966
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	209.781160	0.000	422908.692	4574312.329	49.594182	16.057	312.413732	346.610497	106.738	9.430047	8.707
CIRC.	20.000	273.443138	0.000	422897.030	4574297.105	206.342460	3.817	69.162010	335.169688	106.956	397.989238	9.514
RECTA	21.289	277.547327	0.000	422895.836	4574296.621	222.431584	4.562	85.251134	334.555626	107.724	397.375176	9.575
RECTA	22.127	277.547327	0.000	422895.049	4574296.332	230.346808	5.145	93.166358	334.171081	108.250	396.990631	9.615

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :   10 : ENLACE MAS BLAU
 EJE        :  179 : Def_I_Ent Glorieta desde Avd 11 Sep


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      34.503 Dis= -56.801
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      20.362 Dis=-102.144
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	257.857457	0.000	422972.520	4574348.869	63.819089	89.120	326.638639	390.884013	109.007	53.703563	5.197
CIRC.	10.220	257.857457	0.000	422964.459	4574342.587	64.589688	78.950	327.409238	385.461252	104.318	48.280802	5.692
CIRC.	20.000	278.611698	0.000	422955.909	4574337.928	64.077334	69.232	326.896884	379.605376	102.147	42.424926	6.272
CIRC.	34.503	309.387773	0.000	422941.611	4574336.576	56.770929	56.801	319.590479	371.197994	106.292	34.017544	6.808

```
 Istram 21.04
 PROYECTO   : BAIX LLOBREGAT
 GRUPO      :   10 : ENLACE MAS BLAU
 EJE        :  180 : Def_D_Sal Glorieta a Avd 11 Sep


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                          * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:       0.000 Dis= -69.182
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:       0.000 Dis=  69.406
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA

CIRC.	0.000	2.197388	0.000	422966.333	4574306.890	94.483418	69.182	357.302968	379.714689	69.406	42.534239	6.722
CIRC.	20.000	34.028377	0.000	422971.888	4574325.887	79.395277	78.557	342.214827	388.006895	86.438	50.826445	6.043
RECTA	34.972	57.857457	0.000	422981.722	4574337.061	74.208084	91.738	337.027634	395.796064	96.293	58.615614	5.496
RECTA	34.972	57.857457	0.000	422981.722	4574337.061	74.208084	91.738	337.027634	395.796064	96.293	58.615614	5.496

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 181 : Deflectora 2

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:       0.000 Dis=  27.495
                                                                      Distancia:   108.680  Azimut: 337.180450
 BO : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      31.867 Dis= -66.898
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	362.500448	0.000	422971.099	4574262.605	357.631314	27.495	20.450864	130.513397	83.047	393.332947	6.855
CIRC.	20.000	390.794660	0.000	422963.985	4574281.121	365.589640	46.817	28.409190	118.387354	69.452	381.206903	7.523
CIRC.	39.003	17.678143	0.000	422965.239	4574299.941	376.475809	63.231	39.295359	100.902488	67.836	363.722038	6.942

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 182 : Deflectora 1

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:       0.000 Dis= -43.602
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      36.574 Dis= -30.636
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	104.945841	0.000	422935.099	4574278.979	133.541226	43.602	396.360776	339.613562	65.197	2.433112	8.657
CIRC.	0.000	104.945840	0.000	422935.099	4574278.979	133.541226	43.602	396.360776	339.613563	65.197	2.433112	8.657
CIRC.	20.000	155.875420	0.000	422952.391	4574270.027	132.574902	63.057	395.394452	343.496636	46.014	6.316186	7.895
CIRC.	23.602	165.046999	0.000	422954.485	4574267.101	134.039937	66.333	396.859487	342.078814	42.553	4.898363	7.710
CIRC.	36.574	162.500449	0.000	422961.474	4574256.174	138.802992	78.134	1.622542	333.039938	30.636	395.859487	6.915

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 182 : Deflectora 1

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      36.574 Dis= -30.636
                                                                      Distancia:   108.680  Azimut: 337.180450
 BO : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:       0.000 Dis= -43.602
```

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	104.945841	0.000	422935.099	4574278.979	339.613562	65.197	2.433112	133.541226	43.602	396.360776	8.657
CIRC.	0.000	104.945840	0.000	422935.099	4574278.979	339.613563	65.197	2.433112	133.541226	43.602	396.360776	8.657
CIRC.	20.000	155.875420	0.000	422952.391	4574270.027	343.496636	46.014	6.316186	132.574902	63.057	395.394452	7.895
CIRC.	23.602	165.046999	0.000	422954.485	4574267.101	342.078814	42.553	4.898363	134.039937	66.333	396.859487	7.710
CIRC.	36.574	162.500449	0.000	422961.474	4574256.174	333.039938	30.636	395.859487	138.802992	78.134	1.622542	6.915

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 184 : RAMAL B22 A RONDA SUR

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:     265.857 Dis=  -9.717
                                                                      Distancia:   108.680  Azimut: 337.180450
 BO : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:     247.776 Dis=-110.178
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	7.138894	0.000	422883.707	4574002.610	226.273561	260.216	289.093111	202.922530	298.607	65.742080	4.826
CIRC.	20.000	5.485336	0.000	422885.686	4574022.511	227.901408	241.270	290.720958	202.679355	278.638	65.498905	4.849
CIRC.	40.000	3.831778	0.000	422887.149	4574042.457	229.942973	222.703	292.762523	202.526342	258.649	65.345892	4.852
CIRC.	60.000	2.178221	0.000	422888.092	4574062.434	232.498533	204.633	295.318082	202.486230	238.651	65.305780	4.893
CLOT.	74.043	1.017164	0.000	422888.445	4574076.473	234.667687	192.324	297.487236	202.541781	224.609	65.361331	4.872
CLOT.	80.000	1.247674	0.000	422888.547	4574082.429	235.687236	187.200	298.506786	202.581220	218.654	65.400770	4.872
CLOT.	100.000	5.393984	0.000	422889.454	4574102.405	239.377091	170.085	302.196641	202.550369	198.658	65.369919	4.941
CLOT.	120.000	14.737190	0.000	422892.466	4574122.158	243.136183	152.511	305.955733	201.760583	178.813	64.580133	5.049
CIRC.	123.043	16.614349	0.000	422893.207	4574125.110	243.677238	149.752	306.496788	201.521858	175.843	64.341408	5.066
CIRC.	140.000	27.409427	0.000	422898.947	4574141.044	246.365703	133.906	309.185252	199.387990	159.866	62.207540	5.158
CLOT.	155.515	37.286455	0.000	422906.488	4574154.585	248.179587	118.829	310.999137	196.055374	146.599	58.874924	5.244
CLOT.	160.000	40.011140	0.000	422909.048	4574158.268	248.551002	114.396	311.370551	194.817319	143.109	57.636869	5.268
CLOT.	180.000	48.979631	0.000	422922.009	4574173.478	249.317003	94.452	312.136553	187.859778	129.778	50.679328	5.357
CLOT.	200.000	52.751226	0.000	422936.434	4574187.326	248.784977	74.467	311.604527	178.930712	120.094	41.750262	5.285
RECTA	204.515	52.883639	0.000	422939.766	4574190.373	248.523507	69.962	311.343057	176.703140	118.367	39.522690	5.243
RECTA	220.000	52.883639	0.000	422951.200	4574200.816	247.286081	54.524	310.105631	168.605541	113.626	31.425091	5.025
RECTA	240.000	52.883639	0.000	422965.968	4574214.303	244.057525	34.645	306.877075	157.369544	110.452	20.189094	4.827
RECTA	260.000	52.883639	0.000	422980.736	4574227.790	232.332863	15.093	295.152413	145.849577	110.854	8.669126	5.016
RECTA	265.857	52.883639	0.000	422985.061	4574231.740	220.083783	9.717	282.903333	142.528687	111.652	5.348237	5.136

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 185 : Camino Mas Blau

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      59.833 Dis= -87.649
                                                                      Distancia:   108.680  Azimut: 337.180450
 BO : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      35.634 Dis=-184.676
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	388.266294	0.000	422997.466	4574119.363	195.094413	121.977	257.913963	167.931785	207.287	30.751335	5.018
CIRC.	7.467	388.266294	0.000	422996.097	4574126.703	195.538626	114.556	258.358175	167.186229	200.212	30.005779	5.055
CIRC.	20.000	20.181777	0.000	422996.920	4574139.079	194.488686	102.282	257.308236	164.901838	189.972	27.721388	5.154
RECTA	39.702	70.352959	0.000	423009.448	4574153.623	184.724812	89.931	247.544361	158.599182	185.051	21.418732	5.371
RECTA	40.000	70.352959	0.000	423009.714	4574153.757	184.519182	89.865	247.338732	158.498495	185.106	21.318045	5.373
RECTA	60.000	70.352959	0.000	423027.584	4574162.738	170.231227	87.650	233.050777	151.895307	189.829	14.714857	5.344
RECTA	74.125	70.352959	0.000	423040.205	4574169.080	160.062588	88.807	222.882138	147.457792	194.339	10.277342	5.181

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 186 : Deflectora 3

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      17.001 Dis= -45.092
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:       0.000 Dis=-109.348
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	295.821785	0.000	422935.448	4574336.829	51.817549	52.322	314.637099	368.033895	109.348	30.853445	7.024
CIRC.	20.000	338.263103	0.000	422916.516	4574342.022	27.690790	45.341	290.510340	360.770438	123.817	23.589988	7.617
CIRC.	28.634	356.583978	0.000	422910.191	4574347.854	16.919533	48.660	279.739083	359.908420	132.245	22.727969	7.595

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 187 : Deflectora 4

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      25.230 Dis=  24.522
                                                                      Distancia:   108.680  Azimut: 137.180450
 BO : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      25.230 Dis=-110.767
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
CIRC.	0.000	156.584070	0.000	422904.757	4574343.441	10.887820	43.168	273.707370	356.537079	132.064	19.356629	7.735
CIRC.	8.176	157.456698	0.000	422909.867	4574337.059	21.123126	38.241	283.942676	356.505182	123.888	19.324732	7.877
CIRC.	20.000	207.637818	0.000	422912.986	4574325.969	35.396075	29.511	298.215625	353.932368	113.411	16.751918	8.160
CIRC.	25.230	229.833600	0.000	422911.476	4574320.989	38.892778	24.522	301.712328	351.386673	110.767	14.206223	8.364

Istram 21.04
PROYECTO : BAIX LLOBREGAT
GRUPO : 10 : ENLACE MAS BLAU
EJE : 188 : RAMAL GLORIETA MAS BLAU A B22_AUX

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                              * * *  DATOS PARA REPLANTEO DE PUNTOS  * * *
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 BR : BR601                X:  422988.076  Y: 4574240.978  Z:   4.952  PK:      43.312 Dis=  65.934
                                                                      Distancia:   108.680  Azimut: 337.180450
 BO : BR602                X:  422897.410  Y: 4574300.903  Z:   9.461  PK:      43.312 Dis=-170.306
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TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)	COTA
RECTA	0.000	348.351501	0.000	423052.667	4574154.180	159.272577	108.194	222.092127	148.201510	213.617	11.021060	5.228
RECTA	20.000	348.351501	0.000	423038.163	4574167.951	161.727658	88.553	224.547208	148.186016	193.618	11.005566	5.208
RECTA	40.000	348.351501	0.000	423023.660	4574181.722	165.572039	69.119	228.391589	148.166953	173.618	10.986503	5.234
RECTA	43.312	348.351501	0.000	423021.258	4574184.002	166.426506	65.934	229.246056	148.163364	170.306	10.982914	5.232