



ANEJO 19. REPLANTEO

Equipo Redactor

REDACTADO	REVISADO Y APROBADO
	
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Revisiones al Documento

Fecha	Revisión Modificada	Causa de la Modificación

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APÉNDICE I: LISTADOS DE REPLANTEO

1. INTRODUCCIÓN

El presente anejo tiene por objeto el cálculo de los datos de replanteo y materialización de los ejes proyectados sobre el terreno.

2. BASES DE REPLANTEO

Para la ejecución del replanteo de los ejes se ha utilizado tecnología GPS por lo que se han empleado los vértices de la Red de Bases de Replanteo que tienen una separación entre sí inferior a la necesaria para que se pueda replantar el eje con estos aparatos.

En el Anejo 2: Cartografía y Topografía se adjuntan las reseñas de las bases utilizadas.

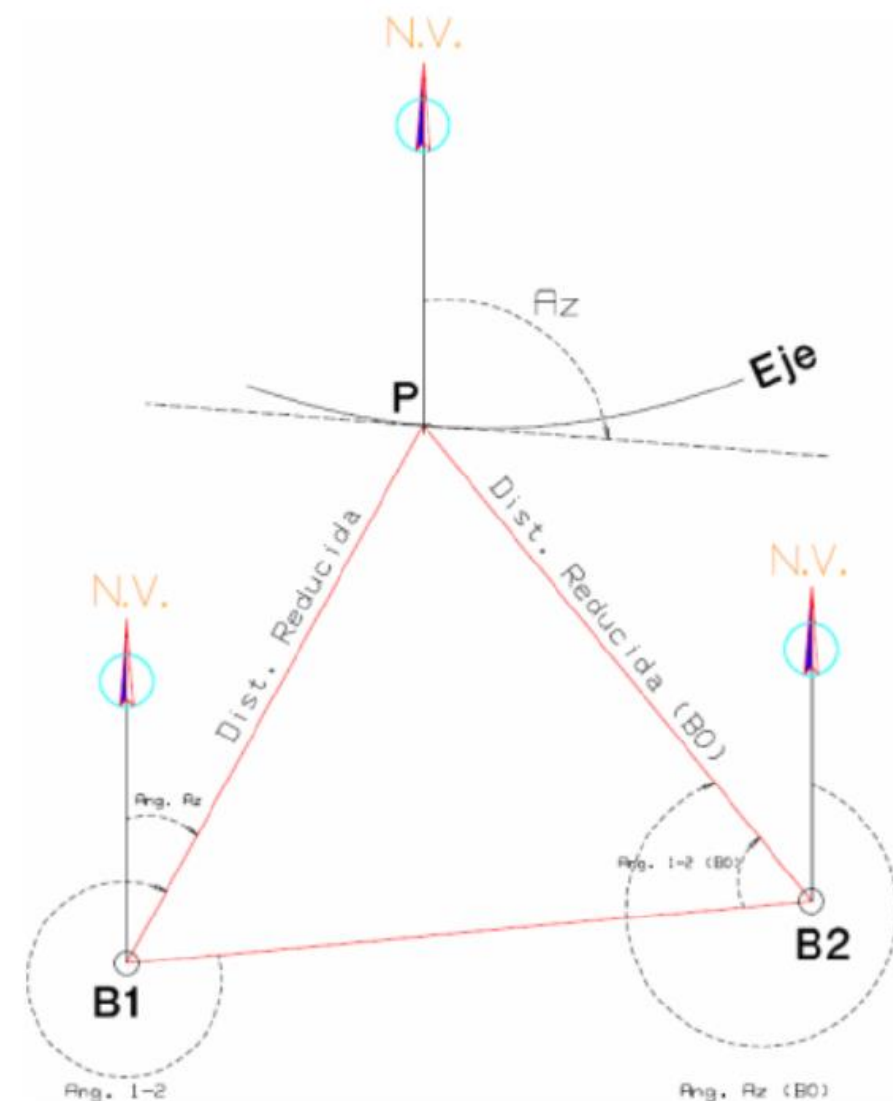
Las bases consideradas han sido las siguientes:

BASE	COORDENADA	COORDENADA	COORDENADA
V-01	517.623,845	4.067.852,288	67.525
V-02	517.350,375	4.067.871,299	78.263
V-03	517.111,353	4.067.934,833	68.058
V-04	517.973,115	4.068.095,350	46.246
V-05	519.001,245	4.068.772,322	54.723
V-06	519.516,711	4.069.539,397	46.512
V-07	519.770,068	4.069.371,849	41.264
V-08	520.069,855	4.069.854,773	44.009
BR01	516.959,934	4.068.012,835	60.380
BR02	517.231,246	4.067.861,726	73.033
BR03	517.491,257	4.067.817,797	73.210
BR04	517.810,822	4.067.897,941	58.347
BR05	517.986,151	4.067.981,859	49.983
BR06	517.943,593	4.068.091,685	46.902
BR07	519.085,316	4.068.962,729	49.646
BR08	519.195,815	4.069.111,002	47.407
BR09	519.315,575	4.069.278,764	48.319
BR10	519.439,277	4.069.401,420	48.023
BR11	519.682,333	4.069.636,285	43.834
BR12	519.851,916	4.069.735,695	44.025
BR13	519.967,294	4.069.799,922	43.320

3. REPLANTEO DE EJES

3.1 DESCRIPCIÓN DEL PROGRAMA

El listado de replanteo de puntos contiene para cada punto el P.K., o número de punto sus coordenadas y los datos para el replanteo por bisección desde las bases. Detalla los nombres de las estaciones 1 y 2, la distancia al punto, y el azimut al mismo. En la siguiente figura, se presentan los datos que figuran en los listados para una mejor comprensión.



3.2 LISTADOS

Se incluyen en Apéndice I. Listados de Replanteo, los replanteos de todos los ejes utilizados para definir las obras.

APÉNDICE I: LISTADOS DE REPLANTEO

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 PROYECTO :
 EJE : 12 : Autovía AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 488.238 Dis= 22.571 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	322.811892	483.128	192.528768	324.758321	652.657	394.475196
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	323.200155	463.329	192.917031	325.103301	632.955	394.820177
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	323.623065	443.549	193.339940	325.470437	613.272	395.187313
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	324.085431	423.790	193.802307	325.861906	593.611	395.578782
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	324.592990	404.056	194.309866	326.280179	573.974	395.997054
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	325.152633	384.351	194.869509	326.728064	554.364	396.444939
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	325.452205	374.584	195.169081	326.962295	544.643	396.679171
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	325.772441	364.678	195.489317	327.208590	534.783	396.925466
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	326.455892	345.035	196.172768	327.720964	515.226	397.437840
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	327.200592	325.415	196.917467	328.259887	495.681	397.976763
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	328.003268	305.807	197.720143	328.819022	476.133	398.535898
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	328.859795	286.199	198.576671	329.390960	456.569	399.107835
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	328.973347	283.682	198.690223	329.464846	454.056	399.181722
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	329.766769	266.582	199.483644	329.968118	436.975	399.684993
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	330.731814	246.956	200.448690	330.548623	417.350	0.265499
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	331.769991	227.325	201.486867	331.132974	397.695	0.849850
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	332.902047	207.694	202.618923	331.721777	378.011	1.438653

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 488.238 Dis= 22.571 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	334.157360	188.069	203.874235	332.315772	358.300	2.032648
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	335.578907	168.460	205.295783	332.915876	338.564	2.632751
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	337.232110	148.880	206.948985	333.523230	318.803	3.240106
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	339.221502	129.348	208.938377	334.139284	299.020	3.856160
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	341.724610	109.897	211.441485	334.765898	279.215	4.482774
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	345.067481	90.587	214.784357	335.405504	259.391	5.122380
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	348.245252	77.187	217.962127	335.863635	245.474	5.580511
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	349.914349	71.541	219.631225	336.061410	239.549	5.778285
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	357.839896	53.060	227.556772	336.743757	219.693	6.460633
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	373.246617	36.066	242.963493	337.477279	199.831	7.194155
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	8.243984	24.026	277.960860	338.298748	179.974	8.015624
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	61.140170	25.444	330.857046	339.263099	160.132	8.979974
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	91.370939	38.907	361.087815	340.456081	140.322	10.172957
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	101.933864	51.455	371.650740	341.546663	125.925	11.263539
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	104.640051	56.381	374.356926	342.019096	120.571	11.735972
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	111.460561	75.136	381.177437	344.203580	100.924	13.920456
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	115.475575	94.426	385.192451	347.499329	81.474	17.216205

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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)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	118.041988	113.992	387.758864	352.974601	62.429	22.691477
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	119.755979	133.722	389.472855	363.348193	44.347	33.065069
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	120.916126	153.558	390.633002	386.496159	29.137	56.213035
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	121.687394	173.468	391.404269	34.346847	23.398	104.063723
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	122.020887	186.097	391.737763	64.071281	27.926	133.788157
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	122.168194	193.428	391.885070	75.966115	32.638	145.682991
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	122.428174	213.418	392.145049	94.290424	49.028	164.007300
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	122.523135	233.423	392.240011	102.675835	67.547	172.392711
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	122.492098	253.430	392.208974	107.092294	86.836	176.809169
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	122.362731	273.430	392.079606	109.635011	106.472	179.351887
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	122.155179	293.417	391.872055	111.163310	126.284	180.880186
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	121.884456	313.383	391.601332	112.085158	146.195	181.802034
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	121.561971	333.323	391.278847	112.616999	166.160	182.333874
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	121.196551	353.233	390.913427	112.883738	186.154	182.600613
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	120.795127	373.109	390.512003	112.962302	206.160	182.679177
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	120.363217	392.948	390.080092	112.902579	226.167	182.619455
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	119.905269	412.744	389.622144	112.738304	246.165	182.455179

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

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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)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	119.424907	432.496	389.141783	112.493089	266.148	182.209965
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	118.925114	452.200	388.641990	112.183951	286.111	181.900827
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	118.408367	471.853	388.125243	111.823457	306.048	181.540332
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	117.876739	491.452	387.593615	111.421087	325.956	181.137962
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	117.331980	510.995	387.048855	110.984127	345.830	180.701003
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	116.775575	530.478	386.492450	110.518269	365.668	180.235145
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	116.208794	549.899	385.925670	110.028021	385.465	179.744896
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	115.632730	569.256	385.349606	109.517000	405.220	179.233876
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	115.048328	588.545	384.765203	108.988146	424.928	178.705022
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	114.456407	607.764	384.173283	108.443866	444.587	178.160741
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	113.857685	626.911	383.574560	107.886154	464.195	177.603030
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	113.252789	645.983	382.969665	107.316676	483.748	177.033552
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	112.642275	664.977	382.359150	106.736833	503.245	176.453708
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	112.026630	683.892	381.743506	106.147811	522.681	175.864687
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	111.406290	702.725	381.123166	105.550625	542.056	175.267501
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	110.781641	721.473	380.498517	104.946143	561.365	174.663019
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	110.153029	740.134	379.869905	104.335115	580.608	174.051991

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 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
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BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 488.238 Dis= 22.571 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	109.520764	758.706	379.237640	103.718193	599.781	173.435069
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	108.885124	777.186	378.601999	103.095944	618.882	172.812820
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	108.246359	795.572	377.963235	102.468865	637.908	172.185741
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	107.604697	813.862	377.321573	101.837393	656.857	171.554269
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	106.960343	832.054	376.677219	101.201915	675.727	170.918791
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	106.313484	850.144	376.030360	100.562772	694.515	170.279648
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	105.664289	868.132	375.381165	99.920270	713.220	169.637145
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	105.012914	886.014	374.729789	99.274679	731.837	168.991554
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	104.359499	903.789	374.076375	98.626243	750.367	168.343119
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	103.704175	921.454	373.421051	97.975181	768.805	167.692056
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	103.047061	939.008	372.763937	97.321688	787.150	167.038564
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	102.388266	956.447	372.105141	96.665944	805.399	166.382820
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	101.727890	973.770	371.444766	96.008109	823.550	165.724984
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	101.066028	990.974	370.782904	95.348328	841.602	165.065204
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	100.402764	1008.059	370.119640	94.686734	859.551	164.403610
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	99.738179	1025.020	369.455054	94.023449	877.396	163.740325
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	99.072345	1041.857	368.789221	93.358583	895.134	163.075459

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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 488.238 Dis= 22.571 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	98.405332	1058.567	368.122207	92.692237	912.763	162.409113
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	97.737202	1075.149	367.454078	92.024504	930.281	161.741380
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	97.068015	1091.600	366.784891	91.355469	947.686	161.072345
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	96.569574	1103.751	366.286449	90.856995	960.559	160.573871
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	96.397838	1107.917	366.114714	90.685224	964.976	160.402100
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	95.727951	1124.116	365.444826	90.015334	982.162	159.732210
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	95.061837	1140.240	364.778712	89.350015	999.283	159.066891
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	94.403020	1156.337	364.119895	88.693486	1016.380	158.410362
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	93.754839	1172.455	363.471714	88.049696	1033.494	157.766572
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	93.120490	1188.640	362.837366	87.422372	1050.666	157.139248
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	93.088984	1189.457	362.805859	87.391298	1051.533	157.108174
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	92.596206	1202.425	362.313082	86.906381	1065.276	156.623256

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	324.758321	652.657	189.898841	326.543438	791.684	391.683958
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	325.103301	632.955	190.243821	326.871710	772.086	392.012230
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	325.470437	613.272	190.610957	327.217071	752.510	392.357592
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	325.861906	593.611	191.002427	327.580870	732.958	392.721390
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	326.280179	573.974	191.420699	327.964597	713.430	393.105117
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	326.728064	554.364	191.868584	328.369905	693.930	393.510425
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	326.962295	544.643	192.102815	328.579611	684.264	393.720131
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	327.208590	534.783	192.349110	328.798489	674.460	393.939009
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	327.720964	515.226	192.861484	329.248896	655.012	394.389416
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	328.259887	495.681	193.400407	329.716103	635.573	394.856623
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	328.819022	476.133	193.959542	330.194321	616.125	395.334841
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	329.390960	456.569	194.531480	330.677010	596.652	395.817530
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	329.464846	454.056	194.605366	330.738902	594.151	395.879422
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	329.968118	436.975	195.108638	331.157605	577.141	396.298125
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	330.548623	417.350	195.689143	331.633930	557.589	396.774450
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	331.132974	397.695	196.273494	332.105509	537.997	397.246029
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	331.721777	378.011	196.862297	332.571791	518.367	397.712311

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	332.315772	358.300	197.456292	333.032140	498.700	398.172660
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	332.915876	338.564	198.056396	333.485813	478.998	398.626333
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	333.523230	318.803	198.663751	333.931938	459.262	399.072458
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	334.139284	299.020	199.279805	334.369484	439.494	399.510004
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	334.765898	279.215	199.906418	334.797222	419.695	399.937742
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	335.405504	259.391	200.546025	335.213679	399.868	0.354200
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	335.863635	245.474	201.004155	335.498144	385.943	0.638664
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	336.061410	239.549	201.201930	335.617114	380.013	0.757634
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	336.743757	219.693	201.884278	336.008838	360.135	1.149359
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	337.477279	199.831	202.617799	336.396687	340.242	1.537208
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	338.298748	179.974	203.439268	336.791099	320.339	1.931619
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	339.263099	160.132	204.403619	337.205285	300.433	2.345806
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	340.456081	140.322	205.596601	337.656207	280.531	2.796727
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	341.546663	125.925	206.687183	338.020234	266.039	3.160754
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	342.019096	120.571	207.159616	338.165984	260.640	3.306504
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	344.203580	100.924	209.344100	338.764637	240.772	3.905158
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	347.499329	81.474	212.639849	339.494137	220.939	4.634657

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	352.974601	62.429	218.115121	340.412829	201.164	5.553349
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	363.348193	44.347	228.488713	341.603765	181.478	6.744285
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	386.496159	29.137	251.636680	343.188742	161.931	8.329262
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	34.346847	23.398	299.487367	345.352467	142.601	10.492987
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	64.071281	27.926	329.211801	347.146517	130.534	12.287037
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	75.966115	32.638	341.106636	348.385246	123.619	13.525766
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	94.290424	49.028	359.430944	352.747103	105.200	17.887623
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	102.675835	67.547	367.816355	359.189999	87.711	24.330519
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	107.092294	86.836	372.232814	368.975819	71.846	34.116339
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	109.635011	106.472	374.775531	383.969047	58.942	49.109567
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	111.163310	126.284	376.303830	5.476726	51.295	70.617246
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	112.085158	146.195	377.225678	30.463663	51.313	95.604183
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	112.616999	166.160	377.757519	51.943666	58.991	117.084186
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	112.883738	186.154	378.024258	66.908702	71.913	132.049222
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	112.962302	206.160	378.102822	76.675432	87.787	141.815952
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	112.902579	226.167	378.043099	83.106463	105.282	148.246983
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	112.738304	246.165	377.878824	87.460856	123.705	152.601376

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	112.493089	266.148	377.633609	90.487608	142.689	155.628128
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	112.183951	286.111	377.324471	92.631453	162.030	157.771973
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	111.823457	306.048	376.963977	94.164933	181.607	159.305453
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	111.421087	325.956	376.561607	95.261612	201.341	160.402132
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	110.984127	345.830	376.124647	96.036197	221.183	161.176717
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	110.518269	365.668	375.658789	96.567087	241.098	161.707607
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	110.028021	385.465	375.168541	96.909474	261.060	162.049994
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	109.517000	405.220	374.657521	97.103236	281.050	162.243756
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	108.988146	424.928	374.128666	97.177849	301.055	162.318369
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	108.443866	444.587	373.584386	97.155542	321.062	162.296062
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	107.886154	464.195	373.026674	97.053378	341.063	162.193898
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	107.316676	483.748	372.457196	96.884663	361.049	162.025183
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	106.736833	503.245	371.877353	96.659919	381.013	161.800439
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	106.147811	522.681	371.288331	96.387573	400.951	161.528093
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	105.550625	542.056	370.691145	96.074450	420.856	161.214970
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	104.946143	561.365	370.086663	95.726137	440.724	160.866657
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	104.335115	580.608	369.475635	95.347248	460.551	160.487768

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	103.718193	599.781	368.858713	94.941627	480.333	160.082147
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	103.095944	618.882	368.236464	94.512503	500.066	159.653023
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	102.468865	637.908	367.609385	94.062606	519.746	159.203126
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	101.837393	656.857	366.977913	93.594260	539.371	158.734780
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	101.201915	675.727	366.342435	93.109457	558.937	158.249977
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	100.562772	694.515	365.703292	92.609912	578.441	157.750432
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	99.920270	713.220	365.060790	92.097112	597.879	157.237632
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	99.274679	731.837	364.415199	91.572349	617.250	156.712869
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	98.626243	750.367	363.766763	91.036754	636.550	156.177274
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	97.975181	768.805	363.115701	90.491321	655.777	155.631841
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	97.321688	787.150	362.462209	89.936925	674.927	155.077446
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	96.665944	805.399	361.806464	89.374342	693.998	154.514862
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	96.008109	823.550	361.148629	88.804260	712.988	153.944780
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	95.348328	841.602	360.488848	88.227292	731.895	153.367812
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	94.686734	859.551	359.827254	87.643988	750.714	152.784508
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	94.023449	877.396	359.163969	87.054840	769.445	152.195360
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	93.358583	895.134	358.499103	86.460290	788.084	151.600810

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 657.371 Dis= 23.238 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	92.692237	912.763	357.832757	85.860738	806.629	151.001258
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	92.024504	930.281	357.165024	85.256545	825.077	150.397065
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	91.355469	947.686	356.495989	84.648039	843.427	149.788559
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	90.856995	960.559	355.997515	84.192768	857.012	149.333288
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	90.685224	964.976	355.825744	84.035532	861.676	149.176052
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	90.015334	982.162	355.155854	83.421056	879.833	148.561576
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	89.350015	999.283	354.490535	82.809719	897.929	147.950239
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	88.693486	1016.380	353.834006	82.206559	915.998	147.347079
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	88.049696	1033.494	353.190216	81.616226	934.074	146.756746
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	87.422372	1050.666	352.562893	81.043042	952.191	146.183562
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	87.391298	1051.533	352.531818	81.014720	953.104	146.155240
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	86.906381	1065.276	352.046901	80.573736	967.583	145.714256

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	326.543438	791.684	231.648235	322.501102	898.583	27.605899
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	326.871710	772.086	231.976507	322.698805	878.766	27.803602
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	327.217071	752.510	232.321868	322.905628	858.958	28.010425
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	327.580870	732.958	232.685667	323.122213	839.160	28.227010
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	327.964597	713.430	233.069394	323.349262	819.372	28.454059
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	328.369905	693.930	233.474702	323.587545	799.595	28.692342
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	328.579611	684.264	233.684408	323.710223	789.785	28.815020
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	328.798489	674.460	233.903286	323.837785	779.829	28.942582
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	329.248896	655.012	234.353693	324.097852	760.070	29.202649
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	329.716103	635.573	234.820900	324.362415	740.306	29.467212
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	330.194321	616.125	235.299118	324.625432	720.527	29.730229
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	330.677010	596.652	235.781807	324.880165	700.723	29.984962
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	330.738902	594.151	235.843699	324.911875	698.179	30.016672
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	331.157605	577.141	236.262402	325.119820	680.885	30.224618
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	331.633930	557.589	236.738727	325.341342	661.014	30.446139
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	332.105509	537.997	237.210306	325.543008	641.112	30.647805
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	332.571791	518.367	237.676588	325.722879	621.184	30.827676

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	333.032140	498.700	238.136937	325.878759	601.233	30.983556
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	333.485813	478.998	238.590610	326.008148	581.261	31.112945
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	333.931938	459.262	239.036735	326.108191	561.274	31.212988
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	334.369484	439.494	239.474281	326.175615	541.274	31.280412
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	334.797222	419.695	239.902019	326.206649	521.268	31.311446
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	335.213679	399.868	240.318477	326.196929	501.261	31.301726
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	335.498144	385.943	240.602941	326.163091	487.228	31.267888
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	335.617114	380.013	240.721911	326.141407	481.258	31.246204
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	336.008838	360.135	241.113636	326.036883	461.265	31.141680
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	336.396687	340.242	241.501484	325.884404	441.286	30.989201
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	336.791099	320.339	241.895896	325.685708	421.324	30.790505
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	337.205285	300.433	242.310082	325.442876	401.377	30.547673
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	337.656207	280.531	242.761004	325.158419	381.446	30.263216
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	338.020234	266.039	243.125031	324.926711	366.934	30.031508
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	338.165984	260.640	243.270781	324.835395	361.527	29.940192
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	338.764637	240.772	243.869435	324.478022	341.617	29.582819
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	339.494137	220.939	244.598934	324.092444	321.710	29.197241

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	340.412829	201.164	245.517626	323.686512	301.801	28.791309
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	341.603765	181.478	246.708562	323.270296	281.884	28.375093
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	343.188742	161.931	248.293539	322.856931	261.954	27.961728
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	345.352467	142.601	250.457264	322.463904	242.007	27.568701
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	347.146517	130.534	252.251314	322.236094	229.371	27.340891
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	348.385246	123.619	253.490043	322.114874	222.040	27.219671
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	352.747103	105.200	257.851900	321.834998	202.054	26.939795
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	359.189999	87.711	264.294796	321.648069	182.055	26.752866
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	368.975819	71.846	274.080616	321.588567	162.048	26.693364
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	383.969047	58.942	289.073844	321.710359	142.042	26.815156
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	5.476726	51.295	310.581523	322.102481	122.051	27.207278
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	30.463663	51.313	335.568460	322.923183	102.095	28.027980
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	51.943666	58.991	357.048463	324.482485	82.214	29.587282
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	66.908702	71.913	372.013499	327.476789	62.493	32.581586
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	76.675432	87.787	381.780229	333.826074	43.167	38.930871
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	83.106463	105.282	388.211260	350.813479	25.185	55.918276
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	87.460856	123.705	392.565653	9.231447	14.787	114.336244

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	90.487608	142.689	395.592405	68.870896	24.833	173.975693
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	92.631453	162.030	397.736250	86.292300	42.757	191.397097
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	94.164933	181.607	399.269730	92.758173	62.069	197.862970
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	95.261612	201.341	0.366409	95.797260	81.786	200.902057
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	96.036197	221.183	1.140994	97.378065	101.665	202.482862
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	96.567087	241.098	1.671884	98.210663	121.619	203.315460
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	96.909474	261.060	2.014271	98.610031	141.610	203.714828
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	97.103236	281.050	2.208033	98.736558	161.615	203.841355
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	97.177849	301.055	2.282646	98.680315	181.622	203.785112
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	97.155542	321.062	2.260339	98.495725	201.622	203.600522
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	97.053378	341.063	2.158175	98.217583	221.608	203.322380
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	96.884663	361.049	1.989460	97.869164	241.575	202.973962
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	96.659919	381.013	1.764716	97.466622	261.520	202.571419
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	96.387573	400.951	1.492370	97.021515	281.437	202.126312
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	96.074450	420.856	1.179247	96.542333	301.324	201.647130
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	95.726137	440.724	0.830934	96.035450	321.178	201.140247
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	95.347248	460.551	0.452045	95.505744	340.995	200.610541

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	94.941627	480.333	0.046424	94.957012	360.773	200.061809
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	94.512503	500.066	399.617300	94.392255	380.508	199.497052
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	94.062606	519.746	399.167403	93.813872	400.199	198.918669
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	93.594260	539.371	398.699057	93.223808	419.843	198.328606
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	93.109457	558.937	398.214254	92.623656	439.436	197.728453
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	92.609912	578.441	397.714709	92.014729	458.977	197.119526
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	92.097112	597.879	397.201909	91.398124	478.463	196.502921
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	91.572349	617.250	396.677146	90.774762	497.891	195.879559
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	91.036754	636.550	396.141551	90.145422	517.260	195.250219
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	90.491321	655.777	395.596118	89.510769	536.566	194.615566
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	89.936925	674.927	395.041723	88.871371	555.807	193.976169
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	89.374342	693.998	394.479139	88.227721	574.981	193.332518
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	88.804260	712.988	393.909057	87.580243	594.085	192.685040
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	88.227292	731.895	393.332089	86.929307	613.117	192.034104
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	87.643988	750.714	392.748785	86.275239	632.074	191.380036
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	87.054840	769.445	392.159637	85.618323	650.955	190.723120
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	86.460290	788.084	391.565087	84.958811	669.757	190.063608

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 PROYECTO :
 EJE : 12 : Autovía AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 789.955 Dis= 50.244 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	85.860738	806.629	390.965535	84.296925	688.478	189.401722
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	85.256545	825.077	390.361342	83.632864	707.115	188.737661
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	84.648039	843.427	389.752836	82.966805	725.665	188.071602
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	84.192768	857.012	389.297565	82.470141	739.408	187.574938
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	84.035532	861.676	389.140329	82.298924	744.128	187.403721
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	83.421056	879.833	388.525853	81.631419	762.511	186.736216
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	82.809719	897.929	387.914516	80.970063	780.843	186.074860
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	82.206559	915.998	387.311356	80.320498	799.155	185.425295
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	81.616226	934.074	386.721023	79.687870	817.480	184.792667
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	81.043042	952.191	386.147839	79.076903	835.848	184.181700
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	81.014720	953.104	386.119517	79.046805	836.774	184.151602
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	80.573736	967.583	385.678533	78.579317	851.452	183.684115

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 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	322.501102	898.583	199.395540	322.587944	1049.336	399.482382
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	322.698805	878.766	199.593243	322.758368	1029.522	399.652806
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	322.905628	858.958	199.800066	322.935480	1009.717	399.829918
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	323.122213	839.160	200.016651	323.119677	989.919	0.014115
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	323.349262	819.372	200.243700	323.311391	970.130	0.205829
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	323.587545	799.595	200.481983	323.511087	950.350	0.405525
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	323.710223	789.785	200.604661	323.613303	940.538	0.507741
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	323.837785	779.829	200.732223	323.719164	930.579	0.613602
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	324.097852	760.070	200.992290	323.933613	910.813	0.828051
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	324.362415	740.306	201.256853	324.149777	891.041	1.044215
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	324.625432	720.527	201.519870	324.362462	871.250	1.256900
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	324.880165	700.723	201.774603	324.565984	851.433	1.460422
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	324.911875	698.179	201.806313	324.591123	848.888	1.485561
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	325.119820	680.885	202.014258	324.754711	831.582	1.649149
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	325.341342	661.014	202.235780	324.926166	811.697	1.820604
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	325.543008	641.112	202.437446	325.079016	791.782	1.973454
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	325.722879	621.184	202.617317	325.211794	771.841	2.106232

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	325.878759	601.233	202.773197	325.322874	751.877	2.217312
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	326.008148	581.261	202.902586	325.410460	731.895	2.304898
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	326.108191	561.274	203.002629	325.472550	711.900	2.366988
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	326.175615	541.274	203.070053	325.506921	691.896	2.401359
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	326.206649	521.268	203.101087	325.511087	671.888	2.405525
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	326.196929	501.261	203.091367	325.482265	651.883	2.376703
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	326.163091	487.228	203.057529	325.440696	637.854	2.335134
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	326.141407	481.258	203.035845	325.417357	631.886	2.311795
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	326.036883	461.265	202.931321	325.314913	611.903	2.209351
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	325.884404	441.286	202.778842	325.176880	591.938	2.071318
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	325.685708	421.324	202.580146	325.005836	571.991	1.900274
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	325.442876	401.377	202.337314	324.804728	552.062	1.699166
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	325.158419	381.446	202.052857	324.576933	532.149	1.471371
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	324.926711	366.934	201.821149	324.396391	517.649	1.290829
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	324.835395	361.527	201.729833	324.326347	512.247	1.220785
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	324.478022	341.617	201.372460	324.057802	492.351	0.952240
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	324.092444	321.710	200.986882	323.777545	472.456	0.671983

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	323.686512	301.801	200.580950	323.492984	452.555	0.387422
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	323.270296	281.884	200.164734	323.212893	432.642	0.107331
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	322.856931	261.954	199.751369	322.947753	412.712	399.842191
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	322.463904	242.007	199.358342	322.710196	392.761	399.604634
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	322.236094	229.371	199.130532	322.580922	380.121	399.475360
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	322.114874	222.040	199.009312	322.515503	372.788	399.409942
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	321.834998	202.054	198.729436	322.377913	352.796	399.272351
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	321.648069	182.055	198.542507	322.308286	332.792	399.202724
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	321.588567	162.048	198.483005	322.319690	312.784	399.214128
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	321.710359	142.042	198.604797	322.428729	292.783	399.323167
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	322.102481	122.051	198.996919	322.656799	272.802	399.551237
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	322.923183	102.095	199.817621	323.031922	252.854	399.926360
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	324.482485	82.214	201.376923	323.591459	232.960	0.485897
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	327.476789	62.493	204.371227	324.386242	213.147	1.280680
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	333.826074	43.167	210.720512	325.487018	193.450	2.381456
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	350.813479	25.185	227.707917	326.994793	173.920	3.889231
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	9.231447	14.787	286.125885	329.057896	154.631	5.952334

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	68.870896	24.833	345.765334	331.900859	135.698	8.795297
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	86.292300	42.757	363.186738	335.873961	117.305	12.768399
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	92.758173	62.069	369.652611	341.536452	99.761	18.430890
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	95.797260	81.786	372.691698	349.778228	83.615	26.672666
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	97.378065	101.665	374.272503	361.894161	69.853	38.788599
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	98.210663	121.619	375.105101	379.128769	60.144	56.023207
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	98.610031	141.610	375.504469	0.717560	56.618	77.611998
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	98.736558	161.615	375.630996	22.219404	60.370	99.113842
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	98.680315	181.622	375.574753	39.283627	70.242	116.178065
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	98.495725	201.622	375.390163	51.252983	84.102	128.147421
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	98.217583	221.608	375.112021	59.394183	100.304	136.288621
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	97.869164	241.575	374.763602	64.990958	117.882	141.885396
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	97.466622	261.520	374.361060	68.920639	136.297	145.815077
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	97.021515	281.437	373.915953	71.734071	155.244	148.628509
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	96.542333	301.324	373.436771	73.776438	174.542	150.670876
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	96.035450	321.178	372.929888	75.269207	194.078	152.163645
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	95.505744	340.995	372.400182	76.358825	213.780	153.253263

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	94.957012	360.773	371.851450	77.145114	233.596	154.039552
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	94.392255	380.508	371.286693	77.698049	253.491	154.592487
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	93.813872	400.199	370.708310	78.067947	273.440	154.962385
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	93.223808	419.843	370.118246	78.291817	293.423	155.186255
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	92.623656	439.436	369.518094	78.397430	313.424	155.291868
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	92.014729	458.977	368.909167	78.406006	333.432	155.300444
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	91.398124	478.463	368.292562	78.334018	353.436	155.228456
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	90.774762	497.891	367.669200	78.194438	373.427	155.088876
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	90.145422	517.260	367.039860	77.997614	393.400	154.892052
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	89.510769	536.566	366.405207	77.751900	413.347	154.646338
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	88.871371	555.807	365.765810	77.464107	433.262	154.358545
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	88.227721	574.981	365.122159	77.139843	453.142	154.034281
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	87.580243	594.085	364.474681	76.783770	472.981	153.678208
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	86.929307	613.117	363.823745	76.399789	492.776	153.294227
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	86.275239	632.074	363.169677	75.991191	512.522	152.885629
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	85.618323	650.955	362.512761	75.560772	532.215	152.455210
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	84.958811	669.757	361.853249	75.110922	551.853	152.005360

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 900.216 Dis= 14.779 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	84.296925	688.478	361.191363	74.643695	571.431	151.538133
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	83.632864	707.115	360.527302	74.160866	590.947	151.055304
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	82.966805	725.665	359.861243	73.663978	610.398	150.558416
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	82.470141	739.408	359.364579	73.286043	624.822	150.180481
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	82.298924	744.128	359.193362	73.154399	629.780	150.048837
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	81.631419	762.511	358.525857	72.635848	649.098	149.530286
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	80.970063	780.843	357.864501	72.116250	668.370	149.010688
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	80.320498	799.155	357.214936	71.603118	687.617	148.497556
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	79.687870	817.480	356.582308	71.103133	706.861	147.997571
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	79.076903	835.848	355.971341	70.622283	726.124	147.516721
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	79.046805	836.774	355.941243	70.598686	727.094	147.493124
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	78.579317	851.452	355.473756	70.233554	742.460	147.127992

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 PROYECTO :
 EJE : 12 : Autovía AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	322.587944	1049.336	238.789666	318.296184	1164.372	34.497906
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	322.758368	1029.522	238.960091	318.374888	1144.415	34.576611
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	322.935480	1009.717	239.137202	318.456387	1124.460	34.658109
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	323.119677	989.919	239.321400	318.540830	1104.507	34.742552
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	323.311391	970.130	239.513113	318.628379	1084.555	34.830102
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	323.511087	950.350	239.712809	318.719211	1064.606	34.920933
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	323.613303	940.538	239.815026	318.765561	1054.707	34.967284
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	323.719164	930.579	239.920887	318.813416	1044.659	35.015138
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	323.933613	910.813	240.135336	318.908902	1024.712	35.110625
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	324.149777	891.041	240.351499	319.001199	1004.758	35.202922
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	324.362462	871.250	240.564185	319.085370	984.793	35.287093
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	324.565984	851.433	240.767707	319.156067	964.815	35.357790
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	324.591123	848.888	240.792846	319.163870	962.250	35.365593
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	324.754711	831.582	240.956434	319.208023	944.822	35.409746
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	324.926166	811.697	241.127889	319.238806	924.820	35.440529
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	325.079016	791.782	241.280739	319.247002	904.813	35.448725
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	325.211794	771.841	241.413516	319.231076	884.806	35.432799

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 PROYECTO :
 EJE : 12 : Autovía AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	325.322874	751.877	241.524597	319.189360	864.807	35.391083
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	325.410460	731.895	241.612182	319.120036	844.821	35.321758
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	325.472550	711.900	241.674273	319.021122	824.855	35.222845
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	325.506921	691.896	241.708644	318.890455	804.917	35.092178
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	325.511087	671.888	241.712809	318.725671	785.016	34.927394
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	325.482265	651.883	241.683987	318.524182	765.159	34.725905
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	325.440696	637.854	241.642419	318.359422	751.262	34.561145
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	325.417357	631.886	241.619080	318.283175	745.357	34.484898
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	325.314913	611.903	241.516636	318.001262	725.616	34.202985
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	325.176880	591.938	241.378603	317.679877	705.937	33.881600
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	325.005836	571.991	241.207559	317.320904	686.318	33.522627
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	324.804728	552.062	241.006451	316.926426	666.754	33.128148
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	324.576933	532.149	240.778656	316.498750	647.239	32.700472
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	324.396391	517.649	240.598113	316.167751	633.048	32.369473
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	324.326347	512.247	240.528069	316.040447	627.764	32.242170
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	324.057802	492.351	240.259525	315.554642	608.320	31.756364
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	323.777545	472.456	239.979268	315.045316	588.893	31.247039

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 PROYECTO :
 EJE : 12 : Autovía AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	323.492984	452.555	239.694707	314.517025	569.471	30.718747
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	323.212893	432.642	239.414615	313.974949	550.039	30.176671
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	322.947753	412.712	239.149475	313.425023	530.583	29.626746
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	322.710196	392.761	238.911919	312.874099	511.090	29.075822
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	322.580922	380.121	238.782645	312.528425	498.726	28.730147
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	322.515503	372.788	238.717226	312.330074	491.546	28.531797
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	322.377913	352.796	238.579636	311.798883	471.946	28.000606
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	322.308286	332.792	238.510008	311.282608	452.293	27.484331
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	322.319690	312.784	238.521412	310.783328	432.588	26.985050
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	322.428729	292.783	238.630451	310.303523	412.836	26.505246
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	322.656799	272.802	238.858522	309.846184	393.039	26.047906
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	323.031922	252.854	239.233645	309.414941	373.200	25.616664
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	323.591459	232.960	239.793182	309.014252	353.324	25.215975
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	324.386242	213.147	240.587965	308.649646	333.413	24.851369
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	325.487018	193.450	241.688741	308.328068	313.472	24.529790
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	326.994793	173.920	243.196516	308.058359	293.506	24.260082
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	329.057896	154.631	245.259619	307.851950	273.520	24.053673

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	331.900859	135.698	248.102582	307.723879	253.519	23.925601
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	335.873961	117.305	252.075684	307.694323	233.512	23.896046
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	341.536452	99.761	257.738175	307.790991	213.507	23.992713
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	349.778228	83.615	265.979950	308.052951	193.517	24.254674
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	361.894161	69.853	278.095884	308.537059	173.558	24.738782
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	379.128769	60.144	295.330492	309.329209	153.654	25.530932
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	0.717560	56.618	316.919282	310.565178	133.841	26.766901
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	22.219404	60.370	338.421127	312.471848	114.179	28.673571
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	39.283627	70.242	355.485350	315.455291	94.775	31.657013
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	51.252983	84.102	367.454705	320.306430	75.838	36.508153
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	59.394183	100.304	375.595906	328.723014	57.846	44.924736
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	64.990958	117.882	381.192680	344.601703	42.041	60.803425
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	68.920639	136.297	385.122362	374.855254	31.877	91.056977
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	71.734071	155.244	387.935794	14.671790	33.055	130.873513
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	73.776438	174.542	389.978161	41.843299	44.686	158.045022
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	75.269207	194.078	391.470929	55.884018	61.060	172.085740
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	76.358825	213.780	392.560548	63.439680	79.286	179.641403

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 PROYECTO :
 EJE : 12 : Autovía AL

pagina 15

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	77.145114	233.596	393.346836	67.856027	98.334	184.057750
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	77.698049	253.491	393.899771	70.596677	117.797	186.798400
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	78.067947	273.440	394.269670	72.355930	137.493	188.557652
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	78.291817	293.423	394.493540	73.496309	157.327	189.698031
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	78.397430	313.424	394.599153	74.223186	177.243	190.424908
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	78.406006	333.432	394.607729	74.660844	197.209	190.862567
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	78.334018	353.436	394.535741	74.888622	217.203	191.090345
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	78.194438	373.427	394.396160	74.959428	237.209	191.161151
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	77.997614	393.400	394.199337	74.909847	257.216	191.111569
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	77.751900	413.347	393.953623	74.765958	277.214	190.967681
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	77.464107	433.262	393.665829	74.546844	297.197	190.748567
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	77.139843	453.142	393.341566	74.266778	317.159	190.468501
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	76.783770	472.981	392.985493	73.936648	337.095	190.138370
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	76.399789	492.776	392.601512	73.564898	356.999	189.766621
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	75.991191	512.522	392.192914	73.158183	376.869	189.359906
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	75.560772	532.215	391.762495	72.721810	396.700	188.923532
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	75.110922	551.853	391.312645	72.260067	416.489	188.461789

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 1039.680 Dis= 56.595 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	74.643695	571.431	390.845417	71.776455	436.233	187.978178
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	74.160866	590.947	390.362588	71.273860	455.928	187.475583
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	73.663978	610.398	389.865700	70.754683	475.572	186.956406
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	73.286043	624.822	389.487766	70.358933	490.150	186.560656
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	73.154399	629.780	389.356122	70.220966	495.162	186.422689
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	72.635848	649.098	388.837571	69.677643	514.700	185.879366
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	72.116250	668.370	388.317973	69.134806	534.202	185.336529
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	71.603118	687.617	387.804840	68.601732	553.684	184.803455
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	71.103133	706.861	387.304856	68.086429	573.166	184.288151
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	70.622283	726.124	386.824005	67.595863	592.663	183.797586
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	70.598686	727.094	386.800409	67.571939	593.645	183.773662
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	70.233554	742.460	386.435277	67.203690	609.194	183.405413

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	318.296184	1164.372	233.541839	313.672800	1334.323	28.918455
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	318.374888	1144.415	233.620544	313.671005	1314.315	28.916661
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	318.456387	1124.460	233.702042	313.669155	1294.307	28.914811
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	318.540830	1104.507	233.786485	313.667248	1274.299	28.912903
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	318.628379	1084.555	233.874035	313.665279	1254.291	28.910934
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	318.719211	1064.606	233.964866	313.663246	1234.283	28.908902
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	318.765561	1054.707	234.011217	313.662213	1224.354	28.907868
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	318.813416	1044.659	234.059071	313.661065	1214.275	28.906720
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	318.908902	1024.712	234.154558	313.656757	1194.268	28.902412
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	319.001199	1004.758	234.246854	313.646311	1174.261	28.891966
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	319.085370	984.793	234.331026	313.625355	1154.256	28.871011
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	319.156067	964.815	234.401722	313.589213	1134.259	28.834869
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	319.163870	962.250	234.409526	313.583223	1131.694	28.828879
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	319.208023	944.822	234.453678	313.533344	1114.276	28.779000
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	319.238806	924.820	234.484462	313.455667	1094.314	28.701323
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	319.247002	904.813	234.492657	313.354995	1074.380	28.600650
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	319.231076	884.806	234.476732	313.230060	1054.481	28.475716

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	319.189360	864.807	234.435016	313.079516	1034.627	28.325171
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	319.120036	844.821	234.365691	312.901924	1014.824	28.147580
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	319.021122	824.855	234.266777	312.695752	995.083	27.941408
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	318.890455	804.917	234.136111	312.459366	975.413	27.705021
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	318.725671	785.016	233.971326	312.191024	955.823	27.436679
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	318.524182	765.159	233.769838	311.888870	936.326	27.134526
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	318.359422	751.262	233.605078	311.655676	922.710	26.901332
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	318.283175	745.357	233.528831	311.550945	916.932	26.796600
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	318.001262	725.616	233.246917	311.176500	897.649	26.422155
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	317.679877	705.937	232.925533	310.767058	878.474	26.012713
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	317.320904	686.318	232.566560	310.324478	859.399	25.570134
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	316.926426	666.754	232.172081	309.850753	840.417	25.096409
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	316.498750	647.239	231.744405	309.348019	821.516	24.593674
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	316.167751	633.048	231.413406	308.964826	807.790	24.210482
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	316.040447	627.764	231.286103	308.818574	802.682	24.064229
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	315.554642	608.320	230.800297	308.265086	783.900	23.510742
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	315.045316	588.893	230.290972	307.690802	765.152	22.936457

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	314.517025	569.471	229.762680	307.099294	746.417	22.344949
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	313.974949	550.039	229.220604	306.494480	727.674	21.740136
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	313.425023	530.583	228.670679	305.880680	708.903	21.126335
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	312.874099	511.090	228.119754	305.262687	690.082	20.508342
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	312.528425	498.726	227.774080	304.871753	678.135	20.117408
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	312.330074	491.546	227.575730	304.645808	671.193	19.891463
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	311.798883	471.946	227.044539	304.033682	652.224	19.279338
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	311.282608	452.293	226.528264	303.427016	633.177	18.672672
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	310.783328	432.588	226.028983	302.826342	614.054	18.071997
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	310.303523	412.836	225.549179	302.232263	594.857	17.477919
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	309.846184	393.039	225.091839	301.645467	575.591	16.891122
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	309.414941	373.200	224.660596	301.066739	556.256	16.312394
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	309.014252	353.324	224.259907	300.496981	536.855	15.742637
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	308.649646	333.413	223.895301	299.937237	517.392	15.182892
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	308.328068	313.472	223.573723	299.388715	497.868	14.634371
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	308.058359	293.506	223.304014	298.852829	478.286	14.098484
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	307.851950	273.520	223.097606	298.331236	458.650	13.576892

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	307.723879	253.519	222.969534	297.825901	438.962	13.071556
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	307.694323	233.512	222.939979	297.339159	419.226	12.584815
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	307.790991	213.507	223.036646	296.873820	399.443	12.119475
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	308.052951	193.517	223.298607	296.433283	379.618	11.678939
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	308.537059	173.558	223.782715	296.021709	359.753	11.267365
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	309.329209	153.654	224.574864	295.644240	339.853	10.889896
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	310.565178	133.841	225.810833	295.307309	319.922	10.552964
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	312.471848	114.179	227.717504	295.019066	299.964	10.264722
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	315.455291	94.775	230.700946	294.789996	279.984	10.035652
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	320.306430	75.838	235.552085	294.633811	259.987	9.879466
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	328.723014	57.846	243.968669	294.568787	239.981	9.814442
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	344.601703	42.041	259.847358	294.619824	219.974	9.865479
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	374.855254	31.877	290.100910	294.821718	199.978	10.067373
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	14.671790	33.055	329.917446	295.224562	180.007	10.470217
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	41.843299	44.686	357.088954	295.903070	160.081	11.148725
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	55.884018	61.060	371.129673	296.973517	140.233	12.219173
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	63.439680	79.286	378.685335	298.626513	120.512	13.872168

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	67.856027	98.334	383.101683	301.195203	101.006	16.440858
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	70.596677	117.797	385.842332	305.309961	81.881	20.555616
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	72.355930	137.493	387.601585	312.282070	63.496	27.527725
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	73.496309	157.327	388.741964	325.091380	46.747	40.337036
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	74.223186	177.243	389.468841	350.013436	34.146	65.259092
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	74.660844	197.209	389.906500	389.224149	31.213	104.469804
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	74.888622	217.203	390.134278	21.796741	40.129	137.042396
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	74.959428	237.209	390.205083	39.230301	55.442	154.475956
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	74.909847	257.216	390.155502	48.369806	73.240	163.615462
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	74.765958	277.214	390.011614	53.577547	92.087	168.823202
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	74.546844	297.197	389.792500	56.755820	111.444	172.001475
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	74.266778	317.159	389.512434	58.778625	131.080	174.024281
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	73.936648	337.095	389.182303	60.088730	150.877	175.334385
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	73.564898	356.999	388.810554	60.930818	170.772	176.176474
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	73.158183	376.869	388.403838	61.450037	190.725	176.695692
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	72.721810	396.700	387.967465	61.737552	210.712	176.983207
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	72.260067	416.489	387.505722	61.853358	230.715	177.099014

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 1168.152 Dis= 30.767 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	71.776455	436.233	387.022110	61.838482	250.723	177.084138
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	71.273860	455.928	386.519516	61.721900	270.725	176.967555
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	70.754683	475.572	386.000339	61.524639	290.713	176.770295
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	70.358933	490.150	385.604589	61.334999	305.570	176.580655
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	70.220966	495.162	385.466621	61.262374	310.682	176.508029
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	69.677643	514.700	384.923299	60.952085	330.629	176.197740
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	69.134806	534.202	384.380462	60.616049	350.556	175.861704
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	68.601732	553.684	383.847388	60.272687	370.469	175.518343
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	68.086429	573.166	383.332084	59.936639	390.376	175.182295
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	67.595863	592.663	382.841519	59.619698	410.284	174.865353
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	67.571939	593.645	382.817595	59.604432	411.287	174.850088
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	67.203690	609.194	382.449346	59.372432	427.147	174.618088

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	313.672800	1334.323	242.091966	308.574498	1492.583	36.993665
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	313.671005	1314.315	242.090172	308.503708	1472.643	36.922875
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	313.669155	1294.307	242.088322	308.430975	1452.705	36.850142
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	313.667248	1274.299	242.086414	308.356218	1432.769	36.775385
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	313.665279	1254.291	242.084445	308.279351	1412.835	36.698518
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	313.663246	1234.283	242.082413	308.200285	1392.903	36.619451
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	313.662213	1224.354	242.081379	308.160202	1383.013	36.579368
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	313.661065	1214.275	242.080231	308.118850	1372.973	36.538016
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	313.656757	1194.268	242.075923	308.033212	1353.050	36.452378
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	313.646311	1174.261	242.065477	307.939761	1333.139	36.358928
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	313.625355	1154.256	242.044522	307.834608	1313.251	36.253774
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	313.589213	1134.259	242.008380	307.713636	1293.397	36.132802
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	313.583223	1131.694	242.002390	307.696747	1290.853	36.115914
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	313.533344	1114.276	241.952511	307.572901	1273.592	35.992068
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	313.455667	1094.314	241.874834	307.410644	1253.845	35.829810
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	313.354995	1074.380	241.774161	307.225901	1234.166	35.645068
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	313.230060	1054.481	241.649227	307.017667	1214.563	35.436833

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	313.079516	1034.627	241.498683	306.784886	1195.046	35.204052
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	312.901924	1014.824	241.321091	306.526457	1175.626	34.945624
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	312.695752	995.083	241.114919	306.241228	1156.312	34.660395
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	312.459366	975.413	240.878532	305.927997	1137.116	34.347164
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	312.191024	955.823	240.610190	305.585511	1118.050	34.004678
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	311.888870	936.326	240.308037	305.212467	1099.126	33.631634
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	311.655676	922.710	240.074843	304.931817	1085.943	33.350984
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	311.550945	916.932	239.970111	304.807524	1080.358	33.226691
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	311.176500	897.649	239.595666	304.370385	1061.751	32.789552
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	310.767058	878.474	239.186224	303.902621	1043.298	32.321788
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	310.324478	859.399	238.743645	303.406061	1024.988	31.825227
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	309.850753	840.417	238.269920	302.882614	1006.807	31.301781
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	309.348019	821.516	237.767185	302.334281	988.738	30.753448
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	308.964826	807.790	237.383993	301.920354	975.636	30.339521
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	308.818574	802.682	237.237740	301.763160	970.764	30.182327
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	308.265086	783.900	236.684253	301.171605	952.863	29.590772
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	307.690802	765.152	236.109968	300.562382	935.010	28.981548

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	307.099294	746.417	235.518460	299.938455	917.179	28.357622
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	306.494480	727.674	234.913647	299.302998	899.343	27.722164
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	305.880680	708.903	234.299846	298.659421	881.474	27.078588
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	305.262687	690.082	233.681853	298.011420	863.545	26.430587
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	304.871753	678.135	233.290919	297.600782	852.154	26.019948
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	304.645808	671.193	233.064974	297.362987	845.530	25.782154
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	304.033682	652.224	232.452849	296.716753	827.414	25.135919
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	303.427016	633.177	231.846183	296.073070	809.197	24.492236
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	302.826342	614.054	231.245508	295.432129	790.882	23.851296
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	302.232263	594.857	230.651430	294.794142	772.471	23.213309
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	301.645467	575.591	230.064633	294.159341	753.968	22.578507
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	301.066739	556.256	229.485905	293.527983	735.373	21.947150
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	300.496981	536.855	228.916148	292.900355	716.689	21.319522
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	299.937237	517.392	228.356403	292.276775	697.919	20.695941
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	299.388715	497.868	227.807882	291.657598	679.065	20.076765
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	298.852829	478.286	227.271995	291.043223	660.130	19.462390
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	298.331236	458.650	226.750403	290.434098	641.115	18.853264

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	297.825901	438.962	226.245067	289.830727	622.024	18.249894
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	297.339159	419.226	225.758326	289.233682	602.858	17.652849
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	296.873820	399.443	225.292986	288.643614	583.621	17.062780
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	296.433283	379.618	224.852450	288.061262	564.315	16.480429
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	296.021709	359.753	224.440876	287.487479	544.941	15.906645
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	295.644240	339.853	224.063407	286.923242	525.504	15.342409
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	295.307309	319.922	223.726475	286.369688	506.005	14.788855
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	295.019066	299.964	223.438233	285.828138	486.448	14.247304
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	294.789996	279.984	223.209163	285.300139	466.835	13.719305
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	294.633811	259.987	223.052977	284.787517	447.169	13.206684
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	294.568787	239.981	222.987953	284.292442	427.452	12.711608
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	294.619824	219.974	223.038990	283.817507	407.688	12.236674
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	294.821718	199.978	223.240884	283.365845	387.881	11.785012
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	295.224562	180.007	223.643728	282.941272	368.033	11.360439
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	295.903070	160.081	224.322236	282.548482	348.147	10.967649
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	296.973517	140.233	225.392684	282.193319	328.229	10.612485
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	298.626513	120.512	227.045679	281.883144	308.281	10.302311

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	301.195203	101.006	229.614369	281.627368	288.310	10.046535
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	305.309961	81.881	233.729128	281.438210	268.319	9.857377
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	312.282070	63.496	240.701236	281.331822	248.317	9.750988
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	325.091380	46.747	253.510547	281.330002	228.309	9.749169
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	350.013436	34.146	278.432603	281.462878	208.307	9.882044
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	389.224149	31.213	317.643315	281.773261	188.322	10.192427
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	21.796741	40.129	350.215907	282.324024	168.374	10.743190
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	39.230301	55.442	367.649467	283.211203	148.489	11.630370
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	48.369806	73.240	376.788973	284.588664	128.706	13.007830
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	53.577547	92.087	381.996713	286.717824	109.095	15.136991
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	56.755820	111.444	385.174986	290.076349	89.780	18.495516
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	58.778625	131.080	387.197792	295.618269	71.018	24.037436
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	60.088730	150.877	388.507896	305.444285	53.408	33.863451
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	60.930818	170.772	389.349985	324.345819	38.575	52.764985
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	61.450037	190.725	389.869203	358.822760	30.840	87.241926
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	61.737552	210.712	390.156719	397.086005	35.241	125.505171
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	61.853358	230.715	390.272525	20.151077	48.583	148.570243

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 1354.631 Dis= 30.720 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	61.838482	250.723	390.257649	31.999614	65.618	160.418781
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	61.721900	270.725	390.141066	38.513679	84.126	166.932845
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	61.524639	290.713	389.943806	42.388641	103.312	170.807807
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	61.334999	305.570	389.754166	44.295666	117.824	172.714832
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	61.262374	310.682	389.681540	44.819180	122.852	173.238346
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	60.952085	330.629	389.371251	46.398004	142.589	174.817171
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	60.616049	350.556	389.035215	47.461212	162.434	175.880379
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	60.272687	370.469	388.691854	48.204485	182.341	176.623652
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	59.936639	390.376	388.355806	48.747819	202.282	177.166986
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	59.619698	410.284	388.038864	49.168620	222.240	177.587786
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	59.604432	411.287	388.023599	49.187581	223.245	177.606747
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	59.372432	427.147	387.791599	49.466364	239.146	177.885530

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987
 Distancia: 117.830 Azimut: 376.464953
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	308.574498	1492.583	332.109545	304.007936	1439.342	127.542983
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	308.503708	1472.643	332.038755	303.870597	1419.573	127.405644
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	308.430975	1452.705	331.966022	303.729379	1399.811	127.264426
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	308.356218	1432.769	331.891265	303.584118	1380.056	127.119165
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	308.279351	1412.835	331.814398	303.434638	1360.308	126.969685
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	308.200285	1392.903	331.735332	303.280756	1340.568	126.815803
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	308.160202	1383.013	331.695249	303.202697	1330.775	126.737744
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	308.118850	1372.973	331.653897	303.122200	1320.837	126.657247
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	308.033212	1353.050	331.568259	302.956979	1301.120	126.492026
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	307.939761	1333.139	331.474808	302.781272	1281.432	126.316319
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	307.834608	1313.251	331.369655	302.590963	1261.789	126.126010
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	307.713636	1293.397	331.248683	302.381710	1242.209	125.916757
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	307.696747	1290.853	331.231794	302.353255	1239.702	125.888302
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	307.572901	1273.592	331.107948	302.149353	1222.713	125.684400
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	307.410644	1253.845	330.945691	301.891983	1203.316	125.427030
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	307.225901	1234.166	330.760948	301.608506	1184.027	125.143553
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	307.017667	1214.563	330.552714	301.297789	1164.858	124.832836

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987
 Distancia: 117.830 Azimut: 376.464953
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	306.784886	1195.046	330.319933	300.958651	1145.821	124.493698
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	306.526457	1175.626	330.061504	300.589867	1126.927	124.124914
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	306.241228	1156.312	329.776275	300.190167	1108.190	123.725214
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	305.927997	1137.116	329.463044	299.758241	1089.623	123.293288
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	305.585511	1118.050	329.120558	299.292734	1071.241	122.827781
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	305.212467	1099.126	328.747514	298.792256	1053.059	122.327303
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	304.931817	1085.943	328.466864	298.419541	1040.432	121.954588
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	304.807524	1080.358	328.342571	298.255397	1035.092	121.790444
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	304.370385	1061.751	327.905432	297.681802	1017.349	121.216849
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	303.902621	1043.298	327.437668	297.072977	999.820	120.608024
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	303.406061	1024.988	326.941108	296.430658	982.490	119.965705
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	302.882614	1006.807	326.417661	295.756641	965.343	119.291688
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	302.334281	988.738	325.869328	295.052775	948.361	118.587822
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	301.920354	975.636	325.455401	294.522317	936.080	118.057364
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	301.763160	970.764	325.298207	294.320976	931.521	117.856023
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	301.171605	952.863	324.706652	293.563369	914.799	117.098416
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	300.562382	935.010	324.097429	292.782436	898.165	116.317483

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987
 Distancia: 117.830 Azimut: 376.464953
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	299.938455	917.179	323.473502	291.980798	881.589	115.515845
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	299.302998	899.343	322.838045	291.161221	865.038	114.696268
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	298.659421	881.474	322.194468	290.326638	848.480	113.861685
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	298.011420	863.545	321.546467	289.480189	831.881	113.015236
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	297.600782	852.154	321.135829	288.939807	821.338	112.474854
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	297.362987	845.530	320.898034	288.625227	815.208	112.160274
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	296.716753	827.414	320.251800	287.763724	798.442	111.298771
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	296.073070	809.197	319.608117	286.895405	781.583	110.430452
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	295.432129	790.882	318.967176	286.019779	764.635	109.554826
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	294.794142	772.471	318.329189	285.136308	747.600	108.671355
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	294.159341	753.968	317.694388	284.244402	730.479	107.779449
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	293.527983	735.373	317.063030	283.343408	713.276	106.878455
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	292.900355	716.689	316.435402	282.432607	695.994	105.967654
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	292.276775	697.919	315.811822	281.511201	678.634	105.046248
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	291.657598	679.065	315.192645	280.578305	661.200	104.113352
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	291.043223	660.130	314.578270	279.632933	643.694	103.167980
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	290.434098	641.115	313.969145	278.673985	626.120	102.209032

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987
 Distancia: 117.830 Azimut: 376.464953
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	289.830727	622.024	313.365774	277.700228	608.480	101.235275
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	289.233682	602.858	312.768729	276.710277	590.777	100.245324
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	288.643614	583.621	312.178661	275.702570	573.015	99.237617
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	288.061262	564.315	311.596309	274.675339	555.198	98.210386
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	287.487479	544.941	311.022526	273.626578	537.328	97.161625
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	286.923242	525.504	310.458289	272.553996	519.409	96.089043
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	286.369688	506.005	309.904735	271.454972	501.446	94.990019
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	285.828138	486.448	309.363185	270.326489	483.442	93.861536
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	285.300139	466.835	308.835186	269.165058	465.403	92.700105
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	284.787517	447.169	308.322564	267.966626	447.333	91.501673
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	284.292442	427.452	307.827489	266.726456	429.237	90.261503
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	283.817507	407.688	307.352554	265.438979	411.123	88.974026
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	283.365845	387.881	306.900892	264.097606	392.997	87.632653
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	282.941272	368.033	306.476319	262.694493	374.865	86.229540
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	282.548482	348.147	306.083529	261.220223	356.738	84.755270
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	282.193319	328.229	305.728366	259.663415	338.626	83.198462
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	281.883144	308.281	305.418191	258.010186	320.540	81.545233

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987
 Distancia: 117.830 Azimut: 376.464953
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	281.627368	288.310	305.162415	256.243454	302.495	79.778501
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	281.438210	268.319	304.973257	254.341996	284.508	77.877042
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	281.331822	248.317	304.866869	252.279166	266.600	75.814213
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	281.330002	228.309	304.865049	250.021144	248.800	73.556191
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	281.462878	208.307	304.997925	247.524508	231.140	71.059555
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	281.773261	188.322	305.308308	244.732849	213.666	68.267896
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	282.324024	168.374	305.859071	241.572033	196.436	65.107080
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	283.211203	148.489	306.746250	237.943622	179.531	61.478669
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	284.588664	128.706	308.123711	233.715912	163.062	57.250959
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	286.717824	109.095	310.252871	228.712479	147.183	52.247526
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	290.076349	89.780	313.611396	222.699716	132.118	46.234763
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	295.618269	71.018	319.153316	215.379950	118.186	38.914997
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	305.444285	53.408	328.979332	206.409312	105.844	29.944359
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	324.345819	38.575	347.880866	195.482520	95.715	19.017567
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	358.822760	30.840	382.357807	182.538900	88.569	6.073947
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	397.086005	35.241	20.621052	168.055974	85.164	391.591021
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	20.151077	48.583	43.686124	153.145415	85.946	376.680462

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 PROYECTO :
 EJE : 12 : Autovía AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 1542.974 Dis= 30.679 K : 0.999603987
 Distancia: 117.830 Azimut: 376.464953
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	31.999614	65.618	55.534661	139.131395	90.807	362.666442
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	38.513679	84.126	62.048726	126.910929	99.148	350.445976
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	42.388641	103.312	65.923688	116.731959	110.176	340.267006
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	44.295666	117.824	67.830713	110.383147	119.688	333.918194
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	44.819180	122.852	68.354227	108.411064	123.169	331.946111
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	46.398004	142.589	69.933051	101.621464	137.582	325.156511
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	47.461212	162.434	70.996259	96.055720	153.056	319.590767
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	48.204485	182.341	71.739532	91.459621	169.344	314.994668
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	48.747819	202.282	72.282866	87.635506	186.271	311.170553
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	49.168620	222.240	72.703667	84.433674	203.717	307.968721
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	49.187581	223.245	72.722628	84.286800	204.607	307.821847
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	49.466364	239.146	73.001411	82.123013	218.825	305.658060

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968
 Distancia: 29.760 Azimut: 92.136933
 BO : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 1595.364 Dis= -71.483 K : 0.999603981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	113.790669	0.000	516507.672	4068182.205	304.007936	1439.342	211.871003	303.768767	1468.597	11.631834
RECTA	20.000	113.790669	0.000	516527.204	4068177.907	303.870597	1419.573	211.733664	303.630939	1448.839	11.494006
RECTA	40.000	113.790669	0.000	516546.737	4068173.608	303.729379	1399.811	211.592446	303.489301	1429.089	11.352368
RECTA	60.000	113.790669	0.000	516566.269	4068169.309	303.584118	1380.056	211.447185	303.343694	1409.346	11.206761
RECTA	80.000	113.790669	0.000	516585.802	4068165.011	303.434638	1360.308	211.297706	303.193950	1389.611	11.057017
RECTA	100.000	113.790669	0.000	516605.335	4068160.712	303.280756	1340.568	211.143823	303.039893	1369.884	10.902960
CLOT.	109.925	113.790669	0.000	516615.028	4068158.579	303.202697	1330.775	211.065764	302.961783	1360.097	10.824850
CLOT.	120.000	113.820339	0.000	516624.867	4068156.412	303.122200	1320.837	210.985267	302.881261	1350.165	10.744329
CLOT.	140.000	114.055053	0.000	516644.391	4068152.074	302.956979	1301.120	210.820046	302.716114	1330.461	10.579181
CLOT.	160.000	114.523603	0.000	516663.890	4068147.628	302.781272	1281.432	210.644339	302.540724	1310.787	10.403791
CLOT.	180.000	115.225989	0.000	516683.348	4068143.004	302.590963	1261.789	210.454030	302.351085	1291.158	10.214152
CLOT.	200.000	116.162212	0.000	516702.745	4068138.129	302.381710	1242.209	210.244777	302.142974	1271.594	10.006041
CIRC.	202.566	116.299277	0.000	516705.228	4068137.482	302.353255	1239.702	210.216322	302.114706	1269.089	9.977773
CIRC.	220.000	117.243434	0.000	516722.060	4068132.942	302.149353	1222.713	210.012421	301.912356	1252.115	9.775424
CIRC.	240.000	118.326581	0.000	516741.285	4068127.427	301.891983	1203.316	209.755050	301.657399	1232.736	9.520466
CIRC.	260.000	119.409728	0.000	516760.412	4068121.586	301.608506	1184.027	209.471573	301.377070	1213.467	9.240137
CIRC.	280.000	120.492875	0.000	516779.438	4068115.420	301.297789	1164.858	209.160856	301.070302	1194.319	8.933369

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968
 Distancia: 29.760 Azimut: 92.136933
 BO : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 1595.364 Dis= -71.483 K : 0.999603981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	121.576023	0.000	516798.356	4068108.932	300.958651	1145.821	208.821718	300.735986	1175.303	8.599053
CIRC.	320.000	122.659170	0.000	516817.161	4068102.122	300.589867	1126.927	208.452934	300.372971	1156.432	8.236039
CIRC.	340.000	123.742317	0.000	516835.847	4068094.994	300.190167	1108.190	208.053235	299.980072	1137.718	7.843139
CIRC.	360.000	124.825464	0.000	516854.409	4068087.549	299.758241	1089.623	207.621308	299.556063	1119.176	7.419130
CIRC.	380.000	125.908612	0.000	516872.842	4068079.789	299.292734	1071.241	207.155801	299.099685	1100.819	6.962752
CIRC.	400.000	126.991759	0.000	516891.141	4068071.716	298.792256	1053.059	206.655323	298.609646	1082.661	6.472713
CLOT.	414.030	127.751577	0.000	516903.893	4068065.868	298.419541	1040.432	206.282608	298.245091	1070.052	6.108159
CLOT.	420.000	128.066899	0.000	516909.299	4068063.334	298.255397	1035.092	206.118464	298.084640	1064.719	5.947707
CLOT.	440.000	129.006541	0.000	516927.321	4068054.662	297.681802	1017.349	205.544869	297.524391	1047.000	5.387458
CLOT.	460.000	129.766468	0.000	516945.225	4068045.750	297.072977	999.820	204.936044	296.930429	1029.493	4.793496
CLOT.	480.000	130.346679	0.000	516963.035	4068036.650	296.430658	982.490	204.293725	296.304509	1012.185	4.167576
CLOT.	500.000	130.747174	0.000	516980.775	4068027.414	295.756641	965.343	203.619708	295.648440	995.057	3.511507
CLOT.	520.000	130.967953	0.000	516998.469	4068018.090	295.052775	948.361	202.915842	294.964086	978.091	2.827153
CLOT.	534.570	131.015640	0.000	517011.345	4068011.273	294.522317	936.080	202.385384	294.448831	965.821	2.311899
CLOT.	540.000	131.008134	0.000	517016.143	4068008.731	294.320976	931.521	202.184043	294.253372	961.264	2.116439
CLOT.	560.000	130.851014	0.000	517033.827	4067999.387	293.563369	914.799	201.426437	293.518430	944.552	1.381497
CLOT.	580.000	130.490240	0.000	517051.548	4067990.115	292.782436	898.165	200.645503	292.761733	927.924	0.624801

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968
 Distancia: 29.760 Azimut: 92.136933
 BO : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 1595.364 Dis= -71.483 K : 0.999603981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	600.000	129.925814	0.000	517069.335	4067980.973	291.980798	881.589	199.843865	291.985897	911.349	399.848964
CLOT.	620.000	129.157734	0.000	517087.218	4067972.017	291.161221	865.038	199.024288	291.193671	894.795	399.056738
CLOT.	640.000	128.186002	0.000	517105.221	4067963.306	290.326638	848.480	198.189705	290.387975	878.229	398.251042
CLOT.	660.000	127.010617	0.000	517123.369	4067954.900	289.480189	831.881	197.343256	289.571927	861.617	397.434994
CIRC.	672.659	126.161386	0.000	517134.939	4067949.764	288.939807	821.338	196.802874	289.051559	851.062	396.914626
CIRC.	680.000	125.645295	0.000	517141.681	4067946.859	288.625227	815.208	196.488294	288.748856	844.925	396.611923
CIRC.	700.000	124.239178	0.000	517160.165	4067939.223	287.763724	798.442	195.626792	287.920760	828.135	395.783827
CIRC.	720.000	122.833060	0.000	517178.813	4067931.996	286.895405	781.583	194.758472	287.087472	811.247	394.950540
CIRC.	740.000	121.426942	0.000	517197.616	4067925.183	286.019779	764.635	193.882846	286.248632	794.263	394.111699
CIRC.	760.000	120.020825	0.000	517216.566	4067918.787	285.136308	747.600	192.999375	285.403840	777.187	393.266908
CIRC.	780.000	118.614707	0.000	517235.652	4067912.811	284.244402	730.479	192.107469	284.552663	760.020	392.415730
CIRC.	800.000	117.208589	0.000	517254.865	4067907.258	283.343408	713.276	191.206475	283.694622	742.764	391.557689
CIRC.	820.000	115.802472	0.000	517274.196	4067902.130	282.432607	695.994	190.295674	282.829188	725.423	390.692256
CIRC.	840.000	114.396354	0.000	517293.636	4067897.431	281.511201	678.634	189.374268	281.955782	707.998	389.818849
CIRC.	860.000	112.990237	0.000	517313.174	4067893.162	280.578305	661.200	188.441372	281.073758	690.492	388.936825
CIRC.	880.000	111.584119	0.000	517332.803	4067889.326	279.632933	643.694	187.496000	280.182401	672.907	388.045468
CIRC.	900.000	110.178001	0.000	517352.511	4067885.925	278.673985	626.120	186.537053	279.280916	655.247	387.143983

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968
 Distancia: 29.760 Azimut: 92.136933
 BO : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 1595.364 Dis= -71.483 K : 0.999603981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	920.000	108.771884	0.000	517372.289	4067882.959	277.700228	608.480	185.563296	278.368414	637.513	386.231481
CIRC.	940.000	107.365766	0.000	517392.128	4067880.431	276.710277	590.777	184.573344	277.443902	619.709	385.306969
CIRC.	960.000	105.959648	0.000	517412.019	4067878.342	275.702570	573.015	183.565637	276.506262	601.838	384.369329
CIRC.	980.000	104.553531	0.000	517431.950	4067876.692	274.675339	555.198	182.538407	275.554236	583.901	383.417303
CIRC.	1000.000	103.147413	0.000	517451.913	4067875.483	273.626578	537.328	181.489645	274.586401	565.903	382.449468
CIRC.	1020.000	101.741295	0.000	517471.898	4067874.716	272.553996	519.409	180.417063	273.601141	547.846	381.464208
CIRC.	1040.000	100.335178	0.000	517491.895	4067874.389	271.454972	501.446	179.318039	272.596612	529.734	380.459680
CIRC.	1060.000	98.929060	0.000	517511.894	4067874.505	270.326489	483.442	178.189556	271.570706	511.571	379.433773
CIRC.	1080.000	97.522942	0.000	517531.886	4067875.062	269.165058	465.403	177.028125	270.520996	493.358	378.384063
CIRC.	1100.000	96.116825	0.000	517551.861	4067876.061	267.966626	447.333	175.829693	269.444676	475.102	377.307743
CIRC.	1120.000	94.710707	0.000	517571.808	4067877.500	266.726456	429.237	174.589523	268.338488	456.805	376.201555
CIRC.	1140.000	93.304589	0.000	517591.719	4067879.380	265.438979	411.123	173.302046	267.198622	438.472	375.061689
CIRC.	1160.000	91.898472	0.000	517611.584	4067881.699	264.097606	392.997	171.960674	266.020600	420.108	373.883668
CIRC.	1180.000	90.492354	0.000	517631.393	4067884.456	262.694493	374.865	170.557560	264.799123	401.719	372.662191
CIRC.	1200.000	89.086236	0.000	517651.136	4067887.650	261.220223	356.738	169.083290	263.527876	383.310	371.390943
CIRC.	1220.000	87.680119	0.000	517670.803	4067891.280	259.663415	338.626	167.526482	262.199273	364.887	370.062340
CIRC.	1240.000	86.274001	0.000	517690.386	4067895.342	258.010186	320.540	165.873253	260.804133	346.459	368.667200

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968
 Distancia: 29.760 Azimut: 92.136933
 BO : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 1595.364 Dis= -71.483 K : 0.999603981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1260.000	84.867883	0.000	517709.874	4067899.836	256.243454	302.495	164.106521	259.331239	328.035	367.194306
CIRC.	1280.000	83.461766	0.000	517729.258	4067904.760	254.341996	284.508	162.205063	257.766752	309.624	365.629819
CIRC.	1300.000	82.055648	0.000	517748.529	4067910.110	252.279166	266.600	160.142233	256.093423	291.239	363.956490
CIRC.	1320.000	80.649530	0.000	517767.676	4067915.885	250.021144	248.800	157.884211	254.289494	272.895	362.152561
CIRC.	1340.000	79.243413	0.000	517786.692	4067922.081	247.524508	231.140	155.387576	252.327179	254.611	360.190246
CIRC.	1360.000	77.837295	0.000	517805.566	4067928.696	244.732849	213.666	152.595916	250.170503	236.412	358.033570
CIRC.	1380.000	76.431177	0.000	517824.289	4067935.726	241.572033	196.436	149.435101	247.772194	218.327	355.635261
CIRC.	1400.000	75.025060	0.000	517842.853	4067943.168	237.943622	179.531	145.806689	245.069142	200.398	352.932209
CIRC.	1420.000	73.618942	0.000	517861.247	4067951.017	233.715912	163.062	141.578979	241.975679	182.682	349.838746
CIRC.	1440.000	72.212824	0.000	517879.464	4067959.272	228.712479	147.183	136.575546	238.373557	165.256	346.236624
CIRC.	1460.000	70.806707	0.000	517897.494	4067967.926	222.699716	132.118	130.562784	234.097037	148.232	341.960104
CIRC.	1480.000	69.400589	0.000	517915.329	4067976.977	215.379950	118.186	123.243017	228.911317	131.777	336.774384
CIRC.	1500.000	67.994471	0.000	517932.959	4067986.419	206.409312	105.844	114.272379	222.484092	116.143	330.347159
CIRC.	1520.000	66.588354	0.000	517950.377	4067996.248	195.482520	95.715	103.345587	214.358406	101.717	322.221473
CIRC.	1540.000	65.182236	0.000	517967.573	4068006.460	182.538900	88.569	90.401967	203.964175	89.098	311.827242
CIRC.	1560.000	63.776118	0.000	517984.539	4068017.049	168.055974	85.164	75.919041	190.776795	79.161	298.639863
CIRC.	1580.000	62.370001	0.000	518001.268	4068028.010	153.145415	85.946	61.008482	174.790998	73.017	282.654065

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 PROYECTO :
 EJE : 12 : Autovía AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 1566.311 Dis= -84.918 K : 0.999603968
 Distancia: 29.760 Azimut: 92.136933
 BO : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 1595.364 Dis= -71.483 K : 0.999603981

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	60.963883	0.000	518017.750	4068039.338	139.131395	90.807	46.994462	157.166140	71.650	265.029207
CIRC.	1620.000	59.557765	0.000	518033.978	4068051.027	126.910929	99.148	34.773996	140.070967	75.321	247.934034
CIRC.	1640.000	58.151648	0.000	518049.944	4068063.071	116.731959	110.176	24.595026	125.321154	83.367	233.184222
CLOT.	1654.877	57.105676	0.000	518061.646	4068072.258	110.383147	119.688	18.246214	116.243240	91.529	224.106307
CLOT.	1660.000	56.754222	0.000	518065.640	4068075.466	108.411064	123.169	16.274131	113.476533	94.675	221.339600
CLOT.	1680.000	55.548464	0.000	518081.076	4068088.183	101.621464	137.582	9.484531	104.220274	108.241	212.083341
CLOT.	1700.000	54.607689	0.000	518096.295	4068101.158	96.055720	153.056	3.918787	97.000514	123.366	204.863581
CLOT.	1720.000	53.931897	0.000	518111.349	4068114.326	91.459621	169.344	399.322689	91.315217	139.585	199.178284
CLOT.	1740.000	53.521086	0.000	518126.289	4068127.621	87.635506	186.271	395.498574	86.780732	156.599	194.643799
CLOT.	1760.000	53.375258	0.000	518141.172	4068140.982	84.433674	203.717	392.296741	83.120843	174.211	190.983910
RECTA	1761.007	53.374922	0.000	518141.920	4068141.655	84.286800	204.607	392.149867	82.955934	175.110	190.819001
RECTA	1776.934	53.374922	0.000	518153.763	4068152.305	82.123013	218.825	389.986080	80.556585	189.489	188.419652

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 PROYECTO :
 EJE : 13 : Autovía MA

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 256.215 Dis= 46.756 K : 0.999603981
 Distancia: 29.760 Azimut: 292.136933
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	67.001679	256.089	174.864746	69.570297	283.791	377.433364
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	68.123325	236.556	175.986392	70.762851	264.452	378.625918
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	69.446368	217.111	177.309435	72.143005	245.221	380.006072
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	71.028876	197.777	178.891943	73.757139	226.124	381.620206
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	72.952791	178.592	180.815859	75.667544	207.200	383.530611
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	74.640378	164.702	182.503445	77.298192	193.514	385.161259
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	75.336869	159.610	183.199936	77.959335	188.500	385.822402
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	78.347593	140.901	186.210660	80.742097	170.086	388.605164
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	82.219973	122.558	190.083040	84.153730	152.028	392.016797
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	87.330656	104.736	195.193723	88.393717	134.430	396.256784
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	94.310584	87.707	202.173651	93.759926	117.454	1.622993
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	104.234199	71.984	212.097267	100.701992	101.365	8.565060
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	108.639811	67.016	216.502878	103.580110	96.085	11.443177
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	118.821591	58.571	226.684658	109.888869	86.606	17.751936
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	139.949886	49.366	247.812954	122.242317	73.963	30.105384
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	166.406817	46.919	274.269885	138.605557	64.694	46.468624
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	191.396546	52.192	299.259613	158.587538	60.380	66.450605

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 256.215 Dis= 46.756 K : 0.999603981
 Distancia: 29.760 Azimut: 292.136933
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	209.910402	63.280	317.773469	179.413025	62.065	87.276092
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	222.492579	77.729	330.355646	197.575741	69.312	105.438809
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	231.173744	93.997	339.036812	211.653028	80.632	119.516095
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	237.447851	111.283	345.310918	222.130111	94.569	129.993178
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	242.207870	129.171	350.070937	229.981578	110.128	137.844645
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	245.977016	147.434	353.840084	236.019939	126.707	143.883006
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	249.070718	165.942	356.933785	240.807473	143.946	148.670540
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	251.686762	184.612	359.549829	244.715913	161.628	152.578980
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	253.954097	203.392	361.817164	247.991344	179.613	155.854411
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	255.959826	222.245	363.822893	250.799629	197.811	158.662696
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	257.764650	241.145	365.627717	253.255182	216.160	161.118250
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	259.412047	260.074	367.275114	255.438828	234.617	163.301895
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	260.933913	279.017	368.796980	257.408969	253.148	165.272036
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	262.354143	297.962	370.217210	259.208697	271.731	167.071764
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	263.690974	316.901	371.554041	260.870416	290.347	168.733483
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	264.958553	335.825	372.821620	262.418912	308.981	170.281979
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	266.168018	354.727	374.031085	263.873441	327.621	171.736508

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 256.215 Dis= 46.756 K : 0.999603981
 Distancia: 29.760 Azimut: 292.136933
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	267.328253	373.603	375.191320	265.249171	346.258	173.112238
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	268.446426	392.446	376.309493	266.558204	364.883	174.421271
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	269.528386	411.252	377.391453	267.810302	383.489	175.673370
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	270.578947	430.018	378.442015	269.013429	402.069	176.876497
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	271.602113	448.738	379.465180	270.174139	420.619	178.037206
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	272.601235	467.410	380.464302	271.297871	439.132	179.160938
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	273.579140	486.030	381.442207	272.389182	457.605	180.252250
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	274.538232	504.594	382.401299	273.451912	476.033	181.314979
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	275.480566	523.100	383.343633	274.489321	494.413	182.352388
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	276.407907	541.545	384.270975	275.504194	512.740	183.367261
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	277.321785	559.924	385.184852	276.498923	531.011	184.361990
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	278.223525	578.237	386.086592	277.475577	549.222	185.338644
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	279.114287	596.479	386.977355	278.435950	567.371	186.299017
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	279.995089	614.648	387.858156	279.381608	585.455	187.244675
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	280.866824	632.742	388.729891	280.313924	603.469	188.176991
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	281.730284	650.757	389.593352	281.234105	621.412	189.097172
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	282.586173	668.692	390.449240	282.143219	639.281	190.006286

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 256.215 Dis= 46.756 K : 0.999603981
 Distancia: 29.760 Azimut: 292.136933
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	283.435114	686.543	391.298181	283.042211	657.072	190.905278
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	284.277667	704.308	392.140734	283.931923	674.784	191.794990
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	285.114332	721.985	392.977399	284.813106	692.413	192.676173
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	285.945558	739.571	393.808625	285.686433	709.957	193.549500
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	286.771752	757.064	394.634819	286.552507	727.413	194.415575
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	287.593279	774.461	395.456346	287.411875	744.779	195.274942
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	288.410472	791.760	396.273539	288.265026	762.053	196.128093
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	289.223631	808.959	397.086698	289.112405	779.231	196.975472
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	290.033031	826.056	397.896098	289.954416	796.312	197.817484
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	290.838921	843.047	398.701989	290.791427	813.293	198.654494
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	291.235030	851.385	399.098097	291.202363	821.627	199.065430
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	291.641418	859.932	399.504485	291.623655	830.172	199.486722
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	292.438155	876.731	0.301222	292.448739	846.971	200.311806
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	293.224577	893.488	1.087644	293.262051	863.732	201.125118
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	293.996365	910.244	1.859432	294.059204	880.497	201.922271
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	294.749473	927.044	2.612540	294.836097	897.309	202.699164
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	295.422969	942.583	3.286036	295.530050	912.863	203.393117

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 256.215 Dis= 46.756 K : 0.999603981
 Distancia: 29.760 Azimut: 292.136933
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	295.480081	943.928	3.343149	295.588861	914.210	203.451929
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	296.184962	960.931	4.048029	296.314242	931.233	204.177310
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	296.862315	978.075	4.725382	297.010460	948.399	204.873527
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	297.510655	995.377	5.373722	297.676059	965.726	205.539126
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	298.128548	1012.851	5.991615	298.309635	983.226	206.172702
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	298.714605	1030.510	6.577672	298.909833	1000.913	206.772900
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	299.267485	1048.366	7.130552	299.475343	1018.798	207.338410
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	299.671909	1062.330	7.534977	299.888529	1032.784	207.751596
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	299.785896	1066.426	7.648963	300.004907	1036.887	207.867974
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	300.269378	1084.691	8.132445	300.498123	1055.180	208.361190
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	300.719104	1103.146	8.582171	300.956270	1073.663	208.819337
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	301.136421	1121.778	8.999488	301.380797	1092.322	209.243864
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	301.522634	1140.572	9.385701	301.773107	1111.143	209.636175
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	301.879009	1159.515	9.742076	302.134557	1130.112	209.997625
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	302.206768	1178.596	10.069836	302.466454	1149.217	210.329521
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	302.507092	1197.803	10.370159	302.770055	1168.446	210.633122
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	302.781114	1217.124	10.644181	303.046567	1187.789	210.909634

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-04 X: 517973.115 Y: 4068095.350 Z: 46.246 PK: 256.215 Dis= 46.756 K : 0.999603981
 Distancia: 29.760 Azimut: 292.136933
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	303.029926	1236.549	10.892993	303.297150	1207.233	211.160217
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	303.254575	1256.067	11.117642	303.522911	1226.770	211.385978
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	303.388589	1268.846	11.251656	303.657325	1239.561	211.520392
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	303.456089	1275.669	11.319156	303.724938	1246.389	211.588006
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	303.636804	1295.341	11.499871	303.905653	1266.077	211.768721
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	303.800935	1315.064	11.664002	304.069394	1285.813	211.932461
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	303.952642	1334.822	11.815709	304.220434	1305.584	212.083502
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	304.095864	1354.599	11.958931	304.362818	1325.374	212.225885
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	304.122220	1358.329	11.985287	304.389004	1329.106	212.252072
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	304.234028	1374.387	12.097095	304.500055	1345.174	212.363122
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	304.368266	1394.181	12.231333	304.633307	1364.980	212.496374
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	304.498746	1413.981	12.361813	304.762746	1384.792	212.625814
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	304.625621	1433.786	12.488688	304.888534	1404.609	212.751601
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	304.749038	1453.598	12.612105	305.010821	1424.431	212.873888
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	304.813596	1464.183	12.676663	305.074759	1435.022	212.937827

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968
 Distancia: 117.830 Azimut: 176.464953
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	69.570297	283.791	293.105344	45.619215	318.826	69.154262
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	70.762851	264.452	294.297898	45.083674	298.987	68.618721
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	72.143005	245.221	295.678052	44.472064	279.173	68.007111
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	73.757139	226.124	297.292186	43.767078	259.388	67.302125
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	75.667544	207.200	299.202591	42.945789	239.640	66.480836
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	77.298192	193.514	300.833239	42.254901	225.244	65.789948
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	77.959335	188.500	301.494382	41.977107	219.939	65.512154
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	80.742097	170.086	304.277144	40.809726	200.305	64.344773
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	84.153730	152.028	307.688777	39.353996	180.776	62.889043
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	88.393717	134.430	311.928764	37.476990	161.413	61.012037
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	93.759926	117.454	317.294973	34.978508	142.309	58.513555
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	100.701992	101.365	324.237039	31.547240	123.622	55.082287
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	103.580110	96.085	327.115157	30.062291	117.307	53.597338
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	109.888869	86.606	333.423916	26.687221	105.615	50.222268
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	122.242317	73.963	345.777364	19.623037	88.733	43.158084
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	138.605557	64.694	362.140604	9.166606	73.762	32.701653
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	158.587538	60.380	382.122585	393.831052	62.112	17.366099

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968
 Distancia: 117.830 Azimut: 176.464953
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	179.413025	62.065	2.948072	373.191801	55.906	396.726848
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	197.575741	69.312	21.110788	350.530982	56.955	374.066029
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	211.653028	80.632	35.188075	331.235266	64.909	354.770313
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	222.130111	94.569	45.665158	317.392745	77.671	340.927792
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	229.981578	110.128	53.516625	308.026608	93.284	331.561655
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	236.019939	126.707	59.554986	301.675373	110.540	325.210420
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	240.807473	143.946	64.342520	297.278635	128.772	320.813682
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	244.715913	161.628	68.250960	294.169451	147.613	317.704498
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	247.991344	179.613	71.526391	291.935421	166.848	315.470468
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	250.799629	197.811	74.334676	290.316261	186.346	313.851307
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	253.255182	216.160	76.790229	289.142552	206.025	312.677599
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	255.438828	234.617	78.973875	288.300453	225.828	311.835500
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	257.408969	253.148	80.944016	287.711146	245.716	311.246193
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	259.208697	271.731	82.743744	287.318572	265.661	310.853619
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	260.870416	290.347	84.405463	287.081889	285.643	310.616936
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	262.418912	308.981	85.953959	286.970702	305.643	310.505749
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	263.873441	327.621	87.408488	286.961957	325.651	310.497004

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968
 Distancia: 117.830 Azimut: 176.464953
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	265.249171	346.258	88.784218	287.037872	345.654	310.572919
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	266.558204	364.883	90.093251	287.184525	365.645	310.719572
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	267.810302	383.489	91.345349	287.390866	385.616	310.925913
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	269.013429	402.069	92.548476	287.648017	405.559	311.183064
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	270.174139	420.619	93.709186	287.948770	425.470	311.483817
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	271.297871	439.132	94.832918	288.287209	445.343	311.822256
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	272.389182	457.605	95.924229	288.658439	465.174	312.193486
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	273.451912	476.033	96.986959	289.058371	484.958	312.593418
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	274.489321	494.413	98.024368	289.483570	504.691	313.018617
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	275.504194	512.740	99.039241	289.931121	524.369	313.466168
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	276.498923	531.011	100.033970	290.398543	543.988	313.933590
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	277.475577	549.222	101.010624	290.883705	563.545	314.418752
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	278.435950	567.371	101.970996	291.384770	583.038	314.919817
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	279.381608	585.455	102.916655	291.900147	602.461	315.435194
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	280.313924	603.469	103.848971	292.428446	621.813	315.963493
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	281.234105	621.412	104.769152	292.968454	641.091	316.503500
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	282.143219	639.281	105.678266	293.519102	660.291	317.054149

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968
 Distancia: 117.830 Azimut: 176.464953
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	283.042211	657.072	106.577258	294.079449	679.410	317.614496
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	283.931923	674.784	107.466970	294.648661	698.446	318.183708
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	284.813106	692.413	108.348153	295.225994	717.395	318.761041
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	285.686433	709.957	109.221480	295.810789	736.256	319.345836
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	286.552507	727.413	110.087554	296.402452	755.025	319.937499
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	287.411875	744.779	110.946922	297.000453	773.700	320.535500
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	288.265026	762.053	111.800073	297.604313	792.279	321.139360
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	289.112405	779.231	112.647452	298.213600	810.757	321.748647
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	289.954416	796.312	113.489463	298.827925	829.134	322.362972
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	290.791427	813.293	114.326474	299.446933	847.406	322.981980
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	291.202363	821.627	114.737410	299.753747	856.376	323.288794
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	291.623655	830.172	115.158702	300.070181	865.572	323.605228
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	292.448739	846.971	115.983786	300.694631	883.647	324.229678
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	293.262051	863.732	116.797098	301.314982	901.666	324.850029
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	294.059204	880.497	117.594251	301.926270	919.662	325.461317
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	294.836097	897.309	118.371144	302.523905	937.671	326.058952
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	295.530050	912.863	119.065097	303.058328	954.290	326.593375

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968
 Distancia: 117.830 Azimut: 176.464953
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	295.588861	914.210	119.123908	303.103614	955.726	326.638661
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	296.314242	931.233	119.849289	303.661822	973.858	327.196869
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	297.010460	948.399	120.545507	304.196511	992.083	327.731558
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	297.676059	965.726	121.211106	304.706028	1010.417	328.241075
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	298.309635	983.226	121.844682	305.188803	1028.870	328.723850
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	298.909833	1000.913	122.444880	305.643339	1047.454	329.178386
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	299.475343	1018.798	123.010390	306.068209	1066.178	329.603256
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	299.888529	1032.784	123.423576	306.375899	1080.773	329.910946
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	300.004907	1036.887	123.539954	306.462057	1085.047	329.997104
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	300.498123	1055.180	124.033170	306.824392	1104.060	330.359439
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	300.956270	1073.663	124.491317	307.156391	1123.206	330.691438
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	301.380797	1092.322	124.915844	307.459388	1142.474	330.994435
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	301.773107	1111.143	125.308154	307.734659	1161.851	331.269706
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	302.134557	1130.112	125.669604	307.983426	1181.328	331.518473
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	302.466454	1149.217	126.001501	308.206856	1200.894	331.741903
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	302.770055	1168.446	126.305102	308.406064	1220.540	331.941111
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	303.046567	1187.789	126.581614	308.582111	1240.256	332.117158

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 284.469 Dis= 60.202 K : 0.999603968
 Distancia: 117.830 Azimut: 176.464953
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	303.297150	1207.233	126.832197	308.736011	1260.034	332.271058
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	303.522911	1226.770	127.057958	308.868728	1279.866	332.403775
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	303.657325	1239.561	127.192372	308.944334	1292.829	332.479381
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	303.724938	1246.389	127.259985	308.981207	1299.744	332.516254
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	303.905653	1266.077	127.440700	309.075687	1319.657	332.610734
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	304.069394	1285.813	127.604441	309.156263	1339.594	332.691310
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	304.220434	1305.584	127.755481	309.226965	1359.546	332.762012
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	304.362818	1325.374	127.897865	309.291601	1379.505	332.826648
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	304.389004	1329.106	127.924051	309.303403	1383.268	332.838450
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	304.500055	1345.174	128.035102	309.353467	1399.467	332.888514
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	304.633307	1364.980	128.168354	309.413589	1419.431	332.948636
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	304.762746	1384.792	128.297793	309.472043	1439.396	333.007090
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	304.888534	1404.609	128.423581	309.528898	1459.362	333.063945
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	305.010821	1424.431	128.545868	309.584218	1479.329	333.119265
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	305.074759	1435.022	128.609806	309.613161	1489.995	333.148208

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	45.619215	318.826	174.038382	55.413017	503.277	383.832183
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	45.083674	298.987	173.502841	55.486280	483.277	383.905446
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	44.472064	279.173	172.891230	55.565868	463.278	383.985035
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	43.767078	259.388	172.186245	55.652638	443.280	384.071804
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	42.945789	239.640	171.364955	55.747607	423.282	384.166773
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	42.254901	225.244	170.674068	55.822855	408.675	384.242022
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	41.977107	219.939	170.396273	55.851952	403.286	384.271118
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	40.809726	200.305	169.228892	55.962693	383.290	384.381860
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	39.353996	180.776	167.773163	56.067639	363.291	384.486806
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	37.476990	161.413	165.896156	56.150781	343.289	384.569948
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	34.978508	142.309	163.397674	56.192138	323.282	384.611305
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	31.547240	123.622	159.966407	56.166456	303.275	384.585622
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	30.062291	117.307	158.481457	56.136380	296.364	384.555547
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	26.687221	105.615	155.106388	56.042216	283.276	384.461383
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	19.623037	88.733	148.042204	55.789522	263.297	384.208688
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	9.166606	73.762	137.585773	55.376831	243.357	383.795998
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	393.831052	62.112	122.250219	54.761819	223.477	383.180985

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	373.191801	55.906	101.610967	53.886231	203.686	382.305398
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	350.530982	56.955	78.950148	52.667913	184.025	381.087079
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	331.235266	64.909	59.654433	50.987790	164.551	379.406957
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	317.392745	77.671	45.811911	48.667994	145.354	377.087160
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	308.026608	93.284	36.445775	45.434179	126.570	373.853346
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	301.675373	110.540	30.094539	40.850178	108.426	369.269345
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	297.278635	128.772	25.697801	34.209828	91.319	362.628995
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	294.169451	147.613	22.588617	24.398028	75.961	352.817195
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	291.935421	166.848	20.354588	9.930775	63.645	338.349942
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	290.316261	186.346	18.735427	390.031827	56.405	318.450993
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	289.142552	206.025	17.561719	367.297823	56.243	295.716990
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	288.300453	225.828	16.719620	347.190663	63.213	275.609830
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	287.711146	245.716	16.130313	332.492691	75.358	260.911858
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	287.318572	265.661	15.737738	322.512706	90.617	250.931873
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	287.081889	285.643	15.501056	315.762463	107.667	244.181630
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	286.970702	305.643	15.389868	311.107114	125.775	239.526281
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	286.961957	325.651	15.381123	307.825770	144.538	236.244936

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	287.037872	345.654	15.457039	305.473243	163.721	233.892410
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	287.184525	365.645	15.603692	303.769838	183.184	232.189005
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	287.390866	385.616	15.810032	302.534466	202.839	230.953632
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	287.648017	405.559	16.067184	301.646059	222.625	230.065226
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	287.948770	425.470	16.367936	301.021194	242.502	229.440360
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	288.287209	445.343	16.706375	300.600779	262.440	229.019945
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	288.658439	465.174	17.077605	300.341925	282.417	228.761092
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	289.058371	484.958	17.477538	300.212817	302.416	228.631983
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	289.483570	504.691	17.902736	300.189394	322.423	228.608560
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	289.931121	524.369	18.350288	300.253146	342.428	228.672313
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	290.398543	543.988	18.817709	300.389615	362.421	228.808781
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	290.883705	563.545	19.302871	300.587347	382.395	229.006514
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	291.384770	583.038	19.803937	300.837161	402.343	229.256328
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	291.900147	602.461	20.319313	301.131612	422.260	229.550778
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	292.428446	621.813	20.847612	301.464601	442.139	229.883767
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	292.968454	641.091	21.387620	301.831086	461.977	230.250253
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	293.519102	660.291	21.938269	302.226866	481.768	230.646032

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 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	294.079449	679.410	22.498616	302.648409	501.509	231.067575
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	294.648661	698.446	23.067827	303.092727	521.196	231.511894
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	295.225994	717.395	23.645161	303.557276	540.825	231.976443
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	295.810789	736.256	24.229956	304.039876	560.392	232.459042
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	296.402452	755.025	24.821619	304.538645	579.895	232.957812
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	297.000453	773.700	25.419619	305.051958	599.329	233.471124
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	297.604313	792.279	26.023479	305.578395	618.693	233.997562
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	298.213600	810.757	26.632767	306.116718	637.982	234.535884
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	298.827925	829.134	27.247091	306.665837	657.194	235.085004
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	299.446933	847.406	27.866099	307.224792	676.326	235.643959
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	299.753747	856.376	28.172914	307.503731	685.729	235.922898
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	300.070181	865.572	28.489347	307.792575	695.376	236.211742
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	300.694631	883.647	29.113797	308.364869	714.354	236.784036
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	301.314982	901.666	29.734149	308.934565	733.285	237.353732
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	301.926270	919.662	30.345436	309.495165	752.193	237.914332
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	302.523905	937.671	30.943072	310.040812	771.106	238.459978
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	303.058328	954.290	31.477494	310.525322	788.543	238.944488

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	303.103614	955.726	31.522781	310.566187	790.049	238.985353
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	303.661822	973.858	32.080989	311.066978	809.043	239.486144
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	304.196511	992.083	32.615677	311.540917	828.100	239.960083
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	304.706028	1010.417	33.125194	311.986237	847.231	240.405404
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	305.188803	1028.870	33.607969	312.401300	866.443	240.820467
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	305.643339	1047.454	34.062505	312.784584	885.744	241.203751
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	306.068209	1066.178	34.487375	313.134673	905.136	241.553840
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	306.375899	1080.773	34.795065	313.382073	920.214	241.801239
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	306.462057	1085.047	34.881223	313.450258	924.623	241.869424
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	306.824392	1104.060	35.243558	313.731081	944.202	242.150247
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	307.156391	1123.206	35.575557	313.978872	963.862	242.398039
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	307.459388	1142.474	35.878554	314.195493	983.593	242.614659
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	307.734659	1161.851	36.153826	314.382681	1003.386	242.801847
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	307.983426	1181.328	36.402593	314.542064	1023.233	242.961231
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	308.206856	1200.894	36.626023	314.675165	1043.123	243.094332
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	308.406064	1220.540	36.825230	314.783409	1063.051	243.202576
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	308.582111	1240.256	37.001277	314.868128	1083.008	243.287295

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 307.216 Dis= -55.386 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	308.736011	1260.034	37.155177	314.930571	1102.986	243.349738
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	308.868728	1279.866	37.287894	314.971906	1122.981	243.391073
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	308.944334	1292.829	37.363500	314.988021	1136.031	243.407187
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	308.981207	1299.744	37.400373	314.993258	1142.985	243.412424
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	309.075687	1319.657	37.494853	314.997207	1162.993	243.416374
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	309.156263	1339.594	37.575429	314.988410	1183.000	243.407576
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	309.226965	1359.546	37.646132	314.971391	1203.005	243.390558
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	309.291601	1379.505	37.710768	314.950382	1223.009	243.369549
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	309.303403	1383.268	37.722570	314.946302	1226.780	243.365469
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	309.353467	1399.467	37.772633	314.929005	1243.013	243.348171
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	309.413589	1419.431	37.832755	314.908300	1263.017	243.327467
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	309.472043	1439.396	37.891209	314.888241	1283.021	243.307408
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	309.528898	1459.362	37.948064	314.868798	1303.025	243.287964
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	309.584218	1479.329	38.003384	314.849943	1323.029	243.269109
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	309.613161	1489.995	38.032327	314.840103	1333.715	243.259269

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	55.413017	503.277	170.658672	63.438011	681.137	378.683667
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	55.486280	483.277	170.731935	63.733159	661.372	378.978815
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	55.565868	463.278	170.811524	64.046484	641.623	379.292140
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	55.652638	443.280	170.898293	64.379701	621.890	379.625357
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	55.747607	423.282	170.993262	64.734747	602.175	379.980403
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	55.822855	408.675	171.068511	65.009154	587.786	380.254810
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	55.851952	403.286	171.097607	65.113787	582.481	380.359442
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	55.962693	383.290	171.208349	65.516332	562.803	380.761987
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	56.067639	363.291	171.313295	65.936204	543.130	381.181860
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	56.150781	343.289	171.396437	66.365684	523.448	381.611339
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	56.192138	323.282	171.437794	66.795843	503.744	382.041498
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	56.166456	303.275	171.412111	67.216277	484.004	382.461932
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	56.136380	296.364	171.382035	67.357102	477.174	382.602758
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	56.042216	283.276	171.287872	67.615277	464.218	382.860932
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	55.789522	263.297	171.035177	67.985505	444.386	383.231160
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	55.376831	243.357	170.622487	68.322772	424.511	383.568427
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	54.761819	223.477	170.007474	68.622145	404.599	383.867800

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	53.886231	203.686	169.131887	68.877662	384.654	384.123318
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	52.667913	184.025	167.913568	69.082053	364.682	384.327708
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	50.987790	164.551	166.233446	69.226361	344.691	384.472016
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	48.667994	145.354	163.913649	69.299431	324.687	384.545086
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	45.434179	126.570	160.679835	69.287198	304.680	384.532853
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	40.850178	108.426	156.095834	69.171688	284.680	384.417343
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	34.209828	91.319	149.455484	68.929577	264.699	384.175233
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	24.398028	75.961	139.643683	68.530089	244.756	383.775745
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	9.930775	63.645	125.176431	67.931827	224.870	383.177482
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	390.031827	56.405	105.277482	67.077905	205.071	382.323560
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	367.297823	56.243	82.543479	65.888241	185.398	381.133896
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	347.190663	63.213	62.436319	64.246994	165.908	379.492650
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	332.492691	75.358	47.738347	61.981492	146.686	377.227147
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	322.512706	90.617	37.758362	58.825981	127.865	374.071636
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	315.762463	107.667	31.008119	54.358693	109.664	369.604349
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	311.107114	125.775	26.352770	47.896898	92.462	363.142554
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	307.825770	144.538	23.071425	38.357083	76.942	353.602739

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	305.473243	163.721	20.718898	24.263725	64.347	339.509380
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	303.769838	183.184	19.015494	4.709327	56.667	319.954983
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	302.534466	202.839	17.780121	381.985941	55.970	297.231597
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	301.646059	222.625	16.891715	361.536329	62.490	276.781985
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	301.021194	242.502	16.266849	346.450541	74.348	261.696197
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	300.600779	262.440	15.846434	336.187252	89.443	251.432907
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	300.341925	282.417	15.587581	329.252815	106.398	244.498470
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	300.212817	302.416	15.458472	324.478723	124.450	239.724378
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	300.189394	322.423	15.435049	321.118864	143.177	236.364519
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	300.253146	342.428	15.498802	318.712661	162.337	233.958317
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	300.389615	362.421	15.635270	316.971340	181.785	232.216995
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	300.587347	382.395	15.833003	315.708376	201.429	230.954032
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	300.837161	402.343	16.082817	314.799364	221.208	230.045019
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	301.131612	422.260	16.377267	314.158755	241.080	229.404411
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	301.464601	442.139	16.710256	313.726073	261.015	228.971729
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	301.831086	461.977	17.076742	313.457494	280.990	228.703150
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	302.226866	481.768	17.472521	313.320559	300.987	228.566214

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	302.648409	501.509	17.894064	313.290752	320.994	228.536407
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	303.092727	521.196	18.338383	313.349235	340.999	228.594891
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	303.557276	540.825	18.802932	313.481309	360.994	228.726964
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	304.039876	560.392	19.285531	313.675340	380.969	228.920996
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	304.538645	579.895	19.784301	313.922012	400.919	229.167667
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	305.051958	599.329	20.297613	314.213773	420.838	229.459428
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	305.578395	618.693	20.824051	314.544444	440.720	229.790099
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	306.116718	637.982	21.362373	314.908919	460.561	230.154575
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	306.665837	657.194	21.911493	315.302945	480.355	230.548601
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	307.224792	676.326	22.470448	315.722950	500.100	230.968606
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	307.503731	685.729	22.749387	315.938645	509.815	231.184301
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	307.792575	695.376	23.038231	316.165694	519.790	231.411350
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	308.364869	714.354	23.610525	316.623732	539.432	231.869388
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	308.934565	733.285	24.180221	317.086262	559.038	232.331917
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	309.495165	752.193	24.740821	317.543802	578.624	232.789457
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	310.040812	771.106	25.286467	317.988127	598.206	233.233783
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	310.525322	788.543	25.770977	318.379283	616.243	233.624938

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	310.566187	790.049	25.811842	318.412050	617.800	233.657705
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	311.066978	809.043	26.312633	318.809960	637.420	234.055616
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	311.540917	828.100	26.786572	319.179093	657.072	234.424749
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	311.986237	847.231	27.231893	319.517408	676.764	234.763063
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	312.401300	866.443	27.646956	319.823077	696.498	235.068733
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	312.784584	885.744	28.030240	320.094463	716.278	235.340118
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	313.134673	905.136	28.380329	320.330089	736.105	235.575744
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	313.382073	920.214	28.627728	320.487101	751.486	235.732757
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	313.450258	924.623	28.695913	320.528635	755.977	235.774291
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	313.731081	944.202	28.976736	320.690103	775.890	235.935758
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	313.978872	963.862	29.224528	320.816911	795.836	236.062567
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	314.195493	983.593	29.441148	320.911555	815.808	236.157211
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	314.382681	1003.386	29.628336	320.976308	835.798	236.221963
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	314.542064	1023.233	29.787720	321.013242	855.800	236.258898
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	314.675165	1043.123	29.920821	321.024254	875.807	236.269909
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	314.783409	1063.051	30.029065	321.011076	895.814	236.256732
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	314.868128	1083.008	30.113784	320.975297	915.815	236.220953

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.429 Dis= -55.348 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	314.930571	1102.986	30.176227	320.918376	935.806	236.164031
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	314.971906	1122.981	30.217562	320.841650	955.781	236.087306
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	314.988021	1136.031	30.233676	320.781513	968.802	236.027168
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	314.993258	1142.985	30.238913	320.746387	975.736	235.992043
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	314.997207	1162.993	30.242863	320.635532	995.670	235.881188
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	314.988410	1183.000	30.234065	320.514394	1015.587	235.760049
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	314.971391	1203.005	30.217047	320.388070	1035.491	235.633726
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	314.950382	1223.009	30.196038	320.261269	1055.390	235.506924
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	314.946302	1226.780	30.191958	320.237673	1059.141	235.483329
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	314.929005	1243.013	30.174660	320.137959	1075.291	235.383615
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	314.908300	1263.017	30.153955	320.019127	1095.196	235.264782
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	314.888241	1283.021	30.133897	319.904537	1115.105	235.150192
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	314.868798	1303.025	30.114453	319.793967	1135.017	235.039623
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	314.849943	1323.029	30.095598	319.687211	1154.933	234.932866
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	314.840103	1333.715	30.085758	319.631679	1165.573	234.877334

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	63.438011	681.137	179.639734	66.816256	812.386	383.017979
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	63.733159	661.372	179.934882	67.146334	792.815	383.348056
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	64.046484	641.623	180.248207	67.493109	773.267	383.694832
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	64.379701	621.890	180.581424	67.857861	753.743	384.059584
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	64.734747	602.175	180.936470	68.241998	734.245	384.443721
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	65.009154	587.786	181.210877	68.535751	720.020	384.737473
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	65.113787	582.481	181.315510	68.647055	714.776	384.848778
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	65.516332	562.803	181.718055	69.072372	695.330	385.274095
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	65.936204	543.130	182.137927	69.512758	675.892	385.714481
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	66.365684	523.448	182.567407	69.961928	656.444	386.163651
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	66.795843	503.744	182.997566	70.412832	636.968	386.614555
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	67.216277	484.004	183.417999	70.857508	617.446	387.059231
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	67.357102	477.174	183.558825	71.008073	610.688	387.209795
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	67.615277	464.218	183.817000	71.287304	597.863	387.489027
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	67.985505	444.386	184.187228	71.697295	578.217	387.899017
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	68.322772	424.511	184.524495	72.085258	558.512	388.286981
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	68.622145	404.599	184.823868	72.448707	538.751	388.650429

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	68.877662	384.654	185.079385	72.784766	518.939	388.986489
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	69.082053	364.682	185.283775	73.090100	499.081	389.291823
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	69.226361	344.691	185.428083	73.360812	479.182	389.562535
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	69.299431	324.687	185.501153	73.592328	459.247	389.794050
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	69.287198	304.680	185.488921	73.779237	439.283	389.980960
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	69.171688	284.680	185.373410	73.915104	419.296	390.116827
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	68.929577	264.699	185.131300	73.992209	399.295	390.193931
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	68.530089	244.756	184.731812	74.001220	379.288	390.202943
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	67.931827	224.870	184.133549	73.930760	359.284	390.132482
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	67.077905	205.071	183.279628	73.766820	339.297	389.968542
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	65.888241	185.398	182.089964	73.491978	319.340	389.693701
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	64.246994	165.908	180.448717	73.084323	299.431	389.286045
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	61.981492	146.686	178.183214	72.515957	279.591	388.717680
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	58.825981	127.865	175.027703	71.750898	259.847	387.952621
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	54.358693	109.664	170.560416	70.742073	240.235	386.943796
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	47.896898	92.462	164.098621	69.426974	220.802	385.628697
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	38.357083	76.942	154.558806	67.721299	201.609	383.923022

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	24.263725	64.347	140.465447	65.509618	182.746	381.711341
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	4.709327	56.667	120.911050	62.631747	164.336	378.833470
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	381.985941	55.970	98.187664	58.863605	146.561	375.065327
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	361.536329	62.490	77.738052	53.893104	129.694	370.094827
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	346.450541	74.348	62.652264	47.299741	114.149	363.501463
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	336.187252	89.443	52.388975	38.572034	100.551	354.773757
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	329.252815	106.398	45.454537	27.253802	89.796	343.455525
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	324.478723	124.450	40.680445	13.348748	83.005	329.550471
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	321.118864	143.177	37.320586	397.858643	81.181	314.060366
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	318.712661	162.337	34.914384	382.689909	84.647	298.891632
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	316.971340	181.785	33.173062	369.547126	92.811	285.748849
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	315.708376	201.429	31.910099	359.077513	104.575	275.279236
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	314.799364	221.208	31.001086	351.079144	118.870	267.280867
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	314.158755	241.080	30.360478	345.049023	134.887	261.250745
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	313.726073	261.015	29.927796	340.497252	152.077	256.698975
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	313.457494	280.990	29.659217	337.038531	170.076	253.240254
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	313.320559	300.987	29.522282	334.391208	188.645	250.592931

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	313.290752	320.994	29.492474	332.353750	207.624	248.555473
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	313.349235	340.999	29.550958	330.781856	226.900	246.983579
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	313.481309	360.994	29.683031	329.571139	246.396	245.772862
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	313.675340	380.969	29.877063	328.645006	266.054	244.846729
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	313.922012	400.919	30.123734	327.946385	285.831	244.148107
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	314.213773	420.838	30.415495	327.432090	305.696	243.633813
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	314.544444	440.720	30.746166	327.068960	325.622	243.270683
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	314.908919	460.561	31.110642	326.831177	345.590	243.032900
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	315.302945	480.355	31.504668	326.698382	365.584	242.900105
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	315.722950	500.100	31.924673	326.654327	385.590	242.856050
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	315.938645	509.815	32.140368	326.661159	395.454	242.862882
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	316.165694	519.790	32.367417	326.685623	405.596	242.887345
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	316.623732	539.432	32.825455	326.775308	425.595	242.977031
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	317.086262	559.038	33.287984	326.903790	445.584	243.105513
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	317.543802	578.624	33.745524	327.054623	465.563	243.256346
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	317.988127	598.206	34.189850	327.214086	485.535	243.415808
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	318.379283	616.243	34.581006	327.358546	503.920	243.560269

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	318.412050	617.800	34.613773	327.370633	505.506	243.572356
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	318.809960	637.420	35.011683	327.515364	525.479	243.717087
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	319.179093	657.072	35.380816	327.643374	545.458	243.845097
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	319.517408	676.764	35.719131	327.750960	565.444	243.952682
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	319.823077	696.498	36.024800	327.834920	585.438	244.036643
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	320.094463	716.278	36.296185	327.892474	605.438	244.094197
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	320.330089	736.105	36.531811	327.921196	625.444	244.122919
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	320.487101	751.486	36.688824	327.922274	640.934	244.123997
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	320.528635	755.977	36.730358	327.918973	645.452	244.120696
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	320.690103	775.890	36.891826	327.885345	665.457	244.087067
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	320.816911	795.836	37.018634	327.822718	685.453	244.024441
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	320.911555	815.808	37.113278	327.733574	705.437	243.935297
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	320.976308	835.798	37.178031	327.620121	725.404	243.821844
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	321.013242	855.800	37.214965	327.484334	745.350	243.686057
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	321.024254	875.807	37.225977	327.327983	765.272	243.529706
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	321.011076	895.814	37.212799	327.152658	785.165	243.354381
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	320.975297	915.815	37.177020	326.959792	805.028	243.161515

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 671.846 Dis= -55.313 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	320.918376	935.806	37.120098	326.750680	824.855	242.952402
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	320.841650	955.781	37.043373	326.526491	844.646	242.728214
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	320.781513	968.802	36.983236	326.372618	857.536	242.574340
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	320.746387	975.736	36.948110	326.288327	864.397	242.490050
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	320.635532	995.670	36.837255	326.039169	884.110	242.240891
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	320.514394	1015.587	36.716116	325.784615	903.796	241.986337
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	320.388070	1035.491	36.589793	325.530001	923.467	241.731723
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	320.261269	1055.390	36.462992	325.280209	943.137	241.481931
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	320.237673	1059.141	36.439396	325.234033	946.846	241.435756
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	320.137959	1075.291	36.339682	325.039299	962.817	241.241022
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	320.019127	1095.196	36.220849	324.808038	982.511	241.009761
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	319.904537	1115.105	36.106259	324.585869	1002.217	240.787592
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	319.793967	1135.017	35.995690	324.372271	1021.935	240.573994
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	319.687211	1154.933	35.888934	324.166761	1041.663	240.368484
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	319.631679	1165.573	35.833402	324.060141	1052.206	240.261864

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	66.816256	812.386	143.710694	74.947064	915.410	351.841502
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	67.146334	792.815	144.040772	75.413681	896.536	352.308119
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	67.493109	773.267	144.387547	75.900340	877.712	352.794778
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	67.857861	753.743	144.752299	76.408300	858.942	353.302738
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	68.241998	734.245	145.136436	76.938920	840.229	353.833358
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	68.535751	720.020	145.430189	77.341701	826.598	354.236139
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	68.647055	714.776	145.541493	77.493655	821.577	354.388093
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	69.072372	695.330	145.966810	78.072126	802.980	354.966564
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	69.512758	675.892	146.407196	78.670263	784.414	355.564701
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	69.961928	656.444	146.856366	79.283237	765.850	356.177675
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	70.412832	636.968	147.307270	79.905764	747.260	356.800202
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	70.857508	617.446	147.751946	80.532023	728.615	357.426461
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	71.008073	610.688	147.902511	80.748085	722.156	357.642523
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	71.287304	597.863	148.181742	81.155862	709.890	358.050300
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	71.697295	578.217	148.591733	81.774384	691.075	358.668822
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	72.085258	558.512	148.979696	82.387065	672.174	359.281503
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	72.448707	538.751	149.343145	82.993370	653.187	359.887808

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	72.784766	518.939	149.679204	83.592695	634.119	360.487133
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	73.090100	499.081	149.984538	84.184359	614.972	361.078797
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	73.360812	479.182	150.255250	84.767589	595.748	361.662027
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	73.592328	459.247	150.486766	85.341505	576.451	362.235943
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	73.779237	439.283	150.673675	85.905100	557.083	362.799538
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	73.915104	419.296	150.809542	86.457219	537.646	363.351657
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	73.992209	399.295	150.886647	86.996525	518.145	363.890963
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	74.001220	379.288	150.895658	87.521469	498.581	364.415907
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	73.930760	359.284	150.825198	88.030241	478.958	364.924679
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	73.766820	339.297	150.661258	88.520714	459.280	365.415152
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	73.491978	319.340	150.386416	88.990373	439.549	365.884811
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	73.084323	299.431	149.978761	89.436224	419.769	366.330662
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	72.515957	279.591	149.410395	89.854667	399.944	366.749105
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	71.750898	259.847	148.645336	90.241345	380.077	367.135783
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	70.742073	240.235	147.636511	90.590929	360.173	367.485367
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	69.426974	220.802	146.321412	90.896831	340.236	367.791270
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	67.721299	201.609	144.615737	91.150818	320.272	368.045256

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	65.509618	182.746	142.404056	91.342458	300.286	368.236896
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	62.631747	164.336	139.526185	91.458346	280.286	368.352784
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	58.863605	146.561	135.758043	91.480970	260.278	368.375408
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	53.893104	129.694	130.787542	91.387024	240.274	368.281462
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	47.299741	114.149	124.194179	91.144823	220.286	368.039261
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	38.572034	100.551	115.466472	90.710226	200.330	367.604664
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	27.253802	89.796	104.148240	90.019962	180.429	366.914400
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	13.348748	83.005	90.243186	88.980264	160.615	365.874702
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	397.858643	81.181	74.753081	87.446599	140.939	364.341037
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	382.689909	84.647	59.584347	85.185561	121.479	362.079999
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	369.547126	92.811	46.441564	81.799074	102.371	358.693512
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	359.077513	104.575	35.971951	76.565380	83.869	353.459818
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	351.079144	118.870	27.973582	68.099749	66.496	344.994187
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	345.049023	134.887	21.943461	53.747581	51.421	330.642019
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	340.497252	152.077	17.391690	29.786439	41.258	306.680877
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	337.038531	170.076	13.932969	398.157259	39.955	275.051697
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	334.391208	188.645	11.285646	371.553365	48.237	248.447803

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	332.353750	207.624	9.248188	355.101939	62.394	231.996377
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	330.781856	226.900	7.676294	345.463132	79.337	222.357570
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	329.571139	246.396	6.465577	339.580419	97.618	216.474857
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	328.645006	266.054	5.539444	335.813138	116.604	212.707576
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	327.946385	285.831	4.840823	333.314074	135.991	210.208512
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	327.432090	305.696	4.326528	331.623214	155.622	208.517652
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	327.068960	325.622	3.963398	330.474859	175.406	207.369297
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	326.831177	345.590	3.725615	329.706610	195.289	206.601048
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	326.698382	365.584	3.592820	329.214268	215.233	206.108706
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	326.654327	385.590	3.548765	328.928177	235.215	205.822615
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	326.661159	395.454	3.555597	328.847690	245.075	205.742128
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	326.685623	405.596	3.580061	328.799671	255.217	205.694109
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	326.775308	425.595	3.669746	328.784696	275.224	205.679134
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	326.903790	445.584	3.798228	328.842497	295.230	205.736935
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	327.054623	465.563	3.949061	328.942313	315.232	205.836751
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	327.214086	485.535	4.108524	329.060731	335.231	205.955169
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	327.358546	503.920	4.252984	329.170511	353.641	206.064949

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	327.370633	505.506	4.265071	329.179615	355.229	206.074053
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	327.515364	525.479	4.409802	329.285945	375.227	206.180383
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	327.643374	545.458	4.537812	329.373058	395.228	206.267496
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	327.750960	565.444	4.645398	329.436270	415.232	206.330708
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	327.834920	585.438	4.729358	329.471758	435.239	206.366196
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	327.892474	605.438	4.786912	329.476371	455.246	206.370809
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	327.921196	625.444	4.815634	329.447492	475.253	206.341930
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	327.922274	640.934	4.816712	329.400727	490.739	206.295165
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	327.918973	645.452	4.813411	329.382941	495.255	206.277379
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	327.885345	665.457	4.779783	329.282686	515.247	206.177124
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	327.822718	685.453	4.717156	329.150299	535.225	206.044737
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	327.733574	705.437	4.628012	328.989272	555.185	205.883710
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	327.620121	725.404	4.514559	328.802611	575.124	205.697049
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	327.484334	745.350	4.378772	328.592920	595.038	205.487358
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	327.327983	765.272	4.222421	328.362463	614.926	205.256901
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	327.152658	785.165	4.047096	328.113218	634.783	205.007656
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	326.959792	805.028	3.854230	327.846923	654.609	204.741361

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 796.850 Dis= -81.082 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	326.750680	824.855	3.645118	327.565106	674.399	204.459544
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	326.526491	844.646	3.420929	327.269122	694.152	204.163560
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	326.372618	857.536	3.267056	327.068966	707.018	203.963404
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	326.288327	864.397	3.182765	326.960216	713.866	203.854654
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	326.039169	884.110	2.933607	326.641882	733.544	203.536320
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	325.784615	903.796	2.679053	326.320698	753.197	203.215136
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	325.530001	923.467	2.424439	326.002829	772.839	202.897267
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	325.280209	943.137	2.174647	325.693827	792.483	202.588265
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	325.234033	946.846	2.128471	325.636989	796.188	202.531427
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	325.039299	962.817	1.933737	325.398208	812.141	202.292646
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	324.808038	982.511	1.702476	325.116561	831.816	202.010999
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	324.585869	1002.217	1.480307	324.847934	851.506	201.742372
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	324.372271	1021.935	1.266709	324.591455	871.211	201.485893
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	324.166761	1041.663	1.061199	324.346324	890.929	201.240762
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	324.060141	1052.206	0.954579	324.219776	901.467	201.114214

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	74.947064	915.410	180.051861	77.225809	1029.809	382.330606
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	75.413681	896.536	180.518478	77.681835	1011.184	382.786632
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	75.900340	877.712	181.005137	78.154950	992.613	383.259747
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	76.408300	858.942	181.513097	78.646078	974.099	383.750875
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	76.938920	840.229	182.043717	79.156205	955.645	384.261002
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	77.341701	826.598	182.446498	79.541462	942.204	384.646259
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	77.493655	821.577	182.598452	79.686369	937.254	384.791166
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	78.072126	802.980	183.176923	80.236000	918.921	385.340797
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	78.670263	784.414	183.775060	80.801344	900.617	385.906141
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	79.283237	765.850	184.388034	81.378025	882.311	386.482822
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	79.905764	747.260	185.010562	81.961317	863.972	387.066114
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	80.532023	728.615	185.636820	82.546075	845.569	387.650872
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	80.748085	722.156	185.852882	82.747421	839.191	387.852218
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	81.155862	709.890	186.260659	83.126932	827.073	388.231729
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	81.774384	691.075	186.879181	83.701326	808.476	388.806123
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	82.387065	672.174	187.491862	84.268720	789.779	389.373517
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	82.993370	653.187	188.098167	84.828567	770.985	389.933364

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	83.592695	634.119	188.697492	85.380259	752.097	390.485056
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	84.184359	614.972	189.289156	85.923122	733.118	391.027919
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	84.767589	595.748	189.872386	86.456409	714.050	391.561206
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	85.341505	576.451	190.446302	86.979282	694.898	392.084079
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	85.905100	557.083	191.009897	87.490807	675.662	392.595604
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	86.457219	537.646	191.562016	87.989934	656.348	393.094731
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	86.996525	518.145	192.101322	88.475481	636.958	393.580278
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	87.521469	498.581	192.626266	88.946112	617.495	394.050909
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	88.030241	478.958	193.135038	89.400311	597.963	394.505108
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	88.520714	459.280	193.625511	89.836349	578.365	394.941146
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	88.990373	439.549	194.095170	90.252252	558.705	395.357049
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	89.436224	419.769	194.541021	90.645746	538.987	395.750544
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	89.854667	399.944	194.959464	91.014209	519.216	396.119006
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	90.241345	380.077	195.346142	91.354594	499.394	396.459391
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	90.590929	360.173	195.695726	91.663344	479.528	396.768141
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	90.896831	340.236	196.001629	91.936281	459.622	397.041078
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	91.150818	320.272	196.255615	92.168466	439.682	397.273263

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	91.342458	300.286	196.447255	92.354017	419.713	397.458814
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	91.458346	280.286	196.563143	92.485881	399.724	397.590678
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	91.480970	260.278	196.585767	92.555524	379.721	397.660321
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	91.387024	240.274	196.491821	92.552536	359.713	397.657333
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	91.144823	220.286	196.249620	92.464087	339.712	397.568884
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	90.710226	200.330	195.815023	92.274202	319.728	397.378999
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	90.019962	180.429	195.124759	91.962753	299.778	397.067550
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	88.980264	160.615	194.085062	91.504061	279.880	396.608858
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	87.446599	140.939	192.551396	90.864910	260.057	395.969707
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	85.185561	121.479	190.290358	90.001672	240.339	395.106469
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	81.799074	102.371	186.903871	88.856111	220.765	393.960908
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	76.565380	83.869	181.670177	87.349114	201.390	392.453911
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	68.099749	66.496	173.204546	85.371246	182.289	390.476043
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	53.747581	51.421	158.852378	82.768424	163.568	387.873221
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	29.786439	41.258	134.891236	79.320453	145.387	384.425250
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	398.157259	39.955	103.262056	74.710586	127.986	379.815383
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	371.553365	48.237	76.658162	68.489564	111.743	373.594361

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	355.101939	62.394	60.206736	60.060510	97.249	365.165307
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	345.463132	79.337	50.567929	48.779910	85.409	353.884707
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	339.580419	97.618	44.685216	34.379358	77.456	339.484155
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	335.813138	116.604	40.917935	17.747084	74.649	322.851881
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	333.314074	135.991	38.418871	1.136139	77.549	306.240936
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	331.623214	155.622	36.728011	386.784363	85.577	291.889160
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	330.474859	175.406	35.579656	375.555261	97.471	280.660058
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	329.706610	195.289	34.811407	367.168290	112.000	272.273087
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	329.214268	215.233	34.319065	360.978489	128.267	266.083286
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	328.928177	235.215	34.032974	356.391150	145.683	261.495947
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	328.847690	245.075	33.952487	354.577044	154.572	259.681841
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	328.799671	255.217	33.904468	352.958816	163.874	258.063613
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	328.784696	275.224	33.889493	350.352892	182.587	255.457689
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	328.842497	295.230	33.947294	348.333222	201.646	253.438019
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	328.942313	315.232	34.047110	346.731759	220.937	251.836556
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	329.060731	335.231	34.165528	345.429624	240.381	250.534421
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	329.170511	353.641	34.275308	344.421434	258.373	249.526231

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	329.179615	355.229	34.284412	344.341230	259.928	249.446027
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	329.285945	375.227	34.390742	343.405465	279.539	248.510262
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	329.373058	395.228	34.477855	342.581550	299.194	247.686348
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	329.436270	415.232	34.541067	341.839420	318.875	246.944217
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	329.471758	435.239	34.576555	341.155879	338.570	246.260676
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	329.476371	455.246	34.581168	340.512775	358.266	245.617572
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	329.447492	475.253	34.552289	339.895714	377.953	245.000511
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	329.400727	490.739	34.505524	339.428463	393.182	244.533260
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	329.382941	495.255	34.487738	339.293168	397.621	244.397965
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	329.282686	515.247	34.387483	338.697972	417.263	243.802769
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	329.150299	535.225	34.255096	338.108587	436.877	243.213384
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	328.989272	555.185	34.094069	337.524258	456.460	242.629055
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	328.802611	575.124	33.907408	336.944353	476.012	242.049150
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	328.592920	595.038	33.697717	336.368342	495.531	241.473139
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	328.362463	614.926	33.467260	335.795777	515.016	240.900574
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	328.113218	634.783	33.218015	335.226274	534.466	240.331072
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	327.846923	654.609	32.951720	334.659508	553.878	239.764305

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 PROYECTO :
 EJE : 13 : Autovía MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 932.530 Dis= -39.203 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	327.565106	674.399	32.669903	334.095193	573.252	239.199990
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	327.269122	694.152	32.373919	333.533087	592.587	238.637884
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	327.068966	707.018	32.173763	333.167462	605.179	238.272259
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	326.960216	713.866	32.065013	332.973026	611.881	238.077823
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	326.641882	733.544	31.746679	332.417582	631.140	237.522379
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	326.320698	753.197	31.425495	331.872942	650.382	236.977739
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	326.002829	772.839	31.107626	331.344893	669.627	236.449691
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	325.693827	792.483	30.798624	330.838592	688.892	235.943389
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	325.636989	796.188	30.741786	330.745971	692.527	235.850768
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	325.398208	812.141	30.503005	330.358095	708.193	235.462892
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	325.116561	831.816	30.221358	329.903111	727.532	235.007908
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	324.847934	851.506	29.952731	329.471710	746.906	234.576507
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	324.591455	871.211	29.696252	329.062141	766.313	234.166938
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	324.346324	890.929	29.451121	328.672820	785.750	233.777617
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	324.219776	901.467	29.324573	328.472647	796.144	233.577444

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 PROYECTO :
 EJE : 13 : Autovía MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	77.225809	1029.809	142.366329	83.505925	1122.002	348.646445
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	77.681835	1011.184	142.822355	84.027416	1104.192	349.167936
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	78.154950	992.613	143.295470	84.565967	1086.459	349.706487
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	78.646078	974.099	143.786598	85.122350	1068.806	350.262870
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	79.156205	955.645	144.296725	85.697374	1051.238	350.837894
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	79.541462	942.204	144.681982	86.129699	1038.460	351.270219
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	79.686369	937.254	144.826889	86.291880	1033.758	351.432400
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	80.236000	918.921	145.376520	86.905312	1016.358	352.045832
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	80.801344	900.617	145.941864	87.534400	999.003	352.674920
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	81.378025	882.311	146.518545	88.175399	981.657	353.315919
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	81.961317	863.972	147.101837	88.824326	964.280	353.964846
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	82.546075	845.569	147.686595	89.476908	946.834	354.617428
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	82.747421	839.191	147.887941	89.702372	940.784	354.842892
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	83.126932	827.073	148.267452	90.128749	929.283	355.269269
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	83.701326	808.476	148.841846	90.777890	911.613	355.918410
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	84.268720	789.779	149.409240	91.424116	893.827	356.564636
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	84.828567	770.985	149.969087	92.067231	875.927	357.207751

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	85.380259	752.097	150.520779	92.707018	857.916	357.847538
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	85.923122	733.118	151.063643	93.343241	839.796	358.483762
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	86.456409	714.050	151.596929	93.975643	821.569	359.116163
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	86.979282	694.898	152.119802	94.603939	803.238	359.744459
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	87.490807	675.662	152.631327	95.227817	784.805	360.368337
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	87.989934	656.348	153.130454	95.846933	766.274	360.987453
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	88.475481	636.958	153.616001	96.460904	747.645	361.601424
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	88.946112	617.495	154.086632	97.069308	728.923	362.209829
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	89.400311	597.963	154.540831	97.671676	710.109	362.812196
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	89.836349	578.365	154.976869	98.267483	691.206	363.408003
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	90.252252	558.705	155.392772	98.856141	672.218	363.996661
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	90.645746	538.987	155.786267	99.436994	653.145	364.577514
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	91.014209	519.216	156.154730	100.009300	633.993	365.149820
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	91.354594	499.394	156.495114	100.572222	614.762	365.712742
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	91.663344	479.528	156.803864	101.124808	595.456	366.265328
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	91.936281	459.622	157.076801	101.665977	576.078	366.806498
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	92.168466	439.682	157.308986	102.194491	556.630	367.335011

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	92.354017	419.713	157.494537	102.708925	537.117	367.849445
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	92.485881	399.724	157.626401	103.207636	517.540	368.348156
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	92.555524	379.721	157.696044	103.688713	497.904	368.829233
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	92.552536	359.713	157.693056	104.149926	478.211	369.290446
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	92.464087	339.712	157.604608	104.588652	458.465	369.729172
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	92.274202	319.728	157.414722	105.001790	438.671	370.142310
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	91.962753	299.778	157.103273	105.385642	418.831	370.526162
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	91.504061	279.880	156.644582	105.735766	398.950	370.876286
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	90.864910	260.057	156.005430	106.046779	379.033	371.187299
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	90.001672	240.339	155.142192	106.312095	359.085	371.452616
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	88.856111	220.765	153.996631	106.523576	339.111	371.664096
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	87.349114	201.390	152.489634	106.671039	319.118	371.811559
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	85.371246	182.289	150.511766	106.741591	299.113	371.882111
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	82.768424	163.568	147.908944	106.718662	279.106	371.859182
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	79.320453	145.387	144.460973	106.580615	259.107	371.721135
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	74.710586	127.986	139.851106	106.298678	239.130	371.439198
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	68.489564	111.743	133.630084	105.833794	219.192	370.974314

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	60.060510	97.249	125.201030	105.131684	199.318	370.272204
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	48.779910	85.409	113.920430	104.114846	179.540	369.255366
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	34.379358	77.456	99.519878	102.669137	159.906	367.809657
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	17.747084	74.649	82.887604	100.620364	140.489	365.760884
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	1.136139	77.549	66.276659	97.691833	121.404	362.832353
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	386.784363	85.577	51.924883	93.424815	102.851	358.565335
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	375.555261	97.471	40.695781	87.029083	85.189	352.169603
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	367.168290	112.000	32.308810	77.132115	69.118	342.272635
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	360.978489	128.267	26.119009	61.608974	56.035	326.749494
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	356.391150	145.683	21.531670	38.871813	48.435	304.012334
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	354.577044	154.572	19.717564	25.816720	47.592	290.957240
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	352.958816	163.874	18.099336	12.532429	48.944	277.672949
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	350.352892	182.587	15.493412	390.579236	57.313	255.719756
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	348.333222	201.646	13.473742	375.724778	70.749	240.865298
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	346.731759	220.937	11.872280	366.113660	86.888	231.254180
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	345.429624	240.381	10.570144	359.700364	104.447	224.840884
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	344.421434	258.373	9.561954	355.508833	121.309	220.649353

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	344.341230	259.928	9.481750	355.201926	122.785	220.342446
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	343.405465	279.539	8.545985	351.884814	141.577	217.025334
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	342.581550	299.194	7.722071	349.330254	160.648	214.470774
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	341.839420	318.875	6.979940	347.285723	179.897	212.426243
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	341.155879	338.570	6.296399	345.591251	199.260	210.731771
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	340.512775	358.266	5.653295	344.141400	218.695	209.281920
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	339.895714	377.953	5.036234	342.864199	238.171	208.004719
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	339.428463	393.182	4.568983	341.961264	253.265	207.101784
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	339.293168	397.621	4.433688	341.709032	257.668	206.849552
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	338.697972	417.263	3.838492	340.642597	277.168	205.783117
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	338.108587	436.877	3.249107	339.646613	296.666	204.787133
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	337.524258	456.460	2.664778	338.708034	316.158	203.848554
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	336.944353	476.012	2.084873	337.816837	335.639	202.957357
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	336.368342	495.531	1.508862	336.965200	355.106	202.105720
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	335.795777	515.016	0.936297	336.146930	374.557	201.287450
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	335.226274	534.466	0.366795	335.357057	393.989	200.497577
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	334.659508	553.878	399.800028	334.591554	413.399	199.732074

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 PROYECTO :
 EJE : 13 : Autovía MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 1039.834 Dis= -74.619 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	334.095193	573.252	399.235713	333.847116	432.786	198.987636
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	333.533087	592.587	398.673607	333.121010	452.147	198.261530
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	333.167462	605.179	398.307982	332.656085	464.763	197.796605
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	332.973026	611.881	398.113546	332.411024	471.481	197.551544
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	332.417582	631.140	397.558103	331.718794	490.793	196.859314
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	331.872942	650.382	397.013462	331.050737	510.099	196.191257
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	331.344893	669.627	396.485414	330.412745	529.418	195.553265
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	330.838592	688.892	395.979112	329.809910	548.764	194.950430
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	330.745971	692.527	395.886491	329.700581	552.415	194.841101
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	330.358095	708.193	395.498615	329.245961	568.150	194.386481
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	329.903111	727.532	395.043631	328.719258	587.579	193.859778
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	329.471710	746.906	394.612230	328.226302	607.045	193.366822
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	329.062141	766.313	394.202661	327.764006	626.545	192.904526
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	328.672820	785.750	393.813340	327.329638	646.077	192.470158
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	328.472647	796.144	393.613167	327.108204	656.522	192.248724

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 PROYECTO :
 EJE : 13 : Autovía MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 1336.681 Dis= -47.447 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	253.643172	0.000	518195.477	4068222.175	83.505925	1122.002	153.222801	89.315109	1253.649	359.031985
RECTA	20.000	253.643172	0.000	518180.549	4068208.865	84.027416	1104.192	153.744291	89.862484	1236.746	359.579359
RECTA	40.000	253.643172	0.000	518165.621	4068195.555	84.565967	1086.459	154.282843	90.424985	1219.938	360.141860
RECTA	60.000	253.643172	0.000	518150.693	4068182.245	85.122350	1068.806	154.839225	91.003156	1203.227	360.720032
RECTA	80.000	253.643172	0.000	518135.766	4068168.935	85.697374	1051.238	155.414250	91.597563	1186.618	361.314438
CLOT.	94.610	253.643172	0.000	518124.861	4068159.212	86.129699	1038.460	155.846574	92.042371	1174.553	361.759247
CLOT.	100.000	253.652519	0.000	518120.838	4068155.625	86.291880	1033.758	156.008756	92.208778	1170.116	361.925654
CLOT.	120.000	253.850580	0.000	518105.892	4068142.335	86.905312	1016.358	156.622188	92.836200	1153.709	362.553076
CLOT.	140.000	254.306028	0.000	518090.878	4068129.122	87.534400	999.003	157.251276	93.476988	1137.357	363.193863
CLOT.	160.000	255.018863	0.000	518075.743	4068116.048	88.175399	981.657	157.892275	94.127943	1121.017	363.844818
CLOT.	180.000	255.989086	0.000	518060.437	4068103.175	88.824326	964.280	158.541202	94.785712	1104.643	364.502588
CLOT.	200.000	257.216695	0.000	518044.911	4068090.568	89.476908	946.834	159.193783	95.446745	1088.190	365.163620
CIRC.	206.909	257.700606	0.000	518039.488	4068086.287	89.702372	940.784	159.419247	95.675184	1082.479	365.392060
CIRC.	220.000	258.646557	0.000	518029.123	4068078.291	90.128749	929.283	159.845625	96.107431	1071.615	365.824307
CIRC.	240.000	260.091778	0.000	518013.060	4068066.376	90.777890	911.613	160.494765	96.766192	1054.904	366.483068
CIRC.	260.000	261.536999	0.000	517996.731	4068054.829	91.424116	893.827	161.140992	97.422888	1038.059	367.139764
CIRC.	280.000	262.982219	0.000	517980.144	4068043.655	92.067231	875.927	161.784107	98.077402	1021.080	367.794277

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 1336.681 Dis= -47.447 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	264.427440	0.000	517963.308	4068032.860	92.707018	857.916	162.423894	98.729603	1003.972	368.446478
CIRC.	320.000	265.872661	0.000	517946.231	4068022.451	93.343241	839.796	163.060117	99.379353	986.735	369.096228
CIRC.	340.000	267.317882	0.000	517928.922	4068012.432	93.975643	821.569	163.692519	100.026502	969.372	369.743378
CIRC.	360.000	268.763103	0.000	517911.390	4068002.808	94.603939	803.238	164.320815	100.670890	951.886	370.387765
CIRC.	380.000	270.208324	0.000	517893.644	4067993.585	95.227817	784.805	164.944693	101.312338	934.279	371.029214
CIRC.	400.000	271.653544	0.000	517875.694	4067984.767	95.846933	766.274	165.563808	101.950658	916.553	371.667534
CIRC.	420.000	273.098765	0.000	517857.547	4067976.358	96.460904	747.645	166.177780	102.585642	898.711	372.302518
CIRC.	440.000	274.543986	0.000	517839.215	4067968.364	97.069308	728.923	166.786184	103.217065	880.754	372.933941
CIRC.	460.000	275.989207	0.000	517820.706	4067960.788	97.671676	710.109	167.388552	103.844679	862.686	373.561555
CIRC.	480.000	277.434428	0.000	517802.030	4067953.634	98.267483	691.206	167.984358	104.468217	844.509	374.185093
CIRC.	500.000	278.879649	0.000	517783.196	4067946.906	98.856141	672.218	168.573017	105.087382	826.225	374.804258
CIRC.	520.000	280.324869	0.000	517764.214	4067940.607	99.436994	653.145	169.153870	105.701852	807.837	375.418728
CIRC.	540.000	281.770090	0.000	517745.094	4067934.740	100.009300	633.993	169.726176	106.311269	789.347	376.028145
CIRC.	560.000	283.215311	0.000	517725.846	4067929.310	100.572222	614.762	170.289097	106.915241	770.759	376.632117
CIRC.	580.000	284.660532	0.000	517706.480	4067924.317	101.124808	595.456	170.841684	107.513333	752.073	377.230209
CIRC.	600.000	286.105753	0.000	517687.005	4067919.765	101.665977	576.078	171.382853	108.105063	733.294	377.821939
CIRC.	620.000	287.550973	0.000	517667.432	4067915.657	102.194491	556.630	171.911367	108.689896	714.424	378.406772

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 1336.681 Dis= -47.447 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	288.996194	0.000	517647.771	4067911.994	102.708925	537.117	172.425801	109.267235	695.465	378.984111
CIRC.	660.000	290.441415	0.000	517628.031	4067908.778	103.207636	517.540	172.924512	109.836412	676.421	379.553288
CIRC.	680.000	291.886636	0.000	517608.224	4067906.011	103.688713	497.904	173.405589	110.396678	657.293	380.113554
CIRC.	700.000	293.331857	0.000	517588.359	4067903.694	104.149926	478.211	173.866801	110.947191	638.085	380.664067
CIRC.	720.000	294.777078	0.000	517568.447	4067901.829	104.588652	458.465	174.305528	111.486998	618.800	381.203874
CIRC.	740.000	296.222298	0.000	517548.497	4067900.417	105.001790	438.671	174.718666	112.015021	599.441	381.731897
CIRC.	760.000	297.667519	0.000	517528.521	4067899.457	105.385642	418.831	175.102518	112.530030	580.010	382.246905
CIRC.	780.000	299.112740	0.000	517508.527	4067898.952	105.735766	398.950	175.452642	113.030620	560.512	382.747496
CIRC.	800.000	300.557961	0.000	517488.528	4067898.900	106.046779	379.033	175.763655	113.515178	540.948	383.232054
CIRC.	820.000	302.003182	0.000	517468.532	4067899.302	106.312095	359.085	176.028971	113.981841	521.323	383.698717
CIRC.	840.000	303.448403	0.000	517448.551	4067900.158	106.523576	339.111	176.240451	114.428448	501.640	384.145324
CIRC.	860.000	304.893623	0.000	517428.595	4067901.468	106.671039	319.118	176.387915	114.852477	481.902	384.569352
CIRC.	880.000	306.338844	0.000	517408.673	4067903.230	106.741591	299.113	176.458467	115.250967	462.114	384.967842
CIRC.	900.000	307.784065	0.000	517388.796	4067905.443	106.718662	279.106	176.435538	115.620419	442.279	385.337295
CIRC.	920.000	309.229286	0.000	517368.975	4067908.108	106.580615	259.107	176.297490	115.956670	422.402	385.673545
CIRC.	940.000	310.674507	0.000	517349.219	4067911.222	106.298678	239.130	176.015553	116.254723	402.488	385.971599
CIRC.	960.000	312.119727	0.000	517329.539	4067914.783	105.833794	219.192	175.550670	116.508537	382.542	386.225413

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 1336.681 Dis= -47.447 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	313.564948	0.000	517309.945	4067918.790	105.131684	199.318	174.848560	116.710736	362.569	386.427612
CIRC.	1000.000	315.010169	0.000	517290.447	4067923.241	104.114846	179.540	173.831722	116.852223	342.577	386.569098
CIRC.	1020.000	316.455390	0.000	517271.055	4067928.133	102.669137	159.906	172.386013	116.921652	322.573	386.638528
CIRC.	1040.000	317.900611	0.000	517251.779	4067933.465	100.620364	140.489	170.337240	116.904701	302.566	386.621577
CIRC.	1060.000	319.345832	0.000	517232.629	4067939.232	97.691833	121.404	167.408709	116.783033	282.566	386.499909
CIRC.	1080.000	320.791052	0.000	517213.615	4067945.433	93.424815	102.851	163.141691	116.532816	262.587	386.249692
CIRC.	1100.000	322.236273	0.000	517194.747	4067952.063	87.029083	85.189	156.745959	116.122533	242.646	385.839409
CIRC.	1120.000	323.681494	0.000	517176.034	4067959.121	77.132115	69.118	146.848990	115.509697	222.764	385.226573
CIRC.	1140.000	325.126715	0.000	517157.486	4067966.601	61.608974	56.035	131.325850	114.635766	202.970	384.352642
CIRC.	1160.000	326.571936	0.000	517139.112	4067974.500	38.871813	48.435	108.588689	113.418073	183.306	383.134948
CLOT.	1169.861	327.284475	0.000	517130.121	4067978.548	25.816720	47.592	95.533595	112.656446	173.675	382.373322
CLOT.	1180.000	327.982938	0.000	517120.922	4067982.813	12.532429	48.944	82.249305	111.737294	163.829	381.454170
CLOT.	1200.000	329.160028	0.000	517102.906	4067991.497	390.579236	57.313	60.296112	109.431814	144.613	379.148690
CLOT.	1220.000	330.070844	0.000	517085.035	4068000.475	375.724778	70.749	45.441654	106.269569	125.760	375.986444
CLOT.	1240.000	330.715385	0.000	517067.274	4068009.671	366.113660	86.888	35.830535	101.876185	107.430	371.593061
CLOT.	1260.000	331.093651	0.000	517049.588	4068019.009	359.700364	104.447	29.417240	95.622941	89.902	365.339817
CLOT.	1278.412	331.206482	0.000	517033.340	4068027.667	355.508833	121.309	25.225709	87.307289	74.919	357.024165

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 1336.681 Dis= -47.447 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1280.000	331.205994	0.000	517031.938	4068028.415	355.201926	122.785	24.918802	86.434071	73.700	356.150947
CLOT.	1300.000	331.116293	0.000	517014.289	4068037.822	351.884814	141.577	21.601690	72.568400	59.847	342.285276
CLOT.	1320.000	330.871778	0.000	516996.614	4068047.183	349.330254	160.648	19.047130	52.090094	50.271	321.806970
CLOT.	1340.000	330.472449	0.000	516978.893	4068056.454	347.285723	179.897	17.002598	26.102581	47.580	295.819457
CLOT.	1360.000	329.918306	0.000	516961.103	4068065.592	345.591251	199.260	15.308127	1.410017	52.790	271.126892
CLOT.	1380.000	329.209349	0.000	516943.223	4068074.553	344.141400	218.695	13.858276	383.165858	63.965	252.882734
CLOT.	1400.000	328.345579	0.000	516925.233	4068083.292	342.864199	238.171	12.581075	370.866060	78.570	240.582935
CIRC.	1415.484	327.570531	0.000	516911.220	4068089.877	341.961264	253.265	11.678139	364.105126	91.188	233.822001
CIRC.	1420.000	327.330941	0.000	516907.117	4068091.765	341.709032	257.668	11.425908	362.456640	95.009	232.173516
CIRC.	1440.000	326.269908	0.000	516888.863	4068099.938	340.642597	277.168	10.359473	356.430736	112.463	226.147612
CIRC.	1460.000	325.208875	0.000	516870.476	4068107.806	339.646613	296.666	9.363489	351.902334	130.521	221.619210
CIRC.	1480.000	324.147842	0.000	516851.960	4068115.366	338.708034	316.158	8.424909	348.354266	148.958	218.071142
CIRC.	1500.000	323.086810	0.000	516833.321	4068122.616	337.816837	335.639	7.533713	345.474779	167.646	215.191655
CIRC.	1520.000	322.025777	0.000	516814.564	4068129.555	336.965200	355.106	6.682076	343.068329	186.504	212.785204
CIRC.	1540.000	320.964744	0.000	516795.693	4068136.180	336.146930	374.557	5.863805	341.007374	205.481	210.724249
CIRC.	1560.000	319.903711	0.000	516776.715	4068142.490	335.357057	393.989	5.073933	339.205725	224.543	208.922601
CIRC.	1580.000	318.842678	0.000	516757.634	4068148.483	334.591554	413.399	4.308429	337.603292	243.665	207.320167

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 1168.820 Dis= -47.561 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 1336.681 Dis= -47.447 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1600.000	317.781645	0.000	516738.456	4068154.157	333.847116	432.786	3.563991	336.157013	262.829	205.873889
CIRC.	1620.000	316.720612	0.000	516719.186	4068159.510	333.121010	452.147	2.837886	334.835291	282.022	204.552167
CLOT.	1633.048	316.028405	0.000	516706.567	4068162.829	332.656085	464.763	2.372961	334.028612	294.553	203.745487
CLOT.	1640.000	315.673711	0.000	516699.830	4068164.542	332.411024	471.481	2.127899	333.614547	301.233	203.331423
CLOT.	1660.000	314.810940	0.000	516680.399	4068169.279	331.718794	490.793	1.435670	332.482124	320.462	202.198999
CLOT.	1680.000	314.182077	0.000	516660.914	4068173.788	331.050737	510.099	0.767613	331.435748	339.721	201.152624
CLOT.	1700.000	313.787122	0.000	516641.393	4068178.140	330.412745	529.418	0.129621	330.474265	359.021	200.191141
CLOT.	1720.000	313.626074	0.000	516621.854	4068182.407	329.809910	548.764	399.526786	329.596805	378.374	199.313681
RECTA	1723.770	313.621918	0.000	516618.169	4068183.208	329.700581	552.415	399.417456	329.440751	382.028	199.157626
RECTA	1740.000	313.621918	0.000	516602.310	4068186.654	329.245961	568.150	398.962836	328.801694	397.786	198.518570
RECTA	1760.000	313.621918	0.000	516582.766	4068190.901	328.719258	587.579	398.436133	328.080666	417.255	197.797541
RECTA	1780.000	313.621918	0.000	516563.222	4068195.148	328.226302	607.045	397.943178	327.423998	436.772	197.140874
RECTA	1800.000	313.621918	0.000	516543.678	4068199.395	327.764006	626.545	397.480881	326.823565	456.332	196.540440
RECTA	1820.000	313.621918	0.000	516524.134	4068203.642	327.329638	646.077	397.046514	326.272533	475.929	195.989409
RECTA	1830.684	313.621918	0.000	516513.694	4068205.910	327.108204	656.522	396.825080	325.996389	486.411	195.713265

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GRUPO 1

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 PROYECTO :
 EJE : 1 : Glorieta Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 11.750 Dis= 112.617 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 15.505 Dis= 247.339 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	25.000000	0.000	517376.357	4067806.465	293.741762	115.504	209.943485	288.344911	251.794	4.546633

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PROYECTO :
EJE : 1 : Glorieta Sur

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
D : Reduccion al nivel del mar:NO
D : Paso de la cuerda al arco :NO
D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 15.505 Dis= 247.339 K : 0.999603828
BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 16.922 Dis= 439.054 K : 0.999603909

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	25.000000	0.000	517376.357	4067806.465	288.344911	251.794	203.590566	286.789074	444.167	2.034729

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 PROYECTO :
 EJE : 1 : Glorieta Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 16.922 Dis= 439.054 K : 0.999603909
 Distancia: 461.400 Azimut: 296.320546
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 57.930 Dis= 23.381 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	25.000000	0.000	517376.357	4067806.465	286.789074	444.167	390.468527	175.735514	69.874	79.414968
CIRC.	20.000	382.558682	0.000	517377.521	4067826.062	289.534655	439.396	393.214109	165.591303	52.778	69.270757
CIRC.	40.000	340.117364	0.000	517366.318	4067842.184	292.055916	448.164	395.735369	168.105514	33.208	71.784968
CIRC.	60.000	297.676046	0.000	517347.545	4067847.926	293.153591	466.153	396.833044	207.669983	23.553	111.349437
CIRC.	80.000	255.234727	0.000	517329.241	4067840.830	292.485336	485.148	396.164790	238.606408	37.096	142.285862
CIRC.	100.000	212.793409	0.000	517319.244	4067823.934	290.487146	497.315	394.166600	237.017010	56.702	140.696464
CIRC.	120.000	170.352091	0.000	517321.835	4067804.474	287.976430	498.037	391.655884	225.696236	72.693	129.375689
CIRC.	140.000	127.910773	0.000	517335.905	4067790.783	285.872216	487.049	389.551670	211.320338	81.838	114.999791
CIRC.	160.000	85.469455	0.000	517355.428	4067788.724	285.014964	468.493	388.694418	196.109009	82.762	99.788462
CIRC.	180.000	43.028137	0.000	517372.045	4067799.178	285.905441	449.933	389.584895	181.418110	75.336	85.097564
CIRC.	188.496	25.000000	0.000	517376.357	4067806.465	286.789074	444.167	390.468527	175.735514	69.874	79.414968

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 PROYECTO :
 EJE : 1 : Glorieta Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 57.930 Dis= 23.381 K : 0.999603710
 Distancia: 415.468 Azimut: 322.139698
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 92.086 Dis= 404.827 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	25.000000	0.000	517376.357	4067806.465	175.735514	69.874	253.595816	129.291096	464.938	7.151398
CIRC.	20.000	382.558682	0.000	517377.521	4067826.062	165.591303	52.778	243.451605	126.774827	457.634	4.635129
CIRC.	40.000	340.117364	0.000	517366.318	4067842.184	168.105514	33.208	245.965816	125.309760	440.936	3.170062
CIRC.	60.000	297.676046	0.000	517347.545	4067847.926	207.669983	23.553	285.530286	125.608137	421.400	3.468439
CIRC.	80.000	255.234727	0.000	517329.241	4067840.830	238.606408	37.096	316.466710	127.748699	407.560	5.609001
CIRC.	100.000	212.793409	0.000	517319.244	4067823.934	237.017010	56.702	314.877312	130.813745	406.101	8.674047
CIRC.	120.000	170.352091	0.000	517321.835	4067804.474	225.696236	72.693	303.556538	133.256390	417.762	11.116692
CIRC.	140.000	127.910773	0.000	517335.905	4067790.783	211.320338	81.838	289.180640	133.962772	436.821	11.823074
CIRC.	160.000	85.469455	0.000	517355.428	4067788.724	196.109009	82.762	273.969311	132.820595	454.759	10.680897
CIRC.	180.000	43.028137	0.000	517372.045	4067799.178	181.418110	75.336	259.278412	130.449179	464.387	8.309481
CIRC.	188.496	25.000000	0.000	517376.357	4067806.465	175.735514	69.874	253.595816	129.291096	464.938	7.151398

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 PROYECTO :
 EJE : 1 : Glorieta Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 92.086 Dis= 404.827 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 92.298 Dis= 234.514 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	25.000000	0.000	517376.357	4067806.465	129.291096	464.938	399.007972	128.717272	294.574	198.434148

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 PROYECTO :
 EJE : 1 : Glorieta Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 92.298 Dis= 234.514 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 95.320 Dis= 95.292 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	25.000000	0.000	517376.357	4067806.465	128.717272	294.574	393.857792	123.164148	155.338	188.304668
CIRC.	20.000	382.558682	0.000	517377.521	4067826.062	124.697278	287.649	389.837798	115.224495	150.620	180.365015
CIRC.	40.000	340.117364	0.000	517366.318	4067842.184	122.189015	271.385	387.329535	109.147129	136.533	174.287649
CIRC.	60.000	297.676046	0.000	517347.545	4067847.926	122.445716	251.774	387.586236	107.519040	117.162	172.659560
CIRC.	80.000	255.234727	0.000	517329.241	4067840.830	125.929780	237.395	391.070300	113.374894	100.238	178.515414
CIRC.	100.000	212.793409	0.000	517319.244	4067823.934	131.197326	235.714	396.337846	125.824213	95.808	190.964733
CIRC.	120.000	170.352091	0.000	517321.835	4067804.474	135.301529	247.679	0.442049	135.880778	107.207	201.021298
CIRC.	140.000	127.910773	0.000	517335.905	4067790.783	136.311277	266.890	1.451797	137.923711	126.487	203.064231
CIRC.	160.000	85.469455	0.000	517355.428	4067788.724	134.339697	284.578	399.480217	133.832998	144.108	198.973519
CIRC.	180.000	43.028137	0.000	517372.045	4067799.178	130.545424	293.991	395.685944	126.613882	154.128	191.754402
CIRC.	188.496	25.000000	0.000	517376.357	4067806.465	128.717272	294.574	393.857792	123.164148	155.338	188.304668

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 PROYECTO :
 EJE : 2 : Glorieta Norte

pagina 1

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 90.968 Dis= 378.962 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 98.151 Dis= 227.276 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	0.000000	0.000	517396.454	4067968.215	106.484906	438.969	376.201781	92.579822	287.163	162.296698
CIRC.	20.000	357.558682	0.000	517390.031	4067986.766	103.854010	431.057	373.570886	88.270904	283.588	157.987779
CIRC.	40.000	315.117364	0.000	517373.512	4067997.373	102.379005	414.031	372.095880	85.091646	269.622	154.808522
CIRC.	60.000	272.676046	0.000	517353.970	4067995.493	102.799956	394.574	372.516832	84.402638	250.185	154.119514
CIRC.	80.000	230.234727	0.000	517339.775	4067981.933	105.167894	381.247	374.884770	87.054558	233.319	156.771434
CIRC.	100.000	187.793409	0.000	517337.004	4067962.498	108.448687	380.566	378.165563	92.233888	227.431	161.950763
CIRC.	120.000	145.352091	0.000	517346.845	4067945.510	110.967698	392.881	380.684573	97.115470	235.828	166.832345
CIRC.	140.000	102.910773	0.000	517365.083	4067938.246	111.590559	412.121	381.307435	99.143739	253.854	168.860615
CIRC.	160.000	60.469455	0.000	517383.909	4067943.815	110.273636	429.726	379.990512	97.902871	272.812	167.619747
CIRC.	180.000	18.028137	0.000	517395.260	4067959.832	107.713178	438.714	377.430053	94.408733	285.118	164.125609
CIRC.	188.496	0.000000	0.000	517396.454	4067968.215	106.484906	438.969	376.201781	92.579822	287.163	162.296698

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 PROYECTO :
 EJE : 2 : Glorieta Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 98.151 Dis= 227.276 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 114.262 Dis= 142.108 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	0.000000	0.000	517396.454	4067968.215	92.579822	287.163	357.720342	63.550389	196.632	128.690909
CIRC.	20.000	357.558682	0.000	517390.031	4067986.766	88.270904	283.588	353.411424	57.533741	202.188	122.674261
CIRC.	40.000	315.117364	0.000	517373.512	4067997.373	85.091646	269.622	350.232167	51.515915	196.647	116.656435
CIRC.	60.000	272.676046	0.000	517353.970	4067995.493	84.402638	250.185	349.543158	47.260676	181.607	112.401196
CIRC.	80.000	230.234727	0.000	517339.775	4067981.933	87.054558	233.319	352.195078	46.752557	162.015	111.893077
CIRC.	100.000	187.793409	0.000	517337.004	4067962.498	92.233888	227.431	357.374408	51.536834	146.139	116.677354
CIRC.	120.000	145.352091	0.000	517346.845	4067945.510	97.115470	235.828	362.255990	60.073307	142.826	125.213827
CIRC.	140.000	102.910773	0.000	517365.083	4067938.246	99.143739	253.854	364.284259	66.935261	154.229	132.075781
CIRC.	160.000	60.469455	0.000	517383.909	4067943.815	97.902871	272.812	363.043391	68.591658	173.402	133.732178
CIRC.	180.000	18.028137	0.000	517395.260	4067959.832	94.408733	285.118	359.549253	65.682100	191.192	130.822620
CIRC.	188.496	0.000000	0.000	517396.454	4067968.215	92.579822	287.163	357.720342	63.550389	196.632	128.690909

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 PROYECTO :
 EJE : 2 : Glorieta Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 114.262 Dis= 142.108 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 136.439 Dis= 68.240 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	0.000000	0.000	517396.454	4067968.215	63.550389	196.632	368.655186	28.254673	107.355	133.359470
CIRC.	20.000	357.558682	0.000	517390.031	4067986.766	57.533741	202.188	362.638538	21.060675	122.135	126.165472
CIRC.	40.000	315.117364	0.000	517373.512	4067997.373	51.515915	196.647	356.620712	11.554440	128.230	116.659237
CIRC.	60.000	272.676046	0.000	517353.970	4067995.493	47.260676	181.607	352.365473	1.842298	124.296	106.947095
CIRC.	80.000	230.234727	0.000	517339.775	4067981.933	46.752557	162.015	351.857354	393.918801	111.184	99.023598
CIRC.	100.000	187.793409	0.000	517337.004	4067962.498	51.536834	146.139	356.641631	390.732429	92.210	95.837226
CIRC.	120.000	145.352091	0.000	517346.845	4067945.510	60.073307	142.826	365.178104	396.974201	74.325	102.078998
CIRC.	140.000	102.910773	0.000	517365.083	4067938.246	66.935261	154.229	372.040058	13.767816	68.571	118.872613
CIRC.	160.000	60.469455	0.000	517383.909	4067943.815	68.591658	173.402	373.696455	27.574798	79.925	132.679595
CIRC.	180.000	18.028137	0.000	517395.260	4067959.832	65.682100	191.192	370.786897	29.871244	99.300	134.976041
CIRC.	188.496	0.000000	0.000	517396.454	4067968.215	63.550389	196.632	368.655186	28.254673	107.355	133.359470

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 PROYECTO :
 EJE : 2 : Glorieta Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 136.439 Dis= 68.240 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 162.150 Dis= 165.451 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	0.000000	0.000	517396.454	4067968.215	28.254673	107.355	305.149111	364.198114	177.871	41.092552
CIRC.	20.000	357.558682	0.000	517390.031	4067986.766	21.060675	122.135	297.955113	365.638853	197.048	42.533291
CIRC.	40.000	315.117364	0.000	517373.512	4067997.373	11.554440	128.230	288.448878	363.052965	214.821	39.947403
CIRC.	60.000	272.676046	0.000	517353.970	4067995.493	1.842298	124.296	278.736736	358.122884	224.641	35.017322
CIRC.	80.000	230.234727	0.000	517339.775	4067981.933	393.918801	111.184	270.813239	352.550893	223.444	29.445331
CIRC.	100.000	187.793409	0.000	517337.004	4067962.498	390.732429	92.210	267.626867	347.966541	211.584	24.860979
CIRC.	120.000	145.352091	0.000	517346.845	4067945.510	396.974201	74.325	273.868639	346.098412	192.860	22.992850
CIRC.	140.000	102.910773	0.000	517365.083	4067938.246	13.767816	68.571	290.662254	348.522482	174.505	25.416920
CIRC.	160.000	60.469455	0.000	517383.909	4067943.815	27.574798	79.925	304.469236	355.082115	165.608	31.976553
CIRC.	180.000	18.028137	0.000	517395.260	4067959.832	29.871244	99.300	306.765682	362.162628	171.502	39.057066
CIRC.	188.496	0.000000	0.000	517396.454	4067968.215	28.254673	107.355	305.149111	364.198114	177.871	41.092552

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 PROYECTO :
 EJE : 2 : Glorieta Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 162.150 Dis= 165.451 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 175.800 Dis= 252.292 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	0.000000	0.000	517396.454	4067968.215	364.198114	177.871	280.399837	330.014507	255.337	46.216230

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 PROYECTO :
 EJE : 2 : Glorieta Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 175.800 Dis= 252.292 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 183.790 Dis= 419.890 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	0.000000	0.000	517396.454	4067968.215	330.014507	255.337	245.260163	310.694824	420.451	25.940479
CIRC.	20.000	357.558682	0.000	517390.031	4067986.766	333.228088	269.835	248.473744	313.243962	430.234	28.489618
CIRC.	40.000	315.117364	0.000	517373.512	4067997.373	333.439015	289.453	248.684670	314.232909	448.650	29.478564
CIRC.	60.000	272.676046	0.000	517353.970	4067995.493	331.057832	305.638	246.303487	313.392731	467.336	28.638386
CIRC.	80.000	230.234727	0.000	517339.775	4067981.933	327.256806	312.380	242.502461	311.233411	478.667	26.479067
CIRC.	100.000	187.793409	0.000	517337.004	4067962.498	323.352995	307.406	238.598651	308.620707	478.385	23.866363
CIRC.	120.000	145.352091	0.000	517346.845	4067945.510	320.667023	292.382	235.912678	306.504252	466.594	21.749908
CIRC.	140.000	102.910773	0.000	517365.083	4067938.246	320.417711	272.773	235.663366	305.740876	447.735	20.986532
CIRC.	160.000	60.469455	0.000	517383.909	4067943.815	323.199955	256.903	238.445610	306.814603	429.541	22.060259
CIRC.	180.000	18.028137	0.000	517395.260	4067959.832	327.995426	252.720	243.241082	309.412204	420.312	24.657860
CIRC.	188.496	0.000000	0.000	517396.454	4067968.215	330.014507	255.337	245.260163	310.694824	420.451	25.940479

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 PROYECTO :
 EJE : 3 : Paso superior Existente

pagina 1

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 0.000 Dis= 142.608 K : 0.999603770
 Distancia: 263.800 Azimut: 310.655105
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 17.669 Dis=-119.829 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	2.489534	0.000	517350.293	4067839.386	309.674627	142.664	399.019521	111.809503	121.173	1.154397

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 PROYECTO :
 EJE : 3 : Paso superior Existente

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 17.669 Dis=-119.829 K : 0.999603659
 Distancia: 392.868 Azimut: 101.530126
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 23.587 Dis= 272.839 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	2.489534	0.000	517350.293	4067839.386	111.809503	121.173	10.279376	296.999537	273.965	395.469411
RECTA	20.000	2.489534	0.000	517351.075	4067859.370	101.251355	119.899	399.721229	301.652573	272.970	0.122447
CIRC.	31.761	2.489534	0.000	517351.534	4067871.122	95.037042	120.703	393.506916	304.396208	273.069	2.866081
CIRC.	40.000	3.538536	0.000	517351.924	4067879.352	90.766964	122.007	389.236837	306.315416	273.372	4.785290
CIRC.	60.000	6.085015	0.000	517353.434	4067899.294	81.010713	127.884	379.480587	310.956900	274.574	9.426774
CIRC.	80.000	8.631494	0.000	517355.741	4067919.159	72.483174	137.158	370.953048	315.561126	276.427	14.031000
RECTA	83.065	9.021712	0.000	517356.164	4067922.194	71.300194	138.839	369.770068	316.262431	276.768	14.732305
RECTA	100.000	9.021712	0.000	517358.556	4067938.960	65.285148	148.965	363.755022	320.102851	279.199	18.572725
RECTA	120.000	9.021712	0.000	517361.381	4067958.759	59.211709	162.393	357.681583	324.533810	283.350	23.003684
RECTA	124.123	9.021712	0.000	517361.963	4067962.841	58.085118	165.327	356.554991	325.430028	284.373	23.899902

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 PROYECTO :
 EJE : 3 : Paso superior Existente

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 23.587 Dis= 272.839 K : 0.999603828
 Distancia: 274.239 Azimut: 304.418524
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 31.892 Dis= -1.165 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	2.489534	0.000	517350.293	4067839.386	296.999537	273.965	392.581013	200.164180	31.926	95.745656

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 PROYECTO :
 EJE : 3 : Paso superior Existente

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 31.892 Dis= -1.165 K : 0.999603710
 Distancia: 247.420 Azimut: 316.539427
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 68.244 Dis=-244.469 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	2.489534	0.000	517350.293	4067839.386	200.164180	31.926	283.624753	124.194271	257.400	7.654844
RECTA	20.000	2.489534	0.000	517351.075	4067859.370	196.270548	11.954	279.731120	119.415152	251.418	2.875725
CIRC.	31.761	2.489534	0.000	517351.534	4067871.122	109.618460	1.173	193.079033	116.506827	248.586	399.967400
CIRC.	40.000	3.538536	0.000	517351.924	4067879.352	12.100176	8.204	95.560749	114.429553	246.984	397.890126
CIRC.	60.000	6.085015	0.000	517353.434	4067899.294	6.929948	28.172	90.390521	109.279782	244.773	392.740355
CIRC.	80.000	8.631494	0.000	517355.741	4067919.159	7.107804	48.179	90.568377	104.077477	244.987	387.538050
RECTA	83.065	9.021712	0.000	517356.164	4067922.194	7.210630	51.244	90.671202	103.283755	245.235	386.744328
RECTA	100.000	9.021712	0.000	517358.556	4067938.960	7.660603	68.180	91.121175	98.937375	247.336	382.397948
RECTA	120.000	9.021712	0.000	517361.381	4067958.759	7.969397	88.185	91.429970	93.926439	251.270	377.387012
RECTA	124.123	9.021712	0.000	517361.963	4067962.841	8.016420	92.309	91.476993	92.914542	252.271	376.375115

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 PROYECTO :
 EJE : 3 : Paso superior Existente

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 68.244 Dis=-244.469 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 116.834 Dis=-405.060 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	2.489534	0.000	517350.293	4067839.386	124.194271	257.400	193.911147	126.619082	427.328	396.335958
RECTA	20.000	2.489534	0.000	517351.075	4067859.370	119.415152	251.418	189.132028	123.802938	420.336	393.519814
CIRC.	31.761	2.489534	0.000	517351.534	4067871.122	116.506827	248.586	186.223703	122.104664	416.618	391.821539
CIRC.	40.000	3.538536	0.000	517351.924	4067879.352	114.429553	246.984	184.146429	120.894507	414.259	390.611383
CIRC.	60.000	6.085015	0.000	517353.434	4067899.294	109.279782	244.773	178.996658	117.883417	409.716	387.600293
CIRC.	80.000	8.631494	0.000	517355.741	4067919.159	104.077477	244.987	173.794353	114.794751	406.902	384.511627
RECTA	83.065	9.021712	0.000	517356.164	4067922.194	103.283755	245.235	173.000631	114.316842	406.627	384.033718
RECTA	100.000	9.021712	0.000	517358.556	4067938.960	98.937375	247.336	168.654251	111.665911	405.571	381.382787
RECTA	120.000	9.021712	0.000	517361.381	4067958.759	93.926439	251.270	163.643315	108.524110	405.233	378.240986
RECTA	124.123	9.021712	0.000	517361.963	4067962.841	92.914542	252.271	162.631418	107.876159	405.287	377.593035

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 PROYECTO :
 EJE : 3 : Paso superior Existente

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 116.834 Dis=-405.060 K : 0.999603545
 Distancia: 858.950 Azimut: 108.544492
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 123.270 Dis= 453.525 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	2.489534	0.000	517350.293	4067839.386	126.619082	427.328	18.074590	291.948707	464.421	383.404215
RECTA	20.000	2.489534	0.000	517351.075	4067859.370	123.802938	420.336	15.258446	294.671532	461.545	386.127040
CIRC.	31.761	2.489534	0.000	517351.534	4067871.122	122.104664	416.618	13.560172	296.286894	460.252	387.742402
CIRC.	40.000	3.538536	0.000	517351.924	4067879.352	120.894507	414.259	12.350015	297.422594	459.456	388.878102
CIRC.	60.000	6.085015	0.000	517353.434	4067899.294	117.883417	409.716	9.338925	300.188258	457.571	391.643766
CIRC.	80.000	8.631494	0.000	517355.741	4067919.159	114.794751	406.902	6.250259	302.966041	455.756	394.421549
RECTA	83.065	9.021712	0.000	517356.164	4067922.194	114.316842	406.627	5.772350	303.392754	455.484	394.848262
RECTA	100.000	9.021712	0.000	517358.556	4067938.960	111.665911	405.571	3.121419	305.758123	454.302	397.213631
RECTA	120.000	9.021712	0.000	517361.381	4067958.759	108.524110	405.233	399.979618	308.562696	453.717	0.018204
RECTA	124.123	9.021712	0.000	517361.963	4067962.841	107.876159	405.287	399.331667	309.141498	453.706	0.597006

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 PROYECTO :
 EJE : 4 : Nuevo Paso Superior

pagina 1

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 0.479 Dis= 399.421 K : 0.999603545
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 6.641 Dis=-459.166 K : 0.999603909
 Distancia: 858.950 Azimut: 108.544492

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	208.087626	0.000	517356.197	4067962.704	108.011278	399.580	399.466786	309.008277	459.396	0.463785

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 PROYECTO :
 EJE : 4 : Nuevo Paso Superior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 6.641 Dis=-459.166 K : 0.999603909
 Distancia: 700.719 Azimut: 303.354607
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 54.502 Dis= 239.495 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	208.087626	0.000	517356.197	4067962.704	309.008277	459.396	5.653670	92.784325	246.523	389.429718
RECTA	20.000	208.087626	0.000	517353.663	4067942.865	306.235926	459.543	2.881319	97.890492	242.540	394.535885
CLOT.	33.979	208.087626	0.000	517351.892	4067928.999	304.301784	460.162	0.947177	101.543690	240.705	398.189083
CLOT.	40.000	207.992245	0.000	517351.132	4067923.026	303.470548	460.556	0.115941	103.132270	240.165	399.777663
CIRC.	54.145	207.017751	0.000	517349.449	4067908.981	301.523094	461.688	398.168487	106.885230	239.591	3.530624
CIRC.	60.000	206.396544	0.000	517348.834	4067903.159	300.719018	462.201	397.364411	108.441089	239.679	5.086482
CIRC.	80.000	204.274478	0.000	517347.159	4067883.230	297.980847	464.080	394.626240	113.715290	241.482	10.360683
CLOT.	91.324	203.072967	0.000	517346.506	4067871.925	296.436721	465.228	393.082114	116.641058	243.519	13.286451
CLOT.	100.000	202.350431	0.000	517346.141	4067863.257	295.257022	466.158	391.902415	118.837808	245.554	15.483201
RECTA	111.491	202.003092	0.000	517345.759	4067851.773	293.700704	467.534	390.346097	121.679411	248.786	18.324804
RECTA	120.000	202.003092	0.000	517345.491	4067843.268	292.554248	468.717	389.199641	123.732434	251.506	20.377827
RECTA	128.966	202.003092	0.000	517345.209	4067834.306	291.352897	470.127	387.998290	125.845895	254.649	22.491288

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 PROYECTO :
 EJE : 4 : Nuevo Paso Superior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 54.502 Dis= 239.495 K : 0.999603608
 Distancia: 247.420 Azimut: 116.539427
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 91.766 Dis= -3.894 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	208.087626	0.000	517356.197	4067962.704	92.784325	246.523	376.244897	4.049663	91.627	87.510236
RECTA	20.000	208.087626	0.000	517353.663	4067942.865	97.890492	242.540	381.351064	2.923093	71.670	86.383666
CLOT.	33.979	208.087626	0.000	517351.892	4067928.999	101.543690	240.705	385.004263	1.673644	57.743	85.134217
CLOT.	40.000	207.992245	0.000	517351.132	4067923.026	103.132270	240.165	386.592842	0.932016	51.753	84.392589
CIRC.	54.145	207.017751	0.000	517349.449	4067908.981	106.885230	239.591	390.345803	398.436403	37.709	81.896975
CIRC.	60.000	206.396544	0.000	517348.834	4067903.159	108.441089	239.679	391.901662	396.922443	31.910	80.383015
CIRC.	80.000	204.274478	0.000	517347.159	4067883.230	113.715290	241.482	397.175862	383.240796	12.362	66.701368
CLOT.	91.324	203.072967	0.000	517346.506	4067871.925	116.641058	243.519	0.101631	310.216400	3.921	393.676973
CLOT.	100.000	202.350431	0.000	517346.141	4067863.257	118.837808	245.554	2.298381	230.848544	9.092	314.309117
RECTA	111.491	202.003092	0.000	517345.759	4067851.773	121.679411	248.786	5.139983	214.778197	20.072	298.238770
RECTA	120.000	202.003092	0.000	517345.491	4067843.268	123.732434	251.506	7.193006	210.981020	28.465	294.441593
RECTA	128.966	202.003092	0.000	517345.209	4067834.306	125.845895	254.649	9.306468	208.832642	37.367	292.293215

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 PROYECTO :
 EJE : 4 : Nuevo Paso Superior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 91.766 Dis= -3.894 K : 0.999603710
 Distancia: 274.239 Azimut: 104.418524
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 100.952 Dis=-277.919 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	208.087626	0.000	517356.197	4067962.704	4.049663	91.627	299.631139	324.909128	289.644	20.490604
RECTA	20.000	208.087626	0.000	517353.663	4067942.865	2.923093	71.670	298.504569	320.592765	285.073	16.174241
CLOT.	33.979	208.087626	0.000	517351.892	4067928.999	1.673644	57.743	297.255120	317.502732	282.677	13.084208
CLOT.	40.000	207.992245	0.000	517351.132	4067923.026	0.932016	51.753	296.513492	316.156977	281.849	11.738453
CIRC.	54.145	207.017751	0.000	517349.449	4067908.981	398.436403	37.709	294.017878	312.970785	280.302	8.552261
CIRC.	60.000	206.396544	0.000	517348.834	4067903.159	396.922443	31.910	292.503918	311.644445	279.788	7.225920
CIRC.	80.000	204.274478	0.000	517347.159	4067883.230	383.240796	12.362	278.822272	307.089961	278.521	2.671437
CLOT.	91.324	203.072967	0.000	517346.506	4067871.925	310.216400	3.921	205.797876	304.500135	278.143	0.081611
CLOT.	100.000	202.350431	0.000	517346.141	4067863.257	230.848544	9.092	126.430020	302.513258	278.030	398.094734
RECTA	111.491	202.003092	0.000	517345.759	4067851.773	214.778197	20.072	110.359673	299.882024	278.197	395.463499
RECTA	120.000	202.003092	0.000	517345.491	4067843.268	210.981020	28.465	106.562496	297.937657	278.610	393.519132
RECTA	128.966	202.003092	0.000	517345.209	4067834.306	208.832642	37.367	104.414118	295.897152	279.326	391.478628

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 PROYECTO :
 EJE : 4 : Nuevo Paso Superior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 100.952 Dis=-277.919 K : 0.999603828
 Distancia: 392.868 Azimut: 301.530126
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 105.325 Dis= 114.773 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	208.087626	0.000	517356.197	4067962.704	324.909128	289.644	23.379002	56.729981	160.717	355.199855

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 PROYECTO :
 EJE : 4 : Nuevo Paso Superior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 105.325 Dis= 114.773 K : 0.999603659
 Distancia: 263.800 Azimut: 110.655105
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 128.966 Dis=-146.978 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	208.087626	0.000	517356.197	4067962.704	56.729981	160.717	346.074876	352.238264	198.167	41.583158
RECTA	20.000	208.087626	0.000	517353.663	4067942.865	62.736972	146.924	352.081867	346.966459	186.015	36.311354
CLOT.	33.979	208.087626	0.000	517351.892	4067928.999	67.617394	138.190	356.962289	342.874600	178.364	32.219495
CLOT.	40.000	207.992245	0.000	517351.132	4067923.026	69.909509	134.703	359.254403	341.005921	175.307	30.350815
CIRC.	54.145	207.017751	0.000	517349.449	4067908.981	75.788290	127.350	365.133184	336.379530	168.661	25.724425
CIRC.	60.000	206.396544	0.000	517348.834	4067903.159	78.432922	124.723	367.777816	334.373937	166.111	23.718832
CIRC.	80.000	204.274478	0.000	517347.159	4067883.230	88.322239	117.938	377.667134	327.135889	158.321	16.480784
CLOT.	91.324	203.072967	0.000	517346.506	4067871.925	94.381279	115.757	383.726174	322.780931	154.601	12.125826
CLOT.	100.000	202.350431	0.000	517346.141	4067863.257	99.151785	114.951	388.496679	319.326724	152.130	8.671619
RECTA	111.491	202.003092	0.000	517345.759	4067851.773	105.519554	114.990	394.864449	314.604202	149.471	3.949096
RECTA	120.000	202.003092	0.000	517345.491	4067843.268	110.197664	115.773	399.542559	311.012857	148.033	0.357752
RECTA	128.966	202.003092	0.000	517345.209	4067834.306	115.031733	117.262	4.376628	307.165723	147.036	396.510618

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 PROYECTO :
 EJE : 5 : Vial El Ejido C_Izqda

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 78.183 Dis=-450.485 K : 0.999603909
 Distancia: 461.400 Azimut: 296.320546
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 101.633 Dis=-116.834 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	215.567236	0.000	517393.260	4068085.183	326.835872	457.803	30.515326	12.597637	218.227	316.277090
RECTA	20.000	215.567236	0.000	517388.418	4068065.778	324.077533	454.706	27.756987	12.298034	198.243	315.977488
RECTA	40.000	215.567236	0.000	517383.576	4068046.373	321.286692	452.474	24.966145	11.931268	178.265	315.610721
RECTA	60.000	215.567236	0.000	517378.734	4068026.968	318.473646	451.120	22.153100	11.471936	158.294	315.151390
CLOT.	74.056	215.567236	0.000	517375.331	4068013.330	316.489105	450.697	20.168559	11.073022	144.264	314.752476
CIRC.	79.390	216.133120	0.000	517374.025	4068008.159	315.735446	450.667	19.414900	10.893362	138.943	314.572816
CIRC.	80.000	216.262619	0.000	517373.871	4068007.568	315.649211	450.672	19.328665	10.869980	138.335	314.549434
RECTA	97.576	219.992453	0.000	517368.934	4067990.702	313.172626	451.698	16.852080	9.816712	120.885	313.496165
RECTA	100.000	219.992453	0.000	517368.186	4067988.397	312.833072	451.963	16.512525	9.609384	118.492	313.288838
RECTA	101.633	219.992453	0.000	517367.681	4067986.844	312.604558	452.150	16.284012	9.464932	116.880	313.144386

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 PROYECTO :
 EJE : 10 : Vial El Ejido C_Dcha

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 0.000 Dis=-117.124 K : 0.999603710
 Distancia: 415.468 Azimut: 322.139698
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 12.298 Dis=-419.105 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	398.950717	0.000	517378.734	4067984.938	15.569289	117.171	93.429591	104.234370	419.895	382.094672
CIRC.	4.241	398.950717	0.000	517378.665	4067989.178	14.994519	121.274	92.854821	103.592869	419.565	381.453171
CIRC.	20.000	5.639186	0.000	517379.232	4068004.920	13.540711	136.756	91.401013	101.201593	419.539	379.061895
CLOT.	34.782	11.913020	0.000	517381.263	4068019.556	13.076247	151.501	90.936549	98.984527	421.550	376.844829
CLOT.	40.000	13.585853	0.000	517382.308	4068024.668	13.068369	156.720	90.928671	98.216961	422.707	376.077263
RECTA	45.449	14.176557	0.000	517383.495	4068029.986	13.099000	162.171	90.959302	97.423569	424.076	375.283871
RECTA	60.000	14.176557	0.000	517386.709	4068044.178	13.187753	176.726	91.048055	95.332979	428.094	373.193281
RECTA	80.000	14.176557	0.000	517391.125	4068063.684	13.288312	196.731	91.148614	92.527079	434.352	370.387381
RECTA	94.827	14.176557	0.000	517394.400	4068078.144	13.350584	211.562	91.210886	90.501389	439.521	368.361691

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 PROYECTO :
 EJE : 11 : Crtra Almerimar Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 187.393 Dis= 133.007 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 195.269 Dis= -53.706 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	392.949950	0.000	517375.026	4067623.657	234.343016	226.364	311.237454	193.683618	248.965	70.578056
RECTA	20.000	392.949950	0.000	517372.816	4067643.534	238.003028	210.786	314.897466	193.747729	228.958	70.642167
RECTA	40.000	392.949950	0.000	517370.606	4067663.412	242.230490	196.015	319.124928	193.824117	208.952	70.718555
CIRC.	56.359	392.949950	0.000	517368.798	4067679.670	246.176956	184.668	323.071394	193.898397	192.589	70.792835
CIRC.	60.000	393.065857	0.000	517368.399	4067683.290	247.120443	182.244	324.014881	193.915565	188.946	70.810003
CIRC.	80.000	393.702477	0.000	517366.324	4067703.182	252.740294	169.610	329.634732	193.978499	168.939	70.872937
CIRC.	100.000	394.339096	0.000	517364.448	4067723.093	259.163087	158.332	336.057525	193.972818	148.931	70.867256
CIRC.	120.000	394.975716	0.000	517362.772	4067743.023	266.446678	148.718	343.341116	193.866578	128.925	70.761016
CIRC.	140.000	395.612336	0.000	517361.295	4067762.968	274.584409	141.110	351.478847	193.604394	108.923	70.498832
CIRC.	160.000	396.248956	0.000	517360.017	4067782.927	283.467322	135.847	360.361760	193.081143	88.931	69.975581
RECTA	164.697	396.398469	0.000	517359.746	4067787.617	285.638884	134.983	362.533322	192.900346	84.239	69.794784
RECTA	180.000	396.398469	0.000	517358.881	4067802.895	292.863414	133.265	369.757852	192.124122	68.958	69.018560
RECTA	195.269	396.398469	0.000	517358.018	4067818.140	300.163917	133.293	377.058355	190.909683	53.727	67.804121

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 EJE : 21 : Camino bajo Paso Inferior

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 13.038 Dis= 426.868 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 21.883 Dis= 292.282 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	22.365158	0.000	516819.014	4067975.148	317.093163	427.720	382.233683	308.724390	295.222	173.864910
CLOT.	1.714	22.365158	0.000	516819.604	4067976.758	317.347543	427.582	382.488063	309.086073	294.863	174.226593
CIRC.	13.964	18.465862	0.000	516823.583	4067988.341	319.171287	427.042	384.311807	311.703688	292.818	176.844208
CIRC.	20.000	14.623048	0.000	516825.134	4067994.174	320.070025	427.334	385.210546	313.014439	292.421	178.154959
CLOT.	22.620	12.954902	0.000	516825.697	4067996.733	320.458392	427.600	385.598912	313.585113	292.401	178.725633
RECTA	34.870	9.055606	0.000	516827.681	4068008.819	322.251100	429.706	387.391620	316.242185	293.278	181.382705
RECTA	40.000	9.055606	0.000	516828.408	4068013.897	322.993244	430.792	388.133764	317.346750	293.900	182.487270
RECTA	60.000	9.055606	0.000	516831.243	4068033.695	325.848680	435.575	390.989200	321.599980	297.162	186.740500
CLOT.	73.266	9.055606	0.000	516833.124	4068046.827	327.706037	439.223	392.846557	324.362301	300.042	189.502821
CIRC.	78.666	11.920395	0.000	516833.970	4068052.160	328.456348	440.735	393.596868	325.474814	301.296	190.615334
CIRC.	80.000	13.335342	0.000	516834.232	4068053.468	328.642981	441.066	393.783501	325.750726	301.566	190.891246
CLOT.	87.955	21.775686	0.000	516836.397	4068061.116	329.769768	442.513	394.910289	327.409581	302.690	192.550101
RECTA	93.355	24.640475	0.000	516838.360	4068066.146	330.542392	443.061	395.682912	328.542417	303.053	193.682937
RECTA	100.000	24.640475	0.000	516840.868	4068072.300	331.492100	443.726	396.632620	329.934196	303.533	195.074716
RECTA	120.000	24.640475	0.000	516848.417	4068090.821	334.330419	446.318	399.470939	334.087415	305.846	199.227935
RECTA	140.000	24.640475	0.000	516855.966	4068109.341	337.130464	449.787	2.270984	338.161284	309.437	203.301804
RECTA	160.000	24.640475	0.000	516863.515	4068127.862	339.882426	454.112	5.022946	342.125883	314.264	207.266403

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 PROYECTO :
 EJE : 21 : Camino bajo Paso Inferior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 13.038 Dis= 426.868 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 21.883 Dis= 292.282 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	174.877	24.640475	0.000	516869.131	4068141.638	341.893102	457.869	7.033622	344.989123	318.623	210.129643
CLOT.	180.000	22.062463	0.000	516871.000	4068146.407	342.574769	459.334	7.715289	345.951543	320.335	211.092064
CIRC.	180.277	21.775686	0.000	516871.094	4068146.669	342.611217	459.422	7.751738	346.002796	320.437	211.143316
CLOT.	188.618	12.926024	0.000	516873.337	4068154.695	343.669224	462.708	8.809744	347.477268	324.151	212.617788
RECTA	194.018	10.061235	0.000	516874.267	4068160.014	344.313069	465.383	9.453589	348.360808	327.110	213.501328
RECTA	200.000	10.061235	0.000	516875.208	4068165.921	345.011413	468.478	10.151933	349.311084	330.534	214.451604
RECTA	218.493	10.061235	0.000	516878.119	4068184.184	347.111946	478.392	12.252466	352.125313	341.565	217.265833

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 EJE : 21 : Camino bajo Paso Inferior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 21.883 Dis= 292.282 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 57.595 Dis= 130.348 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	22.365158	0.000	516819.014	4067975.148	308.724390	295.222	378.441265	283.364023	145.930	153.080899
CLOT.	1.714	22.365158	0.000	516819.604	4067976.758	309.086073	294.863	378.802949	283.980059	144.951	153.696935
CIRC.	13.964	18.465862	0.000	516823.583	4067988.341	311.703688	292.818	381.420563	288.684502	138.588	158.401377
CIRC.	20.000	14.623048	0.000	516825.134	4067994.174	313.014439	292.421	382.731315	291.242514	136.139	160.959390
CLOT.	22.620	12.954902	0.000	516825.697	4067996.733	313.585113	292.401	383.301989	292.399815	135.253	162.116691
RECTA	34.870	9.055606	0.000	516827.681	4068008.819	316.242185	293.278	385.959061	298.067470	132.367	167.784346
RECTA	40.000	9.055606	0.000	516828.408	4068013.897	317.346750	293.900	387.063626	300.513998	131.582	170.230874
RECTA	60.000	9.055606	0.000	516831.243	4068033.695	321.599980	297.162	391.316856	310.230228	130.422	179.947104
CLOT.	73.266	9.055606	0.000	516833.124	4068046.827	324.362301	300.042	394.079176	316.673122	131.339	186.389997
CIRC.	78.666	11.920395	0.000	516833.970	4068052.160	325.474814	301.296	395.191690	319.264488	132.013	188.981364
CIRC.	80.000	13.335342	0.000	516834.232	4068053.468	325.750726	301.566	395.467601	319.903640	132.158	189.620516
CLOT.	87.955	21.775686	0.000	516836.397	4068061.116	327.409581	302.690	397.126457	323.718630	132.690	193.435506
RECTA	93.355	24.640475	0.000	516838.360	4068066.146	328.542417	303.053	398.259293	326.308760	132.802	196.025635
RECTA	100.000	24.640475	0.000	516840.868	4068072.300	329.934196	303.533	399.651071	329.487632	133.142	199.204508
RECTA	120.000	24.640475	0.000	516848.417	4068090.821	334.087415	305.846	3.804291	338.850795	136.134	208.567671
RECTA	140.000	24.640475	0.000	516855.966	4068109.341	338.161284	309.437	7.878160	347.631600	141.911	217.348476
RECTA	160.000	24.640475	0.000	516863.515	4068127.862	342.125883	314.264	11.842758	355.588136	150.152	225.305012

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 PROYECTO :
 EJE : 21 : Camino bajo Paso Inferior

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 21.883 Dis= 292.282 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 57.595 Dis= 130.348 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	174.877	24.640475	0.000	516869.131	4068141.638	344.989123	318.623	14.705999	360.908023	157.655	230.624899
CLOT.	180.000	22.062463	0.000	516871.000	4068146.407	345.951543	320.335	15.668419	362.604433	160.534	232.321309
CIRC.	180.277	21.775686	0.000	516871.094	4068146.669	346.002796	320.437	15.719672	362.692676	160.700	232.409552
CLOT.	188.618	12.926024	0.000	516873.337	4068154.695	347.477268	324.151	17.194144	365.109465	166.268	234.826340
RECTA	194.018	10.061235	0.000	516874.267	4068160.014	348.360808	327.110	18.077683	366.442211	170.363	236.159087
RECTA	200.000	10.061235	0.000	516875.208	4068165.921	349.311084	330.534	19.027959	367.819637	175.037	237.536513
RECTA	218.493	10.061235	0.000	516878.119	4068184.184	352.125313	341.565	21.842188	371.640693	189.954	241.357569

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GRUPO 2

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 PROYECTO :
 EJE : 6 : Salida Almería El Ejido

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 0.000 Dis= -77.564 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 130.357 Dis= -55.369 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	268.755465	0.000	517911.483	4068002.858	317.452760	77.595	45.871926	48.682359	145.454	377.101525
CIRC.	20.000	270.200685	0.000	517893.738	4067993.632	308.067042	93.196	36.486209	45.454340	126.668	373.873507
CIRC.	40.000	271.645906	0.000	517875.789	4067984.812	301.703066	110.445	30.122233	40.879033	108.520	369.298200
CIRC.	60.000	273.091127	0.000	517857.644	4067976.402	297.298034	128.674	25.717201	34.252068	91.405	362.671234
CIRC.	80.000	274.536348	0.000	517839.312	4067968.405	294.183300	147.512	22.602467	24.460772	76.036	352.879938
CIRC.	100.000	275.981569	0.000	517820.804	4067960.827	291.945431	166.745	20.364597	10.021788	63.698	338.440954
CLOT.	112.160	276.860237	0.000	517809.469	4067956.425	290.898310	178.574	19.317476	398.527696	58.523	326.946862
CLOT.	120.000	277.467217	0.000	517802.128	4067953.672	290.324083	186.243	18.743249	390.148426	56.428	318.567593
CLOT.	140.000	279.381757	0.000	517783.271	4067947.010	289.170462	205.933	17.589628	367.430172	56.297	295.849339
CIRC.	141.396	279.535034	0.000	517781.947	4067946.568	289.105290	207.313	17.524456	365.886537	56.576	294.305703
CIRC.	160.000	281.594805	0.000	517764.204	4067940.976	288.403390	225.770	16.822556	347.457323	63.470	275.876490
CIRC.	180.000	283.809135	0.000	517744.939	4067935.609	287.939756	245.703	16.358922	333.064609	75.921	261.483775
CIRC.	200.000	286.023464	0.000	517725.499	4067930.914	287.712169	265.689	16.131336	323.476872	91.509	251.896039
CIRC.	220.000	288.237794	0.000	517705.907	4067926.899	287.671445	285.696	16.090612	317.144778	108.881	245.563945
CIRC.	240.000	290.452124	0.000	517686.187	4067923.568	287.780959	305.696	16.200126	312.909823	127.292	241.328989
CIRC.	260.000	292.666453	0.000	517666.364	4067920.924	288.012938	325.670	16.432104	310.044182	146.333	238.463349
CIRC.	280.000	294.880783	0.000	517646.460	4067918.971	288.345973	345.600	16.765139	308.101447	165.767	236.520614

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 PROYECTO :
 EJE : 6 : Salida Almería El Ejido

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 0.000 Dis= -77.564 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 130.357 Dis= -55.369 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	297.095113	0.000	517626.501	4067917.711	288.763316	365.470	17.182482	306.802398	185.452	235.221565
CIRC.	320.000	299.309442	0.000	517606.510	4067917.147	289.251689	385.269	17.670856	305.966796	205.294	234.385963
CIRC.	340.000	301.523772	0.000	517586.512	4067917.278	289.800439	404.984	18.219605	305.474402	225.232	233.893568
CLOT.	350.730	302.711777	0.000	517575.788	4067917.634	290.116653	415.523	18.535820	305.321768	235.952	233.740934
CLOT.	360.000	303.681588	0.000	517566.530	4067918.101	290.400519	424.606	18.819685	305.241775	245.220	233.660941
CLOT.	380.000	305.388994	0.000	517546.582	4067919.538	291.033970	444.141	19.453136	305.191790	265.226	233.610956
CLOT.	400.000	306.570267	0.000	517526.672	4067921.428	291.674896	463.620	20.094063	305.250127	285.232	233.669293
CLOT.	420.000	307.225409	0.000	517506.790	4067923.604	292.301173	483.079	20.720339	305.360994	305.234	233.780160
RECTA	434.904	307.371497	0.000	517491.985	4067925.315	292.747127	497.588	21.166293	305.452348	320.137	233.871515
RECTA	440.000	307.371497	0.000	517486.923	4067925.904	292.894177	502.553	21.313343	305.482426	325.233	233.901592
RECTA	460.000	307.371497	0.000	517467.057	4067928.214	293.444251	522.065	21.863417	305.591891	345.232	234.011057
RECTA	480.000	307.371497	0.000	517447.191	4067930.525	293.954653	541.614	22.373819	305.689367	365.233	234.108534
CLOT.	482.607	307.371497	0.000	517444.601	4067930.826	294.018479	544.164	22.437645	305.701292	367.840	234.120459
CLOT.	500.000	313.389934	0.000	517427.404	4067933.378	294.490005	561.069	22.909172	305.867191	385.205	234.286357
CIRC.	502.607	315.329244	0.000	517424.863	4067933.960	294.580367	563.552	22.999534	305.923981	387.790	234.343148
CIRC.	520.000	329.170227	0.000	517408.553	4067939.904	295.383899	579.349	23.803066	306.617033	404.612	235.036200
CLOT.	528.949	336.291298	0.000	517400.766	4067944.303	295.921242	586.821	24.340409	307.167275	412.833	235.586441

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 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 0.000 Dis= -77.564 K : 0.999603987
 Distancia: 194.454 Azimut: 271.580833
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 130.357 Dis= -55.369 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	540.000	342.655954	0.000	517391.816	4067950.779	296.673866	595.383	25.093032	307.985773	422.492	236.404940
RECTA	548.949	344.249045	0.000	517384.896	4067956.452	297.311451	602.030	25.730617	308.691069	430.096	237.110235
RECTA	560.000	344.249045	0.000	517376.408	4067963.530	298.086841	610.260	26.506008	309.539758	439.511	237.958924
RECTA	560.861	344.249045	0.000	517375.748	4067964.081	298.146341	610.904	26.565508	309.604319	440.247	238.023485

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 PROYECTO :
 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 130.357 Dis= -55.369 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 305.063 Dis= -65.259 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	268.755465	0.000	517911.483	4068002.858	48.682359	145.454	163.928014	69.299255	324.793	384.544910
CIRC.	20.000	270.200685	0.000	517893.738	4067993.632	45.454340	126.668	160.699995	69.287516	304.786	384.533172
CIRC.	40.000	271.645906	0.000	517875.789	4067984.812	40.879033	108.520	156.124688	69.172608	284.785	384.418263
CIRC.	60.000	273.091127	0.000	517857.644	4067976.402	34.252068	91.405	149.497723	68.931239	264.805	384.176895
CIRC.	80.000	274.536348	0.000	517839.312	4067968.405	24.460772	76.036	139.706427	68.532681	244.861	383.778336
CIRC.	100.000	275.981569	0.000	517820.804	4067960.827	10.021788	63.698	125.267443	67.935602	224.975	383.181257
CLOT.	112.160	276.860237	0.000	517809.469	4067956.425	398.527696	58.523	113.773351	67.452267	212.925	382.697922
CLOT.	120.000	277.467217	0.000	517802.128	4067953.672	390.148426	56.428	105.394082	67.082708	205.176	382.328364
CLOT.	140.000	279.381757	0.000	517783.271	4067947.010	367.430172	56.297	82.675828	65.870585	185.516	381.116240
CIRC.	141.396	279.535034	0.000	517781.947	4067946.568	365.886537	56.576	81.132192	65.768322	184.152	381.013977
CIRC.	160.000	281.594805	0.000	517764.204	4067940.976	347.457323	63.470	62.702979	64.125118	166.097	379.370773
CIRC.	180.000	283.809135	0.000	517744.939	4067935.609	333.064609	75.921	48.310264	61.632692	147.048	376.878347
CIRC.	200.000	286.023464	0.000	517725.499	4067930.914	323.476872	91.509	38.722528	58.087742	128.564	373.333397
CIRC.	220.000	288.237794	0.000	517705.907	4067926.899	317.144778	108.881	32.390434	53.025235	110.954	368.270891
CIRC.	240.000	290.452124	0.000	517686.187	4067923.568	312.909823	127.292	28.155478	45.748361	94.734	360.994017
CIRC.	260.000	292.666453	0.000	517666.364	4067920.924	310.044182	146.333	25.289838	35.308508	80.771	350.554164
CIRC.	280.000	294.880783	0.000	517646.460	4067918.971	308.101447	165.767	23.347103	20.815954	70.441	336.061610

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 PROYECTO :
 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 130.357 Dis= -55.369 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 305.063 Dis= -65.259 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	297.095113	0.000	517626.501	4067917.711	306.802398	185.452	22.048054	2.583255	65.503	317.828911
CIRC.	320.000	299.309442	0.000	517606.510	4067917.147	305.966796	205.294	21.212451	383.373623	67.162	298.619279
CIRC.	340.000	301.523772	0.000	517586.512	4067917.278	305.474402	225.232	20.720057	366.805194	74.979	282.050849
CLOT.	350.730	302.711777	0.000	517575.788	4067917.634	305.321768	235.952	20.567423	359.631397	81.147	274.877052
CLOT.	360.000	303.681588	0.000	517566.530	4067918.101	305.241775	245.220	20.487430	354.386603	87.307	269.632258
CLOT.	380.000	305.388994	0.000	517546.582	4067919.538	305.191790	265.226	20.437445	345.596129	102.472	260.841784
CLOT.	400.000	306.570267	0.000	517526.672	4067921.428	305.250127	285.232	20.495782	339.369129	119.307	254.614785
CLOT.	420.000	307.225409	0.000	517506.790	4067923.604	305.360994	305.234	20.606649	334.835720	137.123	250.081375
RECTA	434.904	307.371497	0.000	517491.985	4067925.315	305.452348	320.137	20.698004	332.198434	150.791	247.444090
RECTA	440.000	307.371497	0.000	517486.923	4067925.904	305.482426	325.233	20.728081	331.405051	155.519	246.650706
RECTA	460.000	307.371497	0.000	517467.057	4067928.214	305.591891	345.232	20.837546	328.710090	174.274	243.955745
RECTA	480.000	307.371497	0.000	517447.191	4067930.525	305.689367	365.233	20.935023	326.541879	193.280	241.787535
CLOT.	482.607	307.371497	0.000	517444.601	4067930.826	305.701292	367.840	20.946948	326.290346	195.772	241.536002
CLOT.	500.000	313.389934	0.000	517427.404	4067933.378	305.867191	385.205	21.112846	324.922826	212.604	240.168481
CIRC.	502.607	315.329244	0.000	517424.863	4067933.960	305.923981	387.790	21.169637	324.795121	215.177	240.040777
CIRC.	520.000	329.170227	0.000	517408.553	4067939.904	306.617033	404.612	21.862689	324.605078	232.530	239.850733
CLOT.	528.949	336.291298	0.000	517400.766	4067944.303	307.167275	412.833	22.412930	324.905431	241.407	240.151087

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 130.357 Dis= -55.369 K : 0.999603909
 Distancia: 192.546 Azimut: 284.754345
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 305.063 Dis= -65.259 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	540.000	342.655954	0.000	517391.816	4067950.779	307.985773	422.492	23.231429	325.555606	252.167	240.801261
RECTA	548.949	344.249045	0.000	517384.896	4067956.452	308.691069	430.096	23.936724	326.170686	260.769	241.416341
RECTA	560.000	344.249045	0.000	517376.408	4067963.530	309.539758	439.511	24.785413	326.897286	271.400	242.142941
RECTA	560.861	344.249045	0.000	517375.748	4067964.081	309.604319	440.247	24.849974	326.951483	272.229	242.197138

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 EJE : 6 : Salida Almería El Ejido

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 305.063 Dis= -65.259 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 423.353 Dis=-106.887 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	268.755465	0.000	517911.483	4068002.858	69.299255	324.793	185.500977	73.591216	459.352	389.792939
CIRC.	20.000	270.200685	0.000	517893.738	4067993.632	69.287516	304.786	185.489239	73.778377	439.389	389.980100
CIRC.	40.000	271.645906	0.000	517875.789	4067984.812	69.172608	284.785	185.374330	73.914533	419.402	390.116256
CIRC.	60.000	273.091127	0.000	517857.644	4067976.402	68.931239	264.805	185.132962	73.991971	399.401	390.193694
CIRC.	80.000	274.536348	0.000	517839.312	4067968.405	68.532681	244.861	184.734403	74.001370	379.393	390.203093
CIRC.	100.000	275.981569	0.000	517820.804	4067960.827	67.935602	224.975	184.137325	73.931364	359.390	390.133087
CLOT.	112.160	276.860237	0.000	517809.469	4067956.425	67.452267	212.925	183.653989	73.844173	347.235	390.045895
CLOT.	120.000	277.467217	0.000	517802.128	4067953.672	67.082708	205.176	183.284431	73.767650	339.403	389.969372
CLOT.	140.000	279.381757	0.000	517783.271	4067947.010	65.870585	185.516	182.072307	73.478991	319.451	389.680713
CIRC.	141.396	279.535034	0.000	517781.947	4067946.568	65.768322	184.152	181.970045	73.452776	318.061	389.654499
CIRC.	160.000	281.594805	0.000	517764.204	4067940.976	64.125118	166.097	180.326841	73.011859	299.574	389.213582
CIRC.	180.000	283.809135	0.000	517744.939	4067935.609	61.632692	147.048	177.834414	72.321669	279.814	388.523391
CIRC.	200.000	286.023464	0.000	517725.499	4067930.914	58.087742	128.564	174.289465	71.359631	260.228	387.561353
CIRC.	220.000	288.237794	0.000	517705.907	4067926.899	53.025235	110.954	169.226958	70.063004	240.881	386.264727
CIRC.	240.000	290.452124	0.000	517686.187	4067923.568	45.748361	94.734	161.950084	68.350492	221.865	384.552215
CIRC.	260.000	292.666453	0.000	517666.364	4067920.924	35.308508	80.771	151.510231	66.116278	203.299	382.318001
CIRC.	280.000	294.880783	0.000	517646.460	4067918.971	20.815954	70.441	137.017677	63.222808	185.342	379.424530

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 305.063 Dis= -65.259 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 423.353 Dis=-106.887 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	297.095113	0.000	517626.501	4067917.711	2.583255	65.503	118.784978	59.493480	168.215	375.695203
CIRC.	320.000	299.309442	0.000	517606.510	4067917.147	383.373623	67.162	99.575346	54.709175	152.224	370.910898
CIRC.	340.000	301.523772	0.000	517586.512	4067917.278	366.805194	74.979	83.006916	48.618698	137.786	364.820421
CLOT.	350.730	302.711777	0.000	517575.788	4067917.634	359.631397	81.147	75.833120	44.726659	130.868	360.928381
CLOT.	360.000	303.681588	0.000	517566.530	4067918.101	354.386603	87.307	70.588326	40.984629	125.456	357.186352
CLOT.	380.000	305.388994	0.000	517546.582	4067919.538	345.596129	102.472	61.797852	31.707157	115.857	347.908880
CLOT.	400.000	306.570267	0.000	517526.672	4067921.428	339.369129	119.307	55.570852	20.963612	109.558	337.165335
CLOT.	420.000	307.225409	0.000	517506.790	4067923.604	334.835720	137.123	51.037442	9.279861	106.984	325.481584
RECTA	434.904	307.371497	0.000	517491.985	4067925.315	332.198434	150.791	48.400157	0.430979	107.563	316.632702
RECTA	440.000	307.371497	0.000	517486.923	4067925.904	331.405051	155.519	47.606773	397.449199	108.236	313.650922
RECTA	460.000	307.371497	0.000	517467.057	4067928.214	328.710090	174.274	44.911812	386.264473	113.083	302.466196
RECTA	480.000	307.371497	0.000	517447.191	4067930.525	326.541879	193.280	42.743602	376.276833	121.083	292.478556
CLOT.	482.607	307.371497	0.000	517444.601	4067930.826	326.290346	195.772	42.492069	375.078240	122.328	291.279963
CLOT.	500.000	313.389934	0.000	517427.404	4067933.378	324.922826	212.604	41.124548	367.868051	132.099	284.069774
CIRC.	502.607	315.329244	0.000	517424.863	4067933.960	324.795121	215.177	40.996844	366.943701	133.852	283.145423
CIRC.	520.000	329.170227	0.000	517408.553	4067939.904	324.605078	232.530	40.806800	362.099991	147.537	278.301714
CLOT.	528.949	336.291298	0.000	517400.766	4067944.303	324.905431	241.407	41.107154	360.470268	155.601	276.671990

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 EJE : 6 : Salida Almería El Ejido

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 305.063 Dis= -65.259 K : 0.999603828
 Distancia: 137.055 Azimut: 283.798277
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 423.353 Dis=-106.887 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	540.000	342.655954	0.000	517391.816	4067950.779	325.555606	252.167	41.757328	359.124038	166.116	275.325761
RECTA	548.949	344.249045	0.000	517384.896	4067956.452	326.170686	260.769	42.372409	358.342809	174.820	274.544532
RECTA	560.000	344.249045	0.000	517376.408	4067963.530	326.897286	271.400	43.099009	357.510190	185.622	273.711913
RECTA	560.861	344.249045	0.000	517375.748	4067964.081	326.951483	272.229	43.153205	357.449405	186.464	273.651128

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 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 423.353 Dis=-106.887 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 530.411 Dis= -88.681 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	268.755465	0.000	517911.483	4068002.858	73.591216	459.352	150.485654	85.338498	576.553	362.232936
CIRC.	20.000	270.200685	0.000	517893.738	4067993.632	73.778377	439.389	150.672815	85.902151	557.185	362.796589
CIRC.	40.000	271.645906	0.000	517875.789	4067984.812	73.914533	419.402	150.808971	86.454333	537.749	363.348771
CIRC.	60.000	273.091127	0.000	517857.644	4067976.402	73.991971	399.401	150.886409	86.993711	518.248	363.888149
CIRC.	80.000	274.536348	0.000	517839.312	4067968.405	74.001370	379.393	150.895808	87.518735	498.685	364.413173
CIRC.	100.000	275.981569	0.000	517820.804	4067960.827	73.931364	359.390	150.825802	88.027598	479.062	364.922036
CLOT.	112.160	276.860237	0.000	517809.469	4067956.425	73.844173	347.235	150.738611	88.328189	467.105	365.222627
CLOT.	120.000	277.467217	0.000	517802.128	4067953.672	73.767650	339.403	150.662088	88.517947	459.384	365.412385
CLOT.	140.000	279.381757	0.000	517783.271	4067947.010	73.478991	319.451	150.373429	88.977332	439.641	365.871770
CIRC.	141.396	279.535034	0.000	517781.947	4067946.568	73.452776	318.061	150.347214	89.007552	438.260	365.901990
CIRC.	160.000	281.594805	0.000	517764.204	4067940.976	73.011859	299.574	149.906297	89.380719	419.820	366.275157
CIRC.	180.000	283.809135	0.000	517744.939	4067935.609	72.321669	279.814	149.216107	89.714221	399.929	366.608659
CIRC.	200.000	286.023464	0.000	517725.499	4067930.914	71.359631	260.228	148.254069	89.966604	379.982	366.861042
CIRC.	220.000	288.237794	0.000	517705.907	4067926.899	70.063004	240.881	146.957442	90.124162	359.996	367.018600
CIRC.	240.000	290.452124	0.000	517686.187	4067923.568	68.350492	221.865	145.244930	90.170014	339.990	367.064452
CIRC.	260.000	292.666453	0.000	517666.364	4067920.924	66.116278	203.299	143.010716	90.083158	319.989	366.977596
CIRC.	280.000	294.880783	0.000	517646.460	4067918.971	63.222808	185.342	140.117246	89.837194	300.018	366.731632

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 423.353 Dis=-106.887 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 530.411 Dis= -88.681 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	297.095113	0.000	517626.501	4067917.711	59.493480	168.215	136.387918	89.398555	280.111	366.292993
CIRC.	320.000	299.309442	0.000	517606.510	4067917.147	54.709175	152.224	131.603613	88.724059	260.309	365.618497
CIRC.	340.000	301.523772	0.000	517586.512	4067917.278	48.618698	137.786	125.513136	87.757461	240.667	364.651899
CLOT.	350.730	302.711777	0.000	517575.788	4067917.634	44.726659	130.868	121.621097	87.093538	230.217	363.987976
CLOT.	360.000	303.681588	0.000	517566.530	4067918.101	40.984629	125.456	117.879067	86.425377	221.251	363.319815
CLOT.	380.000	305.388994	0.000	517546.582	4067919.538	31.707157	115.857	108.601595	84.652498	202.130	361.546936
CLOT.	400.000	306.570267	0.000	517526.672	4067921.428	20.963612	109.558	97.858050	82.363596	183.358	359.258034
CLOT.	420.000	307.225409	0.000	517506.790	4067923.604	9.279861	106.984	86.174299	79.455647	164.995	356.350085
RECTA	434.904	307.371497	0.000	517491.985	4067925.315	0.430979	107.563	77.325417	76.801204	151.622	353.695642
RECTA	440.000	307.371497	0.000	517486.923	4067925.904	397.449199	108.236	74.343637	75.782090	147.120	352.676528
RECTA	460.000	307.371497	0.000	517467.057	4067928.214	386.264473	113.083	63.158911	71.108625	129.875	348.003063
RECTA	480.000	307.371497	0.000	517447.191	4067930.525	376.276833	121.083	53.171271	65.049247	113.540	341.943685
CLOT.	482.607	307.371497	0.000	517444.601	4067930.826	375.078240	122.328	51.972678	64.130624	111.499	341.025062
CLOT.	500.000	313.389934	0.000	517427.404	4067933.378	367.868051	132.099	44.762489	56.815526	98.969	333.709964
CIRC.	502.607	315.329244	0.000	517424.863	4067933.960	366.943701	133.852	43.838139	55.476168	97.377	332.370606
CIRC.	520.000	329.170227	0.000	517408.553	4067939.904	362.099991	147.537	38.994429	44.776062	89.988	321.670500
CLOT.	528.949	336.291298	0.000	517400.766	4067944.303	360.470268	155.601	37.364706	38.461422	88.741	315.355860

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 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 423.353 Dis=-106.887 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 530.411 Dis= -88.681 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	540.000	342.655954	0.000	517391.816	4067950.779	359.124038	166.116	36.018476	30.597559	89.670	307.491997
RECTA	548.949	344.249045	0.000	517384.896	4067956.452	358.342809	174.820	35.237247	24.519676	91.921	301.414114
RECTA	560.000	344.249045	0.000	517376.408	4067963.530	357.510190	185.622	34.404628	17.513923	95.872	294.408361
RECTA	560.861	344.249045	0.000	517375.748	4067964.081	357.449405	186.464	34.343843	16.993848	96.227	293.888286

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 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 530.411 Dis= -88.681 K : 0.999603710
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 560.861 Dis=-177.080 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	268.755465	0.000	517911.483	4068002.858	85.338498	576.553	190.443295	86.976547	694.999	392.081344
CIRC.	20.000	270.200685	0.000	517893.738	4067993.632	85.902151	557.185	191.006948	87.488135	675.764	392.592932
CIRC.	40.000	271.645906	0.000	517875.789	4067984.812	86.454333	537.749	191.559130	87.987330	656.450	393.092127
CIRC.	60.000	273.091127	0.000	517857.644	4067976.402	86.993711	518.248	192.098508	88.472953	637.061	393.577750
CIRC.	80.000	274.536348	0.000	517839.312	4067968.405	87.518735	498.685	192.623532	88.943667	617.598	394.048464
CIRC.	100.000	275.981569	0.000	517820.804	4067960.827	88.027598	479.062	193.132395	89.397956	598.066	394.502753
CLOT.	112.160	276.860237	0.000	517809.469	4067956.425	88.328189	467.105	193.432986	89.665404	586.159	394.770202
CLOT.	120.000	277.467217	0.000	517802.128	4067953.672	88.517947	459.384	193.622744	89.833917	578.468	394.938714
CLOT.	140.000	279.381757	0.000	517783.271	4067947.010	88.977332	439.641	194.082129	90.241785	558.796	395.346582
CIRC.	141.396	279.535034	0.000	517781.947	4067946.568	89.007552	438.260	194.112349	90.268673	557.419	395.373470
CIRC.	160.000	281.594805	0.000	517764.204	4067940.976	89.380719	419.820	194.485516	90.602410	539.032	395.707207
CIRC.	180.000	283.809135	0.000	517744.939	4067935.609	89.714221	399.929	194.819018	90.906076	519.185	396.010873
CIRC.	200.000	286.023464	0.000	517725.499	4067930.914	89.966604	379.982	195.071401	91.145747	499.270	396.250544
CIRC.	220.000	288.237794	0.000	517705.907	4067926.899	90.124162	359.996	195.228959	91.313233	479.304	396.418031
CIRC.	240.000	290.452124	0.000	517686.187	4067923.568	90.170014	339.990	195.274811	91.398956	459.307	396.503753
CIRC.	260.000	292.666453	0.000	517666.364	4067920.924	90.083158	319.989	195.187955	91.391654	439.300	396.496451
CIRC.	280.000	294.880783	0.000	517646.460	4067918.971	89.837194	300.018	194.941991	91.278027	419.308	396.382824

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 PROYECTO :
 EJE : 6 : Salida Almería El Ejido

pagina 73

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 530.411 Dis= -88.681 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 560.861 Dis=-177.080 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	300.000	297.095113	0.000	517626.501	4067917.711	89.398555	280.111	194.503352	91.042286	399.359	396.147083
CIRC.	320.000	299.309442	0.000	517606.510	4067917.147	88.724059	260.309	193.828856	90.665595	379.485	395.770392
CIRC.	340.000	301.523772	0.000	517586.512	4067917.278	87.757461	240.667	192.862258	90.125382	359.725	395.230179
CLOT.	350.730	302.711777	0.000	517575.788	4067917.634	87.093538	230.217	192.198335	89.758902	349.187	394.863699
CLOT.	360.000	303.681588	0.000	517566.530	4067918.101	86.425377	221.251	191.530174	89.394985	340.125	394.499782
CLOT.	380.000	305.388994	0.000	517546.582	4067919.538	84.652498	202.130	189.757295	88.456677	320.719	393.561474
CLOT.	400.000	306.570267	0.000	517526.672	4067921.428	82.363596	183.358	187.468393	87.305678	301.517	392.410475
CLOT.	420.000	307.225409	0.000	517506.790	4067923.604	79.455647	164.995	184.560444	85.936906	282.519	391.041703
RECTA	434.904	307.371497	0.000	517491.985	4067925.315	76.801204	151.622	181.906001	84.771424	268.487	389.876221
RECTA	440.000	307.371497	0.000	517486.923	4067925.904	75.782090	147.120	180.886888	84.343648	263.713	389.448445
RECTA	460.000	307.371497	0.000	517467.057	4067928.214	71.108625	129.875	176.213422	82.504332	245.102	387.609130
RECTA	480.000	307.371497	0.000	517447.191	4067930.525	65.049247	113.540	170.154044	80.364885	226.729	385.469682
CLOT.	482.607	307.371497	0.000	517444.601	4067930.826	64.130624	111.499	169.235421	80.060287	224.355	385.165084
CLOT.	500.000	313.389934	0.000	517427.404	4067933.378	56.815526	98.969	161.920323	77.704349	208.917	382.809146
CIRC.	502.607	315.329244	0.000	517424.863	4067933.960	55.476168	97.377	160.580965	77.267327	206.734	382.372124
CIRC.	520.000	329.170227	0.000	517408.553	4067939.904	44.776062	89.988	149.880859	73.562675	193.854	378.667472
CLOT.	528.949	336.291298	0.000	517400.766	4067944.303	38.461422	88.741	143.566219	71.142561	188.637	376.247358

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 PROYECTO :
 EJE : 6 : Salida Almería El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 530.411 Dis= -88.681 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 560.861 Dis=-177.080 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	540.000	342.655954	0.000	517391.816	4067950.779	30.597559	89.670	135.702356	67.763484	183.684	372.868281
RECTA	548.949	344.249045	0.000	517384.896	4067956.452	24.519676	91.921	129.624473	64.828890	180.575	369.933687
RECTA	560.000	344.249045	0.000	517376.408	4067963.530	17.513923	95.872	122.618720	61.064131	177.373	366.168928
RECTA	560.861	344.249045	0.000	517375.748	4067964.081	16.993848	96.227	122.098645	60.765478	177.150	365.870275

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 0.000 Dis=-206.480 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 42.348 Dis= -92.564 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	266.640929	0.000	517362.353	4067979.097	357.077392	206.562	33.971830	7.044838	108.505	283.939276
CLOT.	13.015	266.640929	0.000	517351.085	4067972.585	353.151976	208.907	30.046414	0.445956	101.329	277.340394
CLOT.	20.000	267.611688	0.000	517345.019	4067969.121	351.087959	210.522	27.982397	396.517684	98.007	273.412122
CIRC.	33.015	274.598676	0.000	517333.379	4067963.315	347.407750	214.796	24.302188	388.371926	93.609	265.266364
CIRC.	40.000	280.157475	0.000	517326.832	4067960.885	345.589791	218.054	22.484229	383.639514	92.665	260.533952
CIRC.	60.000	296.072969	0.000	517307.230	4067957.183	341.267834	230.947	18.162272	370.363106	96.150	247.257544
CLOT.	76.339	309.075015	0.000	517290.933	4067957.842	338.841246	244.519	15.735684	361.685411	105.032	238.579849
CLOT.	80.000	311.721799	0.000	517287.321	4067958.440	338.435360	247.828	15.329798	360.123504	107.603	237.017942
RECTA	96.339	317.032763	0.000	517271.455	4067962.318	337.027961	263.162	13.922399	354.524877	120.517	231.419315
RECTA	100.000	317.032763	0.000	517267.924	4067963.286	336.757805	266.648	13.652243	353.476782	123.580	230.371220
RECTA	120.000	317.032763	0.000	517248.636	4067968.574	335.398653	285.768	12.293091	348.571966	140.815	225.466404
RECTA	140.000	317.032763	0.000	517229.347	4067973.861	334.210438	305.002	11.104876	344.754152	158.703	221.648590
RECTA	160.000	317.032763	0.000	517210.059	4067979.148	333.163513	324.330	10.057951	341.718268	177.045	218.612706
RECTA	180.000	317.032763	0.000	517190.770	4067984.436	332.234567	343.736	9.129005	339.256811	195.714	216.151249
RECTA	200.000	317.032763	0.000	517171.482	4067989.723	331.405060	363.207	8.299498	337.226498	214.624	214.120936
RECTA	220.000	317.032763	0.000	517152.193	4067995.011	330.660077	382.733	7.554515	335.526407	233.717	212.420845
CLOT.	228.906	317.032763	0.000	517143.604	4067997.365	330.352260	391.444	7.246698	334.855778	242.267	211.750216

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 0.000 Dis=-206.480 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 42.348 Dis= -92.564 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	317.106816	0.000	517132.906	4068000.302	329.988168	402.308	6.882606	334.085010	252.953	210.979448
CLOT.	260.000	317.614514	0.000	517113.642	4068005.677	329.391432	421.940	6.285870	332.867409	272.321	209.761847
CLOT.	280.000	318.603589	0.000	517094.442	4068011.277	328.881188	441.646	5.775626	331.861893	291.827	208.756331
CLOT.	300.000	320.074040	0.000	517075.355	4068017.247	328.467264	461.437	5.361702	331.060097	311.471	207.954535
CIRC.	317.073	321.710150	0.000	517059.191	4068022.743	328.196424	478.399	5.090862	330.531929	328.343	207.426367
CIRC.	320.000	322.020711	0.000	517056.435	4068023.728	328.157972	481.313	5.052410	330.455555	331.244	207.349993
CIRC.	340.000	324.142777	0.000	517037.736	4068030.822	327.955576	501.259	4.850014	330.036333	351.125	206.930771
CLOT.	341.962	324.350985	0.000	517035.914	4068031.551	327.941116	503.218	4.835554	330.004188	353.080	206.898626
CLOT.	360.000	326.069069	0.000	517019.276	4068038.517	327.847730	521.247	4.742168	329.772865	371.076	206.667303
CLOT.	380.000	327.516301	0.000	517001.027	4068046.699	327.810214	541.252	4.704652	329.622499	391.063	206.516937
CLOT.	400.000	328.482157	0.000	516982.936	4068055.226	327.818382	561.260	4.712820	329.545450	411.065	206.439888
CLOT.	420.000	328.966638	0.000	516964.943	4068063.958	327.850948	581.265	4.745386	329.509205	431.072	206.403643
CLOT.	430.129	329.028372	0.000	516955.847	4068068.415	327.870768	591.397	4.765206	329.497689	441.204	206.392127
CLOT.	440.000	328.969742	0.000	516946.984	4068072.759	327.889458	601.270	4.783896	329.486987	451.079	206.381425
CLOT.	460.000	328.491471	0.000	516928.991	4068081.493	327.917838	621.276	4.812276	329.456567	471.086	206.351005
CIRC.	474.212	327.859025	0.000	516916.150	4068087.584	327.924050	635.494	4.818488	329.419624	485.301	206.314062
CIRC.	480.000	327.551979	0.000	516910.902	4068090.024	327.922077	641.284	4.816515	329.399416	491.089	206.293854

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 0.000 Dis=-206.480 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 42.348 Dis= -92.564 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	500.000	326.490946	0.000	516892.677	4068098.260	327.894829	661.290	4.789267	329.306347	511.083	206.200785
CIRC.	517.945	325.538946	0.000	516876.210	4068105.391	327.845152	679.234	4.739590	329.194705	529.011	206.089143

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 42.348 Dis= -92.564 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 108.524 Dis=-107.643 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	266.640929	0.000	517362.353	4067979.097	7.044838	108.505	112.149635	53.515631	176.038	358.620428
CLOT.	13.015	266.640929	0.000	517351.085	4067972.585	0.445956	101.329	105.550753	52.476617	163.316	357.581414
CLOT.	20.000	267.611688	0.000	517345.019	4067969.121	396.517684	98.007	101.622481	51.835324	156.516	356.940121
CIRC.	33.015	274.598676	0.000	517333.379	4067963.315	388.371926	93.609	93.476723	50.170004	144.110	355.274801
CIRC.	40.000	280.157475	0.000	517326.832	4067960.885	383.639514	92.665	88.744311	48.832003	137.783	353.936800
CIRC.	60.000	296.072969	0.000	517307.230	4067957.183	370.363106	96.150	75.467903	42.800113	122.055	347.904910
CLOT.	76.339	309.075015	0.000	517290.933	4067957.842	361.685411	105.032	66.790208	35.377709	113.186	340.482506
CLOT.	80.000	311.721799	0.000	517287.321	4067958.440	360.123504	107.603	65.228301	33.450579	111.839	338.555376
RECTA	96.339	317.032763	0.000	517271.455	4067962.318	354.524877	120.517	59.629674	24.208462	108.374	329.313259
RECTA	100.000	317.032763	0.000	517267.924	4067963.286	353.476782	123.580	58.581579	22.063250	108.023	327.168047
RECTA	120.000	317.032763	0.000	517248.636	4067968.574	348.571966	140.815	53.676763	10.270971	108.296	315.375768
RECTA	140.000	317.032763	0.000	517229.347	4067973.861	344.754152	158.703	49.858949	398.922033	112.195	304.026830
RECTA	160.000	317.032763	0.000	517210.059	4067979.148	341.718268	177.045	46.823065	388.635295	119.366	293.740092
RECTA	180.000	317.032763	0.000	517190.770	4067984.436	339.256811	195.714	44.361608	379.716520	129.264	284.821317
RECTA	200.000	317.032763	0.000	517171.482	4067989.723	337.226498	214.624	42.331295	372.190290	141.318	277.295087
RECTA	220.000	317.032763	0.000	517152.193	4067995.011	335.526407	233.717	40.631204	365.919233	155.026	271.024030
CLOT.	228.906	317.032763	0.000	517143.604	4067997.365	334.855778	242.267	39.960575	363.479768	161.554	268.584565

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 42.348 Dis= -92.564 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 108.524 Dis=-107.643 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	317.106816	0.000	517132.906	4068000.302	334.085010	252.953	39.189807	360.709705	169.991	265.814502
CLOT.	260.000	317.614514	0.000	517113.642	4068005.677	332.867409	272.321	37.972206	356.391095	185.957	261.495892
CLOT.	280.000	318.603589	0.000	517094.442	4068011.277	331.861893	291.827	36.966690	352.832083	202.764	257.936880
CLOT.	300.000	320.074040	0.000	517075.355	4068017.247	331.060097	311.471	36.164894	349.924348	220.290	255.029145
CIRC.	317.073	321.710150	0.000	517059.191	4068022.743	330.531929	328.343	35.636726	347.890874	235.740	252.995672
CIRC.	320.000	322.020711	0.000	517056.435	4068023.728	330.455555	331.244	35.560352	347.580086	238.430	252.684883
CIRC.	340.000	324.142777	0.000	517037.736	4068030.822	330.036333	351.125	35.141130	345.719996	257.084	250.824793
CLOT.	341.962	324.350985	0.000	517035.914	4068031.551	330.004188	353.080	35.108986	345.560270	258.937	250.665067
CLOT.	360.000	326.069069	0.000	517019.276	4068038.517	329.772865	371.076	34.877662	344.254896	276.128	249.359693
CLOT.	380.000	327.516301	0.000	517001.027	4068046.699	329.622499	391.063	34.727296	343.089663	295.440	248.194460
CLOT.	400.000	328.482157	0.000	516982.936	4068055.226	329.545450	411.065	34.650248	342.142341	314.927	247.247138
CLOT.	420.000	328.966638	0.000	516964.943	4068063.958	329.509205	431.072	34.614002	341.348060	334.520	246.452857
CLOT.	430.129	329.028372	0.000	516955.847	4068068.415	329.497689	441.204	34.602486	340.987322	344.469	246.092119
CLOT.	440.000	328.969742	0.000	516946.984	4068072.759	329.486987	451.079	34.591784	340.655309	354.175	245.760106
CLOT.	460.000	328.491471	0.000	516928.991	4068081.493	329.456567	471.086	34.561364	340.022947	373.853	245.127744
CIRC.	474.212	327.859025	0.000	516916.150	4068087.584	329.419624	485.301	34.524421	339.591844	387.835	244.696641
CIRC.	480.000	327.551979	0.000	516910.902	4068090.024	329.399416	491.089	34.504213	339.417974	393.526	244.522771

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 42.348 Dis= -92.564 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 108.524 Dis=-107.643 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	500.000	326.490946	0.000	516892.677	4068098.260	329.306347	511.083	34.411144	338.821458	413.174	243.926255
CIRC.	517.945	325.538946	0.000	516876.210	4068105.391	329.194705	529.011	34.299502	338.291361	430.779	243.396158

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 EJE : 7 : Entrada El Ejido - Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 108.524 Dis=-107.643 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 243.343 Dis= -68.843 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	266.640929	0.000	517362.353	4067979.097	53.515631	176.038	118.656151	88.887398	254.974	354.027918
CLOT.	13.015	266.640929	0.000	517351.085	4067972.585	52.476617	163.316	117.617138	90.056351	242.782	355.196871
CLOT.	20.000	267.611688	0.000	517345.019	4067969.121	51.835324	156.516	116.975844	90.724489	236.262	355.865009
CIRC.	33.015	274.598676	0.000	517333.379	4067963.315	50.170004	144.110	115.310524	91.877760	223.934	357.018280
CIRC.	40.000	280.157475	0.000	517326.832	4067960.885	48.832003	137.783	113.972523	92.340245	217.134	357.480765
CIRC.	60.000	296.072969	0.000	517307.230	4067957.183	42.800113	122.055	107.940633	92.767433	197.226	357.907953
CLOT.	76.339	309.075015	0.000	517290.933	4067957.842	35.377709	113.186	100.518229	91.887431	181.120	357.027951
CLOT.	80.000	311.721799	0.000	517287.321	4067958.440	33.450579	111.839	98.591099	91.510220	177.615	356.650740
RECTA	96.339	317.032763	0.000	517271.455	4067962.318	24.208462	108.374	89.348982	89.176418	162.508	354.316938
RECTA	100.000	317.032763	0.000	517267.924	4067963.286	22.063250	108.023	87.203770	88.555787	159.198	353.696307
RECTA	120.000	317.032763	0.000	517248.636	4067968.574	10.270971	108.296	75.411492	84.657594	141.424	349.798114
RECTA	140.000	317.032763	0.000	517229.347	4067973.861	398.922033	112.195	64.062553	79.664166	124.330	344.804686
RECTA	160.000	317.032763	0.000	517210.059	4067979.148	388.635295	119.366	53.775815	73.135121	108.240	338.275641
RECTA	180.000	317.032763	0.000	517190.770	4067984.436	379.716520	129.264	44.857040	64.457508	93.672	329.598028
RECTA	200.000	317.032763	0.000	517171.482	4067989.723	372.190290	141.318	37.330810	52.897557	81.447	318.038077
RECTA	220.000	317.032763	0.000	517152.193	4067995.011	365.919233	155.026	31.059753	37.959288	72.756	303.099808
CLOT.	228.906	317.032763	0.000	517143.604	4067997.365	363.479768	161.554	28.620289	30.313765	70.387	295.454285

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 EJE : 7 : Entrada El Ejido - Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 108.524 Dis=-107.643 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 243.343 Dis= -68.843 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	317.106816	0.000	517132.906	4068000.302	360.709705	169.991	25.850225	20.246737	68.953	285.387257
CLOT.	260.000	317.614514	0.000	517113.642	4068005.677	356.391095	185.957	21.531615	2.056050	70.909	267.196570
CLOT.	280.000	318.603589	0.000	517094.442	4068011.277	352.832083	202.764	17.972603	386.140015	78.323	251.280536
CLOT.	300.000	320.074040	0.000	517075.355	4068017.247	349.924348	220.290	15.064868	373.782641	89.969	238.923161
CIRC.	317.073	321.710150	0.000	517059.191	4068022.743	347.890874	235.740	13.031395	365.907373	102.261	231.047893
CIRC.	320.000	322.020711	0.000	517056.435	4068023.728	347.580086	238.430	12.720606	364.769705	104.533	229.910225
CIRC.	340.000	324.142777	0.000	517037.736	4068030.822	345.719996	257.084	10.860516	358.348870	121.016	223.489390
CLOT.	341.962	324.350985	0.000	517035.914	4068031.551	345.560270	258.937	10.700790	357.829019	122.708	222.969539
CLOT.	360.000	326.069069	0.000	517019.276	4068038.517	344.254896	276.128	9.395416	353.770272	138.722	218.910792
CLOT.	380.000	327.516301	0.000	517001.027	4068046.699	343.089663	295.440	8.230183	350.441275	157.180	215.581795
CLOT.	400.000	328.482157	0.000	516982.936	4068055.226	342.142341	314.927	7.282861	347.947578	176.097	213.088098
CLOT.	420.000	328.966638	0.000	516964.943	4068063.958	341.348060	334.520	6.488580	346.011571	195.293	211.152091
CLOT.	430.129	329.028372	0.000	516955.847	4068068.415	340.987322	344.469	6.127842	345.181363	205.084	210.321883
CLOT.	440.000	328.969742	0.000	516946.984	4068072.759	340.655309	354.175	5.795829	344.445332	214.657	209.585852
CLOT.	460.000	328.491471	0.000	516928.991	4068081.493	340.022947	373.853	5.163467	343.119132	234.112	208.259652
CIRC.	474.212	327.859025	0.000	516916.150	4068087.584	339.591844	387.835	4.732364	342.271221	247.963	207.411741
CIRC.	480.000	327.551979	0.000	516910.902	4068090.024	339.417974	393.526	4.558494	341.941568	253.605	207.082088

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 108.524 Dis=-107.643 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 243.343 Dis= -68.843 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	500.000	326.490946	0.000	516892.677	4068098.260	338.821458	413.174	3.961978	340.858449	273.106	205.998969
CIRC.	517.945	325.538946	0.000	516876.210	4068105.391	338.291361	430.779	3.431881	339.949755	290.601	205.090275

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 243.343 Dis= -68.843 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 402.337 Dis= -48.171 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	266.640929	0.000	517362.353	4067979.097	88.887398	254.974	158.604274	105.324824	403.991	375.041700
CLOT.	13.015	266.640929	0.000	517351.085	4067972.585	90.056351	242.782	159.773227	106.527900	393.372	376.244776
CLOT.	20.000	267.611688	0.000	517345.019	4067969.121	90.724489	236.262	160.441364	107.195978	387.712	376.912854
CIRC.	33.015	274.598676	0.000	517333.379	4067963.315	91.877760	223.934	161.594635	108.392896	376.863	378.109771
CIRC.	40.000	280.157475	0.000	517326.832	4067960.885	92.340245	217.134	162.057121	108.954532	370.704	378.671407
CIRC.	60.000	296.072969	0.000	517307.230	4067957.183	92.767433	197.226	162.484309	110.115489	351.867	379.832364
CLOT.	76.339	309.075015	0.000	517290.933	4067957.842	91.887431	181.120	161.604307	110.481227	335.670	380.198103
CLOT.	80.000	311.721799	0.000	517287.321	4067958.440	91.510220	177.615	161.227096	110.481650	332.007	380.198526
RECTA	96.339	317.032763	0.000	517271.455	4067962.318	89.176418	162.508	158.893293	110.234440	315.715	379.951316
RECTA	100.000	317.032763	0.000	517267.924	4067963.286	88.555787	159.198	158.272662	110.154805	312.074	379.871680
RECTA	120.000	317.032763	0.000	517248.636	4067968.574	84.657594	141.424	154.374470	109.684743	292.191	379.401619
RECTA	140.000	317.032763	0.000	517229.347	4067973.861	79.664166	124.330	149.381042	109.146071	272.325	378.862947
RECTA	160.000	317.032763	0.000	517210.059	4067979.148	73.135121	108.240	142.851996	108.522680	252.483	378.239556
RECTA	180.000	317.032763	0.000	517190.770	4067984.436	64.457508	93.672	134.174384	107.793033	232.669	377.509909
RECTA	200.000	317.032763	0.000	517171.482	4067989.723	52.897557	81.447	122.614432	106.927683	212.891	376.644558
RECTA	220.000	317.032763	0.000	517152.193	4067995.011	37.959288	72.756	107.676163	105.885322	193.160	375.602198
CLOT.	228.906	317.032763	0.000	517143.604	4067997.365	30.313765	70.387	100.030640	105.349420	184.393	375.066295

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 243.343 Dis= -68.843 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 402.337 Dis= -48.171 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	317.106816	0.000	517132.906	4068000.302	20.246737	68.953	89.963612	104.604681	173.494	374.321557
CLOT.	260.000	317.614514	0.000	517113.642	4068005.677	2.056050	70.909	71.772926	102.962712	153.935	372.679587
CLOT.	280.000	318.603589	0.000	517094.442	4068011.277	386.140015	78.323	55.856891	100.737307	134.571	370.454182
CLOT.	300.000	320.074040	0.000	517075.355	4068017.247	373.782641	89.969	43.499517	97.567451	115.551	367.284326
CIRC.	317.073	321.710150	0.000	517059.191	4068022.743	365.907373	102.261	35.624249	93.666297	99.789	363.383173
CIRC.	320.000	322.020711	0.000	517056.435	4068023.728	364.769705	104.533	34.486580	92.843882	97.152	362.560758
CIRC.	340.000	324.142777	0.000	517037.736	4068030.822	358.348870	121.016	28.065745	85.536428	79.885	355.253304
CLOT.	341.962	324.350985	0.000	517035.914	4068031.551	357.829019	122.708	27.545895	84.624374	78.282	354.341250
CLOT.	360.000	326.069069	0.000	517019.276	4068038.517	353.770272	138.722	23.487148	73.997919	64.687	343.714794
CLOT.	380.000	327.516301	0.000	517001.027	4068046.699	350.441275	157.180	20.158150	56.120577	53.270	325.837453
CLOT.	400.000	328.482157	0.000	516982.936	4068055.226	347.947578	176.097	17.664453	31.649867	48.248	301.366743
CLOT.	420.000	328.966638	0.000	516964.943	4068063.958	346.011571	195.293	15.728447	6.217634	51.388	275.934510
CLOT.	430.129	329.028372	0.000	516955.847	4068068.415	345.181363	205.084	14.898239	395.327588	55.753	265.044463
CLOT.	440.000	328.969742	0.000	516946.984	4068072.759	344.445332	214.657	14.162207	386.450155	61.332	256.167031
CLOT.	460.000	328.491471	0.000	516928.991	4068081.493	343.119132	234.112	12.836008	373.044580	75.339	242.761456
CIRC.	474.212	327.859025	0.000	516916.150	4068087.584	342.271221	247.963	11.988096	366.267520	86.662	235.984396
CIRC.	480.000	327.551979	0.000	516910.902	4068090.024	341.941568	253.605	11.658444	363.972925	91.482	233.689800

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 PROYECTO :
 EJE : 7 : Entrada El Ejido - Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 243.343 Dis= -68.843 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 402.337 Dis= -48.171 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	500.000	326.490946	0.000	516892.677	4068098.260	340.858449	273.106	10.575325	357.540071	108.767	227.256946
CIRC.	517.945	325.538946	0.000	516876.210	4068105.391	339.949755	290.601	9.666631	353.186953	124.854	222.903828

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 0.000 Dis=-136.788 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 6.573 Dis= -47.842 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	74.580335	0.000	517362.918	4067824.665	117.466558	136.843	22.571355	183.272656	48.310	288.377453

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 6.573 Dis= -47.842 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 130.647 Dis= 30.032 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	74.580335	0.000	517362.918	4067824.665	183.272656	48.310	60.167094	303.403736	128.573	380.298174
RECTA	20.000	74.580335	0.000	517381.345	4067832.441	157.161584	49.710	34.056022	308.432025	110.927	385.326463
CLOT.	26.125	74.580335	0.000	517386.988	4067834.822	149.882008	51.703	26.776446	310.303562	105.692	387.198000
CLOT.	40.000	78.410460	0.000	517399.875	4067839.958	135.933609	58.611	12.828047	315.146009	94.068	392.040447
CIRC.	46.125	82.538082	0.000	517405.709	4067841.818	131.164257	62.723	8.058695	317.426898	88.891	394.321336
CLOT.	54.626	89.302833	0.000	517413.999	4067843.682	126.071201	69.387	2.965639	320.581283	81.511	397.475721
CLOT.	60.000	93.005031	0.000	517419.322	4067844.418	123.666271	74.031	0.560709	322.564595	76.733	399.459033
RECTA	74.626	97.260580	0.000	517433.914	4067845.372	119.157696	87.504	396.052134	328.535712	63.654	5.430150
RECTA	80.000	97.260580	0.000	517439.283	4067845.604	117.910920	92.584	394.805358	331.274817	58.968	8.169255
RECTA	100.000	97.260580	0.000	517459.265	4067846.464	114.275522	111.730	391.169960	346.513543	42.974	23.407981
CLOT.	113.610	97.260580	0.000	517472.862	4067847.049	112.442731	124.913	389.337169	364.262484	34.569	41.156922
CLOT.	120.000	97.236007	0.000	517479.246	4067847.325	111.709165	131.134	388.603603	375.406081	31.890	52.300519
CLOT.	140.000	96.841508	0.000	517499.225	4067848.243	109.783319	150.685	386.677757	16.295783	31.483	93.190221
CLOT.	160.000	95.965632	0.000	517519.194	4067849.359	108.227448	170.306	385.121886	46.125616	42.167	123.020054
CLOT.	180.000	94.608381	0.000	517539.139	4067850.826	106.877805	189.947	383.772243	61.558279	58.192	138.452717
CLOT.	200.000	92.769753	0.000	517559.042	4067852.793	105.631351	209.569	382.525789	69.659769	76.316	146.554207
CIRC.	201.776	92.583194	0.000	517560.806	4067852.997	105.523168	211.309	382.417606	70.172895	77.980	147.067333

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 6.573 Dis= -47.842 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 130.647 Dis= 30.032 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	220.000	90.649586	0.000	517578.872	4067855.389	104.425474	229.141	381.319912	74.197229	95.377	151.091667
CIRC.	240.000	88.527520	0.000	517598.604	4067858.646	103.242366	248.650	380.136804	76.851946	114.902	153.746384
CIRC.	260.000	86.405454	0.000	517618.217	4067862.557	102.076994	268.090	378.971432	78.421713	134.672	155.316152
CIRC.	280.000	84.283388	0.000	517637.688	4067867.121	100.925708	287.457	377.820146	79.315993	154.576	156.210431
CIRC.	300.000	82.161322	0.000	517656.997	4067872.331	99.785795	306.745	376.680233	79.763465	174.550	156.657903
CLOT.	314.775	80.593654	0.000	517671.144	4067876.591	98.949767	320.939	375.844205	79.889456	189.326	156.783894
CLOT.	320.000	80.055684	0.000	517676.121	4067878.181	98.655282	325.948	375.549720	79.901075	194.553	156.795513
CLOT.	340.000	78.300067	0.000	517695.056	4067884.618	97.541252	345.075	374.435690	79.829899	214.559	156.724337
CLOT.	360.000	77.025827	0.000	517713.833	4067891.504	96.464625	364.163	373.359063	79.641674	234.556	156.536112
CLOT.	380.000	76.232962	0.000	517732.496	4067898.694	95.443759	383.253	372.338197	79.401837	254.542	156.296275
CLOT.	400.000	75.921474	0.000	517751.095	4067906.046	94.493633	402.383	371.388071	79.156722	274.524	156.051160
RECTA	402.942	75.916267	0.000	517753.829	4067907.132	94.360635	405.203	371.255073	79.122387	277.463	156.016825
RECTA	420.000	75.916267	0.000	517769.681	4067913.432	93.624417	421.585	370.518855	78.936688	294.508	155.831126
CLOT.	433.246	75.916267	0.000	517781.991	4067918.325	93.091095	434.342	369.985533	78.806679	307.745	155.701117
CLOT.	440.000	75.901158	0.000	517788.267	4067920.820	92.830978	440.858	369.725416	78.744495	314.495	155.638933
CLOT.	460.000	75.679182	0.000	517806.841	4067928.237	92.099804	460.185	368.994242	78.569157	334.483	155.463595
CLOT.	480.000	75.192225	0.000	517825.373	4067935.758	91.413318	479.541	368.307756	78.393606	354.468	155.288044

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 6.573 Dis= -47.842 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 130.647 Dis= 30.032 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	500.000	74.440285	0.000	517843.831	4067943.458	90.756073	498.902	367.650511	78.203735	374.446	155.098173
CLOT.	520.000	73.423363	0.000	517862.180	4067951.414	90.114888	518.243	367.009326	77.988310	394.412	154.882748
CIRC.	539.375	72.185513	0.000	517879.816	4067959.436	89.498393	536.940	366.392831	77.746691	413.734	154.641129
CIRC.	540.000	72.141589	0.000	517880.382	4067959.700	89.478486	537.542	366.372924	77.738280	414.356	154.632718
CIRC.	553.200	71.213530	0.000	517892.298	4067965.381	89.056822	550.247	365.951260	77.551350	427.504	154.445788

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 130.647 Dis= 30.032 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 263.263 Dis= 11.238 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	74.580335	0.000	517362.918	4067824.665	303.403736	128.573	219.605458	293.285508	262.489	9.487231
RECTA	20.000	74.580335	0.000	517381.345	4067832.441	308.432025	110.927	224.633748	294.801176	243.407	11.002899
CLOT.	26.125	74.580335	0.000	517386.988	4067834.822	310.303562	105.692	226.505284	295.313919	237.594	11.515642
CLOT.	40.000	78.410460	0.000	517399.875	4067839.958	315.146009	94.068	231.347732	296.498709	224.398	12.700432
CIRC.	46.125	82.538082	0.000	517405.709	4067841.818	317.426898	88.891	233.628620	296.946692	218.473	13.148415
CLOT.	54.626	89.302833	0.000	517413.999	4067843.682	320.581283	81.511	236.783005	297.390556	210.105	13.592279
CLOT.	60.000	93.005031	0.000	517419.322	4067844.418	322.564595	76.733	238.766317	297.551533	204.755	13.753255
RECTA	74.626	97.260580	0.000	517433.914	4067845.372	328.535712	63.654	244.737435	297.683037	190.132	13.884759
RECTA	80.000	97.260580	0.000	517439.283	4067845.604	331.274817	58.968	247.476539	297.695330	184.756	13.897053
RECTA	100.000	97.260580	0.000	517459.265	4067846.464	346.513543	42.974	262.715266	297.748128	164.749	13.949851
CLOT.	113.610	97.260580	0.000	517472.862	4067847.049	364.262484	34.569	280.464206	297.792048	151.134	13.993771
CLOT.	120.000	97.236007	0.000	517479.246	4067847.325	375.406081	31.890	291.607804	297.815884	144.741	14.017607
CLOT.	140.000	96.841508	0.000	517499.225	4067848.243	16.295783	31.483	332.497506	297.934101	124.735	14.135823
CLOT.	160.000	95.965632	0.000	517519.194	4067849.359	46.125616	42.167	362.327339	298.218796	104.734	14.420519
CLOT.	180.000	94.608381	0.000	517539.139	4067850.826	61.558279	58.192	377.760002	298.901219	84.752	15.102942
CLOT.	200.000	92.769753	0.000	517559.042	4067852.793	69.659769	76.316	385.861492	300.495756	64.831	16.697479
CIRC.	201.776	92.583194	0.000	517560.806	4067852.997	70.172895	77.980	386.374618	300.715496	63.068	16.917219

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 130.647 Dis= 30.032 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 263.263 Dis= 11.238 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	220.000	90.649586	0.000	517578.872	4067855.389	74.197229	95.377	390.398952	304.383216	45.098	20.584938
CIRC.	240.000	88.527520	0.000	517598.604	4067858.646	76.851946	114.902	393.053669	315.707884	26.040	31.909607
CIRC.	260.000	86.405454	0.000	517618.217	4067862.557	78.421713	134.672	394.623436	368.082144	11.715	84.283867
CIRC.	280.000	84.283388	0.000	517637.688	4067867.121	79.315993	154.576	395.517716	47.803317	20.297	164.005039
CIRC.	300.000	82.161322	0.000	517656.997	4067872.331	79.763465	174.550	395.965188	65.381996	38.755	181.583718
CLOT.	314.775	80.593654	0.000	517671.144	4067876.591	79.889456	189.326	396.091179	69.783030	53.198	185.984753
CLOT.	320.000	80.055684	0.000	517676.121	4067878.181	79.901075	194.553	396.102798	70.722695	58.360	186.924417
CLOT.	340.000	78.300067	0.000	517695.056	4067884.618	79.829899	214.559	396.031622	72.868788	78.237	189.070511
CLOT.	360.000	77.025827	0.000	517713.833	4067891.504	79.641674	234.556	395.843396	73.836525	98.201	190.038248
CLOT.	380.000	76.232962	0.000	517732.496	4067898.694	79.401837	254.542	395.603560	74.302373	118.193	190.504096
CLOT.	400.000	75.921474	0.000	517751.095	4067906.046	79.156722	274.524	395.358445	74.553499	138.194	190.755221
RECTA	402.942	75.916267	0.000	517753.829	4067907.132	79.122387	277.463	395.324110	74.581947	141.136	190.783670
RECTA	420.000	75.916267	0.000	517769.681	4067913.432	78.936688	294.508	395.138410	74.725872	158.198	190.927595
CLOT.	433.246	75.916267	0.000	517781.991	4067918.325	78.806679	307.745	395.008402	74.817873	171.447	191.019596
CLOT.	440.000	75.901158	0.000	517788.267	4067920.820	78.744495	314.495	394.946217	74.859326	178.203	191.061049
CLOT.	460.000	75.679182	0.000	517806.841	4067928.237	78.569157	334.483	394.770880	74.955515	198.209	191.157237
CLOT.	480.000	75.192225	0.000	517825.373	4067935.758	78.393606	354.468	394.595329	75.001566	218.216	191.203289

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 130.647 Dis= 30.032 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 263.263 Dis= 11.238 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	500.000	74.440285	0.000	517843.831	4067943.458	78.203735	374.446	394.405458	74.987857	238.224	191.189580
CLOT.	520.000	73.423363	0.000	517862.180	4067951.414	77.988310	394.412	394.190033	74.907750	258.229	191.109473
CIRC.	539.375	72.185513	0.000	517879.816	4067959.436	77.746691	413.734	393.948414	74.762366	277.602	190.964089
CIRC.	540.000	72.141589	0.000	517880.382	4067959.700	77.738280	414.356	393.940003	74.756530	278.227	190.958253
CIRC.	553.200	71.213530	0.000	517892.298	4067965.381	77.551350	427.504	393.753072	74.617062	291.417	190.818785

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
 =====

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 263.263 Dis= 11.238 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 452.453 Dis= 29.604 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	74.580335	0.000	517362.918	4067824.665	293.285508	262.489	208.531164	289.676544	454.038	4.922199
RECTA	20.000	74.580335	0.000	517381.345	4067832.441	294.801176	243.407	210.046832	290.365031	434.615	5.610686
CLOT.	26.125	74.580335	0.000	517386.988	4067834.822	295.313919	237.594	210.559575	290.588339	428.678	5.833995
CLOT.	40.000	78.410460	0.000	517399.875	4067839.958	296.498709	224.398	211.744365	291.076395	415.182	6.322050
CIRC.	46.125	82.538082	0.000	517405.709	4067841.818	296.946692	218.473	212.192348	291.236243	409.144	6.481899
CLOT.	54.626	89.302833	0.000	517413.999	4067843.682	297.390556	210.105	212.636211	291.348885	400.674	6.594541
CLOT.	60.000	93.005031	0.000	517419.322	4067844.418	297.551533	204.755	212.797188	291.350234	395.298	6.595890
RECTA	74.626	97.260580	0.000	517433.914	4067845.372	297.683037	190.132	212.928692	291.177779	380.707	6.423435
RECTA	80.000	97.260580	0.000	517439.283	4067845.604	297.695330	184.756	212.940986	291.090782	375.356	6.336438
RECTA	100.000	97.260580	0.000	517459.265	4067846.464	297.748128	164.749	212.993784	290.744029	355.447	5.989684
CLOT.	113.610	97.260580	0.000	517472.862	4067847.049	297.792048	151.134	213.037704	290.484988	341.906	5.730644
CLOT.	120.000	97.236007	0.000	517479.246	4067847.325	297.815884	144.741	213.061540	290.356296	335.550	5.601951
CLOT.	140.000	96.841508	0.000	517499.225	4067848.243	297.934101	124.735	213.179756	289.930979	315.660	5.176634
CLOT.	160.000	95.965632	0.000	517519.194	4067849.359	298.218796	104.734	213.464452	289.491174	295.764	4.736830
CLOT.	180.000	94.608381	0.000	517539.139	4067850.826	298.901219	84.752	214.146875	289.068474	275.847	4.314130
CLOT.	200.000	92.769753	0.000	517559.042	4067852.793	300.495756	64.831	215.741412	288.704403	255.897	3.950058
CIRC.	201.776	92.583194	0.000	517560.806	4067852.997	300.715496	63.068	215.961151	288.676645	254.124	3.922300

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 263.263 Dis= 11.238 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 452.453 Dis= 29.604 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	220.000	90.649586	0.000	517578.872	4067855.389	304.383216	45.098	219.628871	288.449556	235.915	3.695211
CIRC.	240.000	88.527520	0.000	517598.604	4067858.646	315.707884	26.040	230.953540	288.344018	215.911	3.589674
CIRC.	260.000	86.405454	0.000	517618.217	4067862.557	368.082144	11.715	283.327800	288.433634	195.906	3.679289
CIRC.	280.000	84.283388	0.000	517637.688	4067867.121	47.803317	20.297	363.048972	288.784816	175.925	4.030472
CIRC.	300.000	82.161322	0.000	517656.997	4067872.331	65.381996	38.755	380.627651	289.497289	156.005	4.742944
CLOT.	314.775	80.593654	0.000	517671.144	4067876.591	69.783030	53.198	385.028686	290.344029	141.357	5.589684
CLOT.	320.000	80.055684	0.000	517676.121	4067878.181	70.722695	58.360	385.968350	290.727085	136.197	5.972740
CLOT.	340.000	78.300067	0.000	517695.056	4067884.618	72.868788	78.237	388.114443	292.705442	116.576	7.951097
CLOT.	360.000	77.025827	0.000	517713.833	4067891.504	73.836525	98.201	389.082180	295.780974	97.241	11.026629
CLOT.	380.000	76.232962	0.000	517732.496	4067898.694	74.302373	118.193	389.548029	300.611908	78.361	15.857563
CLOT.	400.000	75.921474	0.000	517751.095	4067906.046	74.553499	138.194	389.799154	308.586094	60.298	23.831750
RECTA	402.942	75.916267	0.000	517753.829	4067907.132	74.581947	141.136	389.827602	310.178763	57.752	25.424418
RECTA	420.000	75.916267	0.000	517769.681	4067913.432	74.725872	158.198	389.971528	322.926323	43.978	38.171978
CLOT.	433.246	75.916267	0.000	517781.991	4067918.325	74.817873	171.447	390.063529	339.178199	35.323	54.423854
CLOT.	440.000	75.901158	0.000	517788.267	4067920.820	74.859326	178.203	390.104982	350.453626	32.140	65.699281
CLOT.	460.000	75.679182	0.000	517806.841	4067928.237	74.955515	198.209	390.201170	391.681537	30.569	106.927193
CLOT.	480.000	75.192225	0.000	517825.373	4067935.758	75.001566	218.216	390.247222	23.383593	40.536	138.629248

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 263.263 Dis= 11.238 K : 0.999603828
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 452.453 Dis= 29.604 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	500.000	74.440285	0.000	517843.831	4067943.458	74.987857	238.224	390.233513	39.943686	56.249	155.189341
CLOT.	520.000	73.423363	0.000	517862.180	4067951.414	74.907750	258.229	390.153405	48.715457	74.171	163.961113
CIRC.	539.375	72.185513	0.000	517879.816	4067959.436	74.762366	277.602	390.008022	53.654705	92.459	168.900360
CIRC.	540.000	72.141589	0.000	517880.382	4067959.700	74.756530	278.227	390.002185	53.777273	93.058	169.022928
CIRC.	553.200	71.213530	0.000	517892.298	4067965.381	74.617062	291.417	389.862718	55.982446	105.808	171.228101

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 452.453 Dis= 29.604 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 553.200 Dis= 95.289 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	74.580335	0.000	517362.918	4067824.665	289.676544	454.038	218.095710	284.271043	643.006	12.690209
RECTA	20.000	74.580335	0.000	517381.345	4067832.441	290.365031	434.615	218.784197	284.580947	623.237	13.000114
CLOT.	26.125	74.580335	0.000	517386.988	4067834.822	290.588339	428.678	219.007506	284.679821	617.186	13.098988
CLOT.	40.000	78.410460	0.000	517399.875	4067839.958	291.076395	415.182	219.495561	284.882088	603.443	13.301254
CIRC.	46.125	82.538082	0.000	517405.709	4067841.818	291.236243	409.144	219.655410	284.928530	597.333	13.347696
CLOT.	54.626	89.302833	0.000	517413.999	4067843.682	291.348885	400.674	219.768052	284.914211	588.834	13.333378
CLOT.	60.000	93.005031	0.000	517419.322	4067844.418	291.350234	395.298	219.769401	284.855937	583.485	13.275103
RECTA	74.626	97.260580	0.000	517433.914	4067845.372	291.177779	380.707	219.596946	284.574930	569.079	12.994097
RECTA	80.000	97.260580	0.000	517439.283	4067845.604	291.090782	375.356	219.509949	284.454757	563.810	12.873924
RECTA	100.000	97.260580	0.000	517459.265	4067846.464	290.744029	355.447	219.163196	283.987123	544.220	12.406290
CLOT.	113.610	97.260580	0.000	517472.862	4067847.049	290.484988	341.906	218.904155	283.649190	530.908	12.068357
CLOT.	120.000	97.236007	0.000	517479.246	4067847.325	290.356296	335.550	218.775462	283.484693	524.662	11.903860
CLOT.	140.000	96.841508	0.000	517499.225	4067848.243	289.930979	315.660	218.350145	282.950308	505.126	11.369475
CLOT.	160.000	95.965632	0.000	517519.194	4067849.359	289.491174	295.764	217.910341	282.398481	485.584	10.817647
CLOT.	180.000	94.608381	0.000	517539.139	4067850.826	289.068474	275.847	217.487641	281.847201	466.005	10.266368
CLOT.	200.000	92.769753	0.000	517559.042	4067852.793	288.704403	255.897	217.123569	281.317696	446.361	9.736863
CIRC.	201.776	92.583194	0.000	517560.806	4067852.997	288.676645	254.124	217.095811	281.272540	444.612	9.691707

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 452.453 Dis= 29.604 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 553.200 Dis= 95.289 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	220.000	90.649586	0.000	517578.872	4067855.389	288.449556	235.915	216.868722	280.832478	426.632	9.251645
CIRC.	240.000	88.527520	0.000	517598.604	4067858.646	288.344018	215.911	216.763185	280.403220	406.824	8.822387
CIRC.	260.000	86.405454	0.000	517618.217	4067862.557	288.433634	195.906	216.852800	280.038762	386.946	8.457928
CIRC.	280.000	84.283388	0.000	517637.688	4067867.121	288.784816	175.925	217.203983	279.749867	367.012	8.169034
CIRC.	300.000	82.161322	0.000	517656.997	4067872.331	289.497289	156.005	217.916455	279.549774	347.037	7.968940
CLOT.	314.775	80.593654	0.000	517671.144	4067876.591	290.344029	141.357	218.763195	279.468481	332.263	7.887647
CLOT.	320.000	80.055684	0.000	517676.121	4067878.181	290.727085	136.197	219.146251	279.454840	327.036	7.874007
CLOT.	340.000	78.300067	0.000	517695.056	4067884.618	292.705442	116.576	221.124608	279.475502	307.029	7.894669
CLOT.	360.000	77.025827	0.000	517713.833	4067891.504	295.780974	97.241	224.200140	279.604625	287.030	8.023792
CLOT.	380.000	76.232962	0.000	517732.496	4067898.694	300.611908	78.361	229.031074	279.830458	267.047	8.249625
CLOT.	400.000	75.921474	0.000	517751.095	4067906.046	308.586094	60.298	237.005261	280.137457	247.077	8.556624
RECTA	402.942	75.916267	0.000	517753.829	4067907.132	310.178763	57.752	238.597929	280.188279	244.141	8.607446
RECTA	420.000	75.916267	0.000	517769.681	4067913.432	322.926323	43.978	251.345489	280.509031	227.117	8.928198
CLOT.	433.246	75.916267	0.000	517781.991	4067918.325	339.178199	35.323	267.597366	280.793308	213.902	9.212474
CLOT.	440.000	75.901158	0.000	517788.267	4067920.820	350.453626	32.140	278.872792	280.952379	207.166	9.371545
CLOT.	460.000	75.679182	0.000	517806.841	4067928.237	391.681537	30.569	320.100704	281.501075	187.231	9.920242
CLOT.	480.000	75.192225	0.000	517825.373	4067935.758	23.383593	40.536	351.802759	282.222639	167.323	10.641805

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 PROYECTO :
 EJE : 8 : Entrada Almerimar - Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 452.453 Dis= 29.604 K : 0.999603909
 Distancia: 194.454 Azimut: 71.580833
 BO : BR05 X: 517986.151 Y: 4067981.859 Z: 49.983 PK: 553.200 Dis= 95.289 K : 0.999603987

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	500.000	74.440285	0.000	517843.831	4067943.458	39.943686	56.249	368.362853	283.222302	147.468	11.641469
CLOT.	520.000	73.423363	0.000	517862.180	4067951.414	48.715457	74.171	377.134624	284.669391	127.705	13.088558
CIRC.	539.375	72.185513	0.000	517879.816	4067959.436	53.654705	92.459	382.073871	286.769274	108.716	15.188440
CIRC.	540.000	72.141589	0.000	517880.382	4067959.700	53.777273	93.058	382.196439	286.852976	108.108	15.272142
CIRC.	553.200	71.213530	0.000	517892.298	4067965.381	55.982446	105.808	384.401612	288.935712	95.327	17.354879

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 PROYECTO :
 EJE : 9 : Salida Málaga - Almerirmar

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 94.403 Dis= 21.747 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 264.846 Dis= 7.269 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	126.700715	0.000	516886.237	4068073.916	344.058336	95.757	213.775212	335.232198	264.720	4.949074
CIRC.	20.000	127.783862	0.000	516904.434	4068065.616	348.401904	76.621	218.118780	335.883299	244.882	5.600175
CLOT.	38.330	128.776582	0.000	516920.985	4068057.739	354.513355	59.466	224.230230	336.496884	226.686	6.213760
CLOT.	40.000	128.868141	0.000	516922.486	4068057.009	355.234174	57.934	224.951050	336.553716	225.028	6.270591
CLOT.	60.000	130.140808	0.000	516940.380	4068048.076	367.750466	40.318	237.467342	337.242418	205.156	6.959293
CIRC.	69.635	130.869865	0.000	516948.931	4068043.634	378.155517	32.719	247.872393	337.574151	195.574	7.291027
CIRC.	80.000	131.694665	0.000	516958.069	4068038.744	395.425053	25.986	265.141929	337.925732	185.258	7.642608
CLOT.	98.113	133.136037	0.000	516973.884	4068029.914	43.600393	22.061	313.317269	338.522112	167.214	8.238987
CLOT.	100.000	133.284768	0.000	516975.520	4068028.974	48.890103	22.445	318.606979	338.582693	165.333	8.299568
CLOT.	120.000	134.683266	0.000	516992.733	4068018.790	88.565174	33.348	358.282050	339.211302	145.384	8.928177
CLOT.	140.000	135.756958	0.000	517009.744	4068008.274	105.812604	50.039	375.529480	339.843278	125.421	9.560153
CLOT.	160.000	136.505845	0.000	517026.604	4067997.516	114.378275	68.435	384.095151	340.542028	105.453	10.258904
CLOT.	180.000	136.929925	0.000	517043.364	4067986.603	119.393767	87.492	389.110642	341.430201	85.489	11.147077
CLOT.	196.113	137.035334	0.000	517056.831	4067977.756	122.112521	103.092	391.829397	342.458088	69.418	12.174964
CLOT.	200.000	137.023309	0.000	517060.079	4067975.620	122.650385	106.879	392.367261	342.779669	65.544	12.496544
CLOT.	220.000	136.581267	0.000	517076.820	4067964.678	124.879535	126.468	394.596411	345.372606	45.661	15.089482
CLOT.	240.000	135.502604	0.000	517093.691	4067953.936	126.406521	146.208	396.123397	352.494021	26.028	22.210897

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 PROYECTO :
 EJE : 9 : Salida Málaga - Almerirmar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 94.403 Dis= 21.747 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 264.846 Dis= 7.269 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	260.000	133.787322	0.000	517110.792	4067943.568	127.402682	166.066	397.119557	395.918920	8.756	65.635796
CIRC.	276.113	131.942375	0.000	517124.801	4067935.607	127.888535	182.130	397.605411	96.339840	13.475	166.056716
CIRC.	280.000	131.447445	0.000	517128.216	4067933.751	127.968063	186.012	397.684938	104.080444	16.904	173.797319
CIRC.	300.000	128.900966	0.000	517146.010	4067924.623	128.182271	206.008	397.899147	118.239435	36.144	187.956310
CLOT.	309.134	127.737978	0.000	517154.255	4067920.692	128.188098	215.145	397.904974	120.269487	45.190	189.986362
CLOT.	320.000	126.448442	0.000	517164.152	4067916.209	128.134690	226.014	397.851565	121.588324	56.010	191.305200
CLOT.	340.000	124.566146	0.000	517182.574	4067908.424	127.916757	246.005	397.633633	122.605587	75.990	192.322463
CLOT.	360.000	123.320469	0.000	517201.182	4067901.093	127.614070	265.975	397.330946	122.873326	95.995	192.590202
CLOT.	380.000	122.711412	0.000	517219.895	4067894.035	127.288897	285.934	397.005773	122.888774	116.002	192.605650
RECTA	389.134	122.645019	0.000	517228.456	4067890.851	127.145886	295.048	396.862762	122.872591	125.140	192.589467
RECTA	400.000	122.645019	0.000	517238.642	4067887.067	126.986076	305.892	396.702952	122.854403	136.010	192.571279
RECTA	420.000	122.645019	0.000	517257.390	4067880.102	126.719736	325.856	396.436612	122.827551	156.018	192.544427
CLOT.	439.320	122.645019	0.000	517275.501	4067873.374	126.491714	345.147	396.208590	122.807432	175.346	192.524307
CLOT.	440.000	122.652288	0.000	517276.138	4067873.137	126.484156	345.826	396.201032	122.806813	176.026	192.523689
CLOT.	460.000	129.367448	0.000	517294.611	4067865.498	126.400939	365.818	396.117814	123.026626	196.014	192.743502
CIRC.	464.632	132.716543	0.000	517298.705	4067863.331	126.458240	370.440	396.175116	123.209990	200.612	192.926866
CIRC.	480.000	144.945612	0.000	517311.282	4067854.542	126.947799	385.513	396.664675	124.311420	215.535	194.028295

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 PROYECTO :
 EJE : 9 : Salida Málaga - Almerirmar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 94.403 Dis= 21.747 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 264.846 Dis= 7.269 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	480.067	144.998815	0.000	517311.333	4067854.499	126.950884	385.577	396.667760	124.317717	215.598	194.034593
CLOT.	500.000	154.615470	0.000	517325.225	4067840.231	128.101370	404.177	397.818246	126.512467	233.953	196.229342
RECTA	505.379	155.070339	0.000	517328.724	4067836.145	128.443803	409.094	398.160679	127.131544	238.819	196.848419
RECTA	520.000	155.070339	0.000	517338.207	4067825.017	129.338967	422.502	399.055842	128.700907	252.136	198.417782
RECTA	526.704	155.070339	0.000	517342.556	4067819.914	129.730681	428.676	399.447557	129.366231	258.290	199.083107

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 EJE : 9 : Salida Málaga - Almerirmar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 264.846 Dis= 7.269 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 401.892 Dis= 26.330 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	126.700715	0.000	516886.237	4068073.916	335.232198	264.720	200.372718	335.102980	405.198	0.243500
CIRC.	20.000	127.783862	0.000	516904.434	4068065.616	335.883299	244.882	201.023819	335.510079	385.351	0.650599
CLOT.	38.330	128.776582	0.000	516920.985	4068057.739	336.496884	226.686	201.637404	335.870414	367.137	1.010934
CLOT.	40.000	128.868141	0.000	516922.486	4068057.009	336.553716	225.028	201.694236	335.902561	365.477	1.043081
CLOT.	60.000	130.140808	0.000	516940.380	4068048.076	337.242418	205.156	202.382938	336.273924	345.577	1.414444
CIRC.	69.635	130.869865	0.000	516948.931	4068043.634	337.574151	195.574	202.714671	336.439374	335.979	1.579894
CIRC.	80.000	131.694665	0.000	516958.069	4068038.744	337.925732	185.258	203.066252	336.603401	325.645	1.743921
CLOT.	98.113	133.136037	0.000	516973.884	4068029.914	338.522112	167.214	203.662632	336.849953	307.567	1.990473
CLOT.	100.000	133.284768	0.000	516975.520	4068028.974	338.582693	165.333	203.723213	336.872417	305.683	2.012937
CLOT.	120.000	134.683266	0.000	516992.733	4068018.790	339.211302	145.384	204.351822	337.072731	285.697	2.213251
CLOT.	140.000	135.756958	0.000	517009.744	4068008.274	339.843278	125.421	204.983798	337.210181	265.698	2.350701
CLOT.	160.000	136.505845	0.000	517026.604	4067997.516	340.542028	105.453	205.682548	337.295822	245.693	2.436342
CLOT.	180.000	136.929925	0.000	517043.364	4067986.603	341.430201	85.489	206.570721	337.344658	225.686	2.485179
CLOT.	196.113	137.035334	0.000	517056.831	4067977.756	342.458088	69.418	207.598608	337.371153	209.567	2.511673
CLOT.	200.000	137.023309	0.000	517060.079	4067975.620	342.779669	65.544	207.920189	337.377578	205.678	2.518098
CLOT.	220.000	136.581267	0.000	517076.820	4067964.678	345.372606	45.661	210.513126	337.433854	185.671	2.574374
CLOT.	240.000	135.502604	0.000	517093.691	4067953.936	352.494021	26.028	217.634541	337.595536	165.668	2.736056

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 EJE : 9 : Salida Málaga - Almerirmar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 264.846 Dis= 7.269 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 401.892 Dis= 26.330 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	260.000	133.787322	0.000	517110.792	4067943.568	395.918920	8.756	261.059440	337.993327	145.685	3.133847
CIRC.	276.113	131.942375	0.000	517124.801	4067935.607	96.339840	13.475	361.480360	338.626103	129.624	3.766623
CIRC.	280.000	131.447445	0.000	517128.216	4067933.751	104.080444	16.904	369.220964	338.840006	125.759	3.980526
CIRC.	300.000	128.900966	0.000	517146.010	4067924.623	118.239435	36.144	383.379955	340.471162	105.972	5.611682
CLOT.	309.134	127.737978	0.000	517154.255	4067920.692	120.269487	45.190	385.410007	341.608807	97.016	6.749327
CLOT.	320.000	126.448442	0.000	517164.152	4067916.209	121.588324	56.010	386.728844	343.420084	86.463	8.560604
CLOT.	340.000	124.566146	0.000	517182.574	4067908.424	122.605587	75.990	387.746107	348.682547	67.478	13.823067
CLOT.	360.000	123.320469	0.000	517201.182	4067901.093	122.873326	95.995	388.013846	358.480091	49.554	23.620611
CLOT.	380.000	122.711412	0.000	517219.895	4067894.035	122.888774	116.002	388.029294	378.491602	34.258	43.632122
RECTA	389.134	122.645019	0.000	517228.456	4067890.851	122.872591	125.140	388.013111	393.920797	29.270	59.061317
RECTA	400.000	122.645019	0.000	517238.642	4067887.067	122.854403	136.010	387.994923	18.078330	26.409	83.218850
RECTA	420.000	122.645019	0.000	517257.390	4067880.102	122.827551	156.018	387.968072	60.997598	31.969	126.138118
CLOT.	439.320	122.645019	0.000	517275.501	4067873.374	122.807432	175.346	387.947952	83.616102	45.780	148.756622
CLOT.	440.000	122.652288	0.000	517276.138	4067873.137	122.806813	176.026	387.947333	84.153884	46.338	149.294404
CLOT.	460.000	129.367448	0.000	517294.611	4067865.498	123.026626	196.014	388.167146	96.214889	63.502	161.355409
CIRC.	464.632	132.716543	0.000	517298.705	4067863.331	123.209990	200.612	388.350511	98.485263	67.505	163.625783
CIRC.	480.000	144.945612	0.000	517311.282	4067854.542	124.311420	215.535	389.451940	105.699055	80.390	170.839575

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 EJE : 9 : Salida Málaga - Almerirmar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 264.846 Dis= 7.269 K : 0.999603608
 Distancia: 140.480 Azimut: 134.859480
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 401.892 Dis= 26.330 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	480.067	144.998815	0.000	517311.333	4067854.499	124.317717	215.598	389.458237	105.729676	80.444	170.870196
CLOT.	500.000	154.615470	0.000	517325.225	4067840.231	126.512467	233.953	391.652987	114.314585	96.444	179.455105
RECTA	505.379	155.070339	0.000	517328.724	4067836.145	127.131544	238.819	392.272064	116.338297	100.819	181.478817
RECTA	520.000	155.070339	0.000	517338.207	4067825.017	128.700907	252.136	393.841427	121.046949	113.130	186.187469
RECTA	526.704	155.070339	0.000	517342.556	4067819.914	129.366231	258.290	394.506751	122.875551	118.951	188.016071

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 401.892 Dis= 26.330 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 493.939 Dis= -39.424 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	126.700715	0.000	516886.237	4068073.916	335.102980	405.198	240.207777	326.203819	506.637	31.308616
CIRC.	20.000	127.783862	0.000	516904.434	4068065.616	335.510079	385.351	240.614876	326.161124	486.632	31.265921
CLOT.	38.330	128.776582	0.000	516920.985	4068057.739	335.870414	367.137	240.975211	326.078162	468.305	31.182959
CLOT.	40.000	128.868141	0.000	516922.486	4068057.009	335.902561	365.477	241.007358	326.068343	466.636	31.173140
CLOT.	60.000	130.140808	0.000	516940.380	4068048.076	336.273924	345.577	241.378721	325.915710	446.659	31.020507
CIRC.	69.635	130.869865	0.000	516948.931	4068043.634	336.439374	335.979	241.544171	325.814712	437.045	30.919509
CIRC.	80.000	131.694665	0.000	516958.069	4068038.744	336.603401	325.645	241.708198	325.682019	426.715	30.786816
CLOT.	98.113	133.136037	0.000	516973.884	4068029.914	336.849953	307.567	241.954750	325.384054	408.702	30.488851
CLOT.	100.000	133.284768	0.000	516975.520	4068028.974	336.872417	305.683	241.977214	325.347826	406.828	30.452623
CLOT.	120.000	134.683266	0.000	516992.733	4068018.790	337.072731	285.697	242.177528	324.901338	387.015	30.006135
CLOT.	140.000	135.756958	0.000	517009.744	4068008.274	337.210181	265.698	242.314978	324.340223	367.285	29.445020
CLOT.	160.000	136.505845	0.000	517026.604	4067997.516	337.295822	245.693	242.400619	323.663933	347.641	28.768730
CLOT.	180.000	136.929925	0.000	517043.364	4067986.603	337.344658	225.686	242.449455	322.871769	328.079	27.976566
CLOT.	196.113	137.035334	0.000	517056.831	4067977.756	337.371153	209.567	242.475950	322.148667	312.375	27.253464
CLOT.	200.000	137.023309	0.000	517060.079	4067975.620	337.377578	205.678	242.482375	321.962828	308.594	27.067625
CLOT.	220.000	136.581267	0.000	517076.820	4067964.678	337.433854	185.671	242.538651	320.941725	289.168	26.046522
CLOT.	240.000	135.502604	0.000	517093.691	4067953.936	337.595536	165.668	242.700333	319.828380	269.766	24.933177

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 401.892 Dis= 26.330 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 493.939 Dis= -39.424 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	260.000	133.787322	0.000	517110.792	4067943.568	337.993327	145.685	243.098124	318.650720	250.344	23.755517
CIRC.	276.113	131.942375	0.000	517124.801	4067935.607	338.626103	129.624	243.730900	317.680088	234.655	22.784885
CIRC.	280.000	131.447445	0.000	517128.216	4067933.751	338.840006	125.759	243.944803	317.445919	230.862	22.550716
CIRC.	300.000	128.900966	0.000	517146.010	4067924.623	340.471162	105.972	245.575959	316.248654	211.291	21.353451
CLOT.	309.134	127.737978	0.000	517154.255	4067920.692	341.608807	97.016	246.713604	315.706754	202.325	20.811551
CLOT.	320.000	126.448442	0.000	517164.152	4067916.209	343.420084	86.463	248.524881	315.065194	191.637	20.169991
CLOT.	340.000	124.566146	0.000	517182.574	4067908.424	348.682547	67.478	253.787344	313.861501	171.927	18.966298
CLOT.	360.000	123.320469	0.000	517201.182	4067901.093	358.480091	49.554	263.584888	312.548506	152.199	17.653303
CLOT.	380.000	122.711412	0.000	517219.895	4067894.035	378.491602	34.258	283.596399	310.982735	132.498	16.087532
RECTA	389.134	122.645019	0.000	517228.456	4067890.851	393.920797	29.270	299.025594	310.123207	123.525	15.228004
RECTA	400.000	122.645019	0.000	517238.642	4067887.067	18.078330	26.409	323.183127	308.925110	112.885	14.029907
RECTA	420.000	122.645019	0.000	517257.390	4067880.102	60.997598	31.969	366.102395	306.008920	93.438	11.113717
CLOT.	439.320	122.645019	0.000	517275.501	4067873.374	83.616102	45.780	388.720899	301.763443	74.933	6.868240
CLOT.	440.000	122.652288	0.000	517276.138	4067873.137	84.153884	46.338	389.258681	301.575618	74.289	6.680415
CLOT.	460.000	129.367448	0.000	517294.611	4067865.498	96.214889	63.502	1.319686	293.401006	56.087	398.505803
CIRC.	464.632	132.716543	0.000	517298.705	4067863.331	98.485263	67.505	3.590060	290.259882	52.301	395.364679
CIRC.	480.000	144.945612	0.000	517311.282	4067854.542	105.699055	80.390	10.803852	274.219640	42.550	379.324437

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 EJE : 9 : Salida Málaga - Almerirmar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 401.892 Dis= 26.330 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 493.939 Dis= -39.424 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	480.067	144.998815	0.000	517311.333	4067854.499	105.729676	80.444	10.834473	274.129884	42.520	379.234681
CLOT.	500.000	154.615470	0.000	517325.225	4067840.231	114.314585	96.444	19.419382	243.322738	39.987	348.427535
RECTA	505.379	155.070339	0.000	517328.724	4067836.145	116.338297	100.819	21.443094	235.142741	41.303	340.247538
RECTA	520.000	155.070339	0.000	517338.207	4067825.017	121.046949	113.130	26.151746	216.366826	47.874	321.471623
RECTA	526.704	155.070339	0.000	517342.556	4067819.914	122.875551	118.951	27.980348	209.613981	51.997	314.718778

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 EJE : 9 : Salida Málaga - Almerirmar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 493.939 Dis= -39.424 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 526.704 Dis=-148.717 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	126.700715	0.000	516886.237	4068073.916	326.203819	506.637	203.098257	325.493421	657.258	2.387859
CIRC.	20.000	127.783862	0.000	516904.434	4068065.616	326.161124	486.632	203.055562	325.438519	637.258	2.332957
CLOT.	38.330	128.776582	0.000	516920.985	4068057.739	326.078162	468.305	202.972600	325.354356	618.939	2.248794
CLOT.	40.000	128.868141	0.000	516922.486	4068057.009	326.068343	466.636	202.962781	325.344976	617.272	2.239414
CLOT.	60.000	130.140808	0.000	516940.380	4068048.076	325.915710	446.659	202.810148	325.206652	597.307	2.101090
CIRC.	69.635	130.869865	0.000	516948.931	4068043.634	325.814712	437.045	202.709150	325.119950	587.702	2.014388
CIRC.	80.000	131.694665	0.000	516958.069	4068038.744	325.682019	426.715	202.576457	325.009459	577.383	1.903897
CLOT.	98.113	133.136037	0.000	516973.884	4068029.914	325.384054	408.702	202.278492	324.770109	559.390	1.664547
CLOT.	100.000	133.284768	0.000	516975.520	4068028.974	325.347826	406.828	202.242264	324.741610	557.518	1.636048
CLOT.	120.000	134.683266	0.000	516992.733	4068018.790	324.901338	387.015	201.795776	324.397934	537.730	1.292372
CLOT.	140.000	135.756958	0.000	517009.744	4068008.274	324.340223	367.285	201.234661	323.980924	518.024	0.875362
CLOT.	160.000	136.505845	0.000	517026.604	4067997.516	323.663933	347.641	200.558371	323.495034	498.395	0.389472
CLOT.	180.000	136.929925	0.000	517043.364	4067986.603	322.871769	328.079	199.766207	322.945377	478.837	399.839815
CLOT.	196.113	137.035334	0.000	517056.831	4067977.756	322.148667	312.375	199.043105	322.460151	463.123	399.354590
CLOT.	200.000	137.023309	0.000	517060.079	4067975.620	321.962828	308.594	198.857266	322.337867	459.336	399.232305
CLOT.	220.000	136.581267	0.000	517076.820	4067964.678	320.941725	289.168	197.836163	321.683222	439.869	398.577660
CLOT.	240.000	135.502604	0.000	517093.691	4067953.936	319.828380	269.766	196.722818	321.003162	420.396	397.897600

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 PROYECTO :
 EJE : 9 : Salida Málaga - Almerirmar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 493.939 Dis= -39.424 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 526.704 Dis=-148.717 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	260.000	133.787322	0.000	517110.792	4067943.568	318.650720	250.344	195.545158	320.324906	400.873	397.219344
CIRC.	276.113	131.942375	0.000	517124.801	4067935.607	317.680088	234.655	194.574526	319.801980	385.081	396.696418
CIRC.	280.000	131.447445	0.000	517128.216	4067933.751	317.445919	230.862	194.340357	319.681381	381.260	396.575819
CIRC.	300.000	128.900966	0.000	517146.010	4067924.623	316.248654	211.291	193.143092	319.103355	361.540	395.997793
CLOT.	309.134	127.737978	0.000	517154.255	4067920.692	315.706754	202.325	192.601192	318.865285	352.500	395.759723
CLOT.	320.000	126.448442	0.000	517164.152	4067916.209	315.065194	191.637	191.959632	318.604781	341.723	395.499219
CLOT.	340.000	124.566146	0.000	517182.574	4067908.424	313.861501	171.927	190.755939	318.179800	321.839	395.074238
CLOT.	360.000	123.320469	0.000	517201.182	4067901.093	312.548506	152.199	189.442944	317.801882	301.917	394.696320
CLOT.	380.000	122.711412	0.000	517219.895	4067894.035	310.982735	132.498	187.877173	317.436082	281.980	394.330520
RECTA	389.134	122.645019	0.000	517228.456	4067890.851	310.123207	123.525	187.017645	317.261106	272.874	394.155544
RECTA	400.000	122.645019	0.000	517238.642	4067887.067	308.925110	112.885	185.819548	317.038034	262.044	393.932472
RECTA	420.000	122.645019	0.000	517257.390	4067880.102	306.008920	93.438	182.903358	316.575287	242.120	393.469725
CLOT.	439.320	122.645019	0.000	517275.501	4067873.374	301.763443	74.933	178.657881	316.049743	222.888	392.944181
CLOT.	440.000	122.652288	0.000	517276.138	4067873.137	301.575618	74.289	178.470056	316.029581	222.211	392.924019
CLOT.	460.000	129.367448	0.000	517294.611	4067865.498	293.401006	56.087	170.295444	315.150030	202.429	392.044468
CIRC.	464.632	132.716543	0.000	517298.705	4067863.331	290.259882	52.301	167.154320	314.783125	197.941	391.677563
CIRC.	480.000	144.945612	0.000	517311.282	4067854.542	274.219640	42.550	151.114078	312.821461	183.760	389.715899

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 PROYECTO :
 EJE : 9 : Salida Málaga - Almerirmar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 493.939 Dis= -39.424 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 526.704 Dis=-148.717 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	480.067	144.998815	0.000	517311.333	4067854.499	274.129884	42.520	151.024322	312.810247	183.702	389.704685
CLOT.	500.000	154.615470	0.000	517325.225	4067840.231	243.322738	39.987	120.217176	308.550147	167.607	385.444585
RECTA	505.379	155.070339	0.000	517328.724	4067836.145	235.142741	41.303	112.037179	307.156366	163.630	384.050804
RECTA	520.000	155.070339	0.000	517338.207	4067825.017	216.366826	47.874	93.261264	303.000928	153.281	379.895366
RECTA	526.704	155.070339	0.000	517342.556	4067819.914	209.613981	51.997	86.508419	300.906317	148.775	377.800755

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 GRUPO 3
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 PROYECTO :
 EJE : 14 : Segregado El Ejido

pagina 1

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 0.000 Dis=-113.523 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 83.392 Dis=-105.496 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	307.371504	0.000	517498.746	4067931.072	4.202669	113.568	81.097107	75.619168	160.022	352.513606
RECTA	20.000	307.371504	0.000	517478.880	4067933.383	393.208769	116.293	70.103207	71.348454	142.773	348.242892
CLOT.	34.328	307.371504	0.000	517464.648	4067935.038	385.792041	120.271	62.686479	67.608979	130.899	344.503417
CLOT.	40.000	308.011628	0.000	517459.016	4067935.712	383.008503	122.292	59.902941	65.929089	126.351	342.823527
CLOT.	60.000	320.483326	0.000	517439.459	4067939.737	374.427657	132.538	51.322095	58.296510	112.382	335.190948
CIRC.	60.994	321.518611	0.000	517438.518	4067940.059	374.073904	133.205	50.968342	57.824732	111.835	334.719170
CIRC.	80.000	341.684318	0.000	517421.876	4067949.073	369.047693	148.542	45.942131	47.326227	105.688	324.220665
CLOT.	97.975	360.755882	0.000	517409.458	4067961.976	367.146608	165.832	44.041046	36.763952	108.270	313.658390
CLOT.	100.000	362.823360	0.000	517408.315	4067963.647	367.082182	167.851	43.976620	35.671482	109.063	312.565920
CLOT.	120.000	374.474450	0.000	517399.241	4067981.438	367.389911	187.812	44.284349	26.584153	120.541	303.478591
RECTA	124.641	374.902988	0.000	517397.449	4067985.720	367.567350	192.425	44.461788	24.847628	123.775	301.742066
CLOT.	134.066	374.902988	0.000	517393.829	4067994.422	367.909344	201.794	44.803782	21.599592	130.618	298.494030
CLOT.	140.000	376.148352	0.000	517391.586	4067999.915	368.120623	207.691	45.015061	19.740348	135.111	296.634786
CIRC.	149.066	382.860735	0.000	517388.653	4068008.489	368.574512	216.629	45.468950	17.322105	142.487	294.216543
CIRC.	160.000	394.462022	0.000	517386.719	4068019.235	369.525000	227.038	46.419438	15.336180	152.396	292.230618
CLOT.	171.067	6.204302	0.000	517386.776	4068030.286	370.907500	236.880	47.801938	14.328971	163.166	291.223409
CLOT.	180.000	12.860285	0.000	517388.174	4068039.105	372.249265	244.235	49.143703	14.104571	172.079	290.999009

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 0.000 Dis=-113.523 K : 0.999603770
 Distancia: 150.759 Azimut: 323.105562
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 83.392 Dis=-105.496 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	186.067	14.162049	0.000	517389.472	4068045.032	373.189944	249.088	50.084382	14.091747	178.148	290.986185
RECTA	200.000	14.162049	0.000	517392.546	4068058.621	375.235366	260.373	52.129804	14.096848	192.087	290.991286
RECTA	214.518	14.162049	0.000	517395.749	4068072.782	377.184310	272.393	54.078748	14.101432	206.611	290.995870

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 83.392 Dis=-105.496 K : 0.999603710
 Distancia: 119.560 Azimut: 294.895203
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 103.197 Dis=-204.210 K : 0.999603659

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	307.371504	0.000	517498.746	4067931.072	75.619168	160.022	180.723965	83.851831	276.452	388.956628
RECTA	20.000	307.371504	0.000	517478.880	4067933.383	71.348454	142.773	176.453251	82.068129	257.895	387.172926
CLOT.	34.328	307.371504	0.000	517464.648	4067935.038	67.608979	130.899	172.713776	80.624827	244.742	385.729624
CLOT.	40.000	308.011628	0.000	517459.016	4067935.712	65.929089	126.351	171.033886	80.005166	239.580	385.109963
CLOT.	60.000	320.483326	0.000	517439.459	4067939.737	58.296510	112.382	163.401307	77.178339	222.435	382.283136
CIRC.	60.994	321.518611	0.000	517438.518	4067940.059	57.824732	111.835	162.929529	76.996878	221.668	382.101675
CIRC.	80.000	341.684318	0.000	517421.876	4067949.073	47.326227	105.688	152.431024	72.647390	209.772	377.752187
CLOT.	97.975	360.755882	0.000	517409.458	4067961.976	36.763952	108.270	141.868749	67.378838	204.555	372.483635
CLOT.	100.000	362.823360	0.000	517408.315	4067963.647	35.671482	109.063	140.776279	66.750137	204.388	371.854934
CLOT.	120.000	374.474450	0.000	517399.241	4067981.438	26.584153	120.541	131.688950	60.585058	206.367	365.689855
RECTA	124.641	374.902988	0.000	517397.449	4067985.720	24.847628	123.775	129.952425	59.195221	207.441	364.300018
CLOT.	134.066	374.902988	0.000	517393.829	4067994.422	21.599592	130.618	126.704389	56.421865	209.944	361.526662
CLOT.	140.000	376.148352	0.000	517391.586	4067999.915	19.740348	135.111	124.845145	54.715049	211.756	359.819846
CIRC.	149.066	382.860735	0.000	517388.653	4068008.489	17.322105	142.487	122.426902	52.226841	215.298	357.331638
CIRC.	160.000	394.462022	0.000	517386.719	4068019.235	15.336180	152.396	120.440977	49.585751	221.404	354.690548
CLOT.	171.067	6.204302	0.000	517386.776	4068030.286	14.328971	163.166	119.433768	47.441905	229.443	352.546702
CLOT.	180.000	12.860285	0.000	517388.174	4068039.105	14.104571	172.079	119.209368	46.110249	236.927	351.215046

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 83.392 Dis=-105.496 K : 0.999603710
 BO : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 103.197 Dis=-204.210 K : 0.999603659

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	186.067	14.162049	0.000	517389.472	4068045.032	14.091747	178.148	119.196544	45.333474	242.245	350.438271
RECTA	200.000	14.162049	0.000	517392.546	4068058.621	14.096848	192.087	119.201645	43.694314	254.631	348.799111
RECTA	214.518	14.162049	0.000	517395.749	4068072.782	14.101432	206.611	119.206229	42.148735	267.699	347.253532

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 103.197 Dis=-204.210 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 149.542 Dis=-286.913 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	307.371504	0.000	517498.746	4067931.072	83.851831	276.452	148.992351	100.617992	387.565	365.758512
RECTA	20.000	307.371504	0.000	517478.880	4067933.383	82.068129	257.895	147.208649	100.251171	367.675	365.391691
CLOT.	34.328	307.371504	0.000	517464.648	4067935.038	80.624827	244.742	145.765347	99.963012	353.435	365.103532
CLOT.	40.000	308.011628	0.000	517459.016	4067935.712	80.005166	239.580	145.145686	99.838953	347.802	364.979473
CLOT.	60.000	320.483326	0.000	517439.459	4067939.737	77.178339	222.435	142.318859	99.048532	328.272	364.189052
CIRC.	60.994	321.518611	0.000	517438.518	4067940.059	76.996878	221.668	142.137398	98.983150	327.336	364.123670
CIRC.	80.000	341.684318	0.000	517421.876	4067949.073	72.647390	209.772	137.787910	97.082629	310.972	362.223149
CLOT.	97.975	360.755882	0.000	517409.458	4067961.976	67.378838	204.555	132.519358	94.219461	299.457	359.359981
CLOT.	100.000	362.823360	0.000	517408.315	4067963.647	66.750137	204.388	131.890657	93.842117	298.475	358.982637
CLOT.	120.000	374.474450	0.000	517399.241	4067981.438	60.585058	206.367	125.725578	89.782578	291.752	354.923098
RECTA	124.641	374.902988	0.000	517397.449	4067985.720	59.195221	207.441	124.335741	88.793921	290.702	353.934441
CLOT.	134.066	374.902988	0.000	517393.829	4067994.422	56.421865	209.944	121.562385	86.764506	288.807	351.905026
CLOT.	140.000	376.148352	0.000	517391.586	4067999.915	54.715049	211.756	119.855569	85.472505	287.805	350.613025
CIRC.	149.066	382.860735	0.000	517388.653	4068008.489	52.226841	215.298	117.367361	83.471828	287.029	348.612349
CIRC.	160.000	394.462022	0.000	517386.719	4068019.235	49.585751	221.404	114.726271	81.065765	288.125	346.206285
CLOT.	171.067	6.204302	0.000	517386.776	4068030.286	47.441905	229.443	112.582425	78.761408	291.611	343.901928
CLOT.	180.000	12.860285	0.000	517388.174	4068039.105	46.110249	236.927	111.250769	77.066337	295.925	342.206857

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 103.197 Dis=-204.210 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 149.542 Dis=-286.913 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	186.067	14.162049	0.000	517389.472	4068045.032	45.333474	242.245	110.473994	75.983478	299.274	341.123998
RECTA	200.000	14.162049	0.000	517392.546	4068058.621	43.694314	254.631	108.834834	73.599628	307.356	338.740148
RECTA	214.518	14.162049	0.000	517395.749	4068072.782	42.148735	267.699	107.289255	71.248740	316.212	336.389260

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 149.542 Dis=-286.913 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 163.788 Dis=-426.696 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	307.371504	0.000	517498.746	4067931.072	100.617992	387.565	170.334868	109.587327	545.196	379.304203
RECTA	20.000	307.371504	0.000	517478.880	4067933.383	100.251171	367.675	169.968047	109.671724	525.201	379.388599
CLOT.	34.328	307.371504	0.000	517464.648	4067935.038	99.963012	353.435	169.679888	109.736245	510.877	379.453121
CLOT.	40.000	308.011628	0.000	517459.016	4067935.712	99.838953	347.802	169.555829	109.760405	505.206	379.477281
CLOT.	60.000	320.483326	0.000	517439.459	4067939.737	99.048532	328.272	168.765408	109.630383	485.256	379.347259
CIRC.	60.994	321.518611	0.000	517438.518	4067940.059	98.983150	327.336	168.700026	109.607160	484.278	379.324036
CIRC.	80.000	341.684318	0.000	517421.876	4067949.073	97.082629	310.972	166.799504	108.732113	466.507	378.448988
CLOT.	97.975	360.755882	0.000	517409.458	4067961.976	94.219461	299.457	163.936337	107.172226	452.572	376.889101
CLOT.	100.000	362.823360	0.000	517408.315	4067963.647	93.842117	298.475	163.558993	106.955940	451.250	376.672816
CLOT.	120.000	374.474450	0.000	517399.241	4067981.438	89.782578	291.752	159.499454	104.542091	440.602	374.258967
RECTA	124.641	374.902988	0.000	517397.449	4067985.720	88.793921	290.702	158.510796	103.940467	438.528	373.657342
CLOT.	134.066	374.902988	0.000	517393.829	4067994.422	86.764506	288.807	156.481382	102.700040	434.458	372.416916
CLOT.	140.000	376.148352	0.000	517391.586	4067999.915	85.472505	287.805	155.189381	101.904934	432.016	371.621810
CIRC.	149.066	382.860735	0.000	517388.653	4068008.489	83.471828	287.029	153.188704	100.645310	428.911	370.362185
CIRC.	160.000	394.462022	0.000	517386.719	4068019.235	81.065765	288.125	150.782641	99.045369	427.002	368.762245
CLOT.	171.067	6.204302	0.000	517386.776	4068030.286	78.761408	291.611	148.478283	97.398659	427.369	367.115535
CLOT.	180.000	12.860285	0.000	517388.174	4068039.105	77.066337	295.925	146.783213	96.099552	429.215	365.816428

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 PROYECTO :
 EJE : 14 : Segregado El Ejido

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 149.542 Dis=-286.913 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 163.788 Dis=-426.696 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	186.067	14.162049	0.000	517389.472	4068045.032	75.983478	299.274	145.700354	95.237047	430.914	364.953923
RECTA	200.000	14.162049	0.000	517392.546	4068058.621	73.599628	307.356	143.316504	93.287196	435.201	363.004072
RECTA	214.518	14.162049	0.000	517395.749	4068072.782	71.248740	316.212	140.965615	91.297824	440.093	361.014700

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

pagina 1

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 0.000 Dis= 22.760 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 63.675 Dis= -56.741 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	122.645048	0.000	517248.623	4067876.425	55.304337	22.769	360.409134	303.204197	101.921	8.308994
CLOT.	8.679	122.645048	0.000	517256.759	4067873.402	72.676740	28.069	377.781537	301.429905	93.676	6.534702
CLOT.	20.000	124.659583	0.000	517267.329	4067869.348	86.747059	36.894	391.851856	298.504683	83.102	3.609480
CLOT.	40.000	138.065218	0.000	517285.071	4067860.198	101.807148	53.868	6.911945	289.280356	66.267	394.385153
CIRC.	49.179	148.428149	0.000	517292.224	4067854.462	107.548278	61.434	12.653075	282.057799	60.563	387.162596
CIRC.	60.000	162.205544	0.000	517299.197	4067846.215	114.287205	69.727	19.392002	270.987742	57.017	376.092539
CLOT.	73.236	179.057960	0.000	517305.071	4067834.397	122.570642	78.753	27.675439	256.484045	58.454	361.588842
CLOT.	80.000	184.029377	0.000	517306.943	4067827.899	126.754135	82.944	31.858932	250.023608	61.424	355.128405
RECTA	81.236	184.150919	0.000	517307.248	4067826.701	127.491165	83.717	32.595962	248.932860	62.064	354.037657
CLOT.	94.976	184.150919	0.000	517310.633	4067813.385	134.820245	92.984	39.925042	238.287386	70.266	343.392183
CLOT.	100.000	180.579689	0.000	517311.962	4067808.540	137.090870	96.702	42.195667	234.966420	73.610	340.071217
CIRC.	100.601	179.674686	0.000	517312.146	4067807.969	137.337250	97.171	42.442047	234.574210	74.003	339.679007
CIRC.	120.000	148.799750	0.000	517322.379	4067791.711	141.704475	114.969	46.809272	221.533278	84.402	326.638075
CLOT.	122.214	145.275474	0.000	517324.016	4067790.220	141.805169	117.176	46.909966	220.010753	85.290	325.115550
RECTA	127.839	140.799242	0.000	517328.444	4067786.753	141.827438	122.802	46.932235	216.157932	87.379	321.262729
CLOT.	133.738	140.799242	0.000	517333.172	4067783.226	141.780297	128.702	46.885094	212.280451	89.773	317.385248
CLOT.	140.000	143.919662	0.000	517338.129	4067779.401	141.783038	134.966	46.887835	208.433802	92.747	313.538599

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 0.000 Dis= 22.760 K : 0.999603659
 Distancia: 119.560 Azimut: 94.895203
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 63.675 Dis= -56.741 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	143.738	148.756989	0.000	517340.926	4067776.923	141.900739	138.696	47.005537	206.352618	94.885	311.457415
CIRC.	160.000	174.638730	0.000	517350.067	4067763.609	143.942674	154.157	49.047471	200.181956	107.733	305.286753
CLOT.	167.552	186.657601	0.000	517352.324	4067756.414	145.573655	160.533	50.678452	198.919981	114.947	304.024778
RECTA	177.552	194.615349	0.000	517353.582	4067746.500	148.095027	168.124	53.199824	198.364205	124.889	303.469002
RECTA	180.000	194.615349	0.000	517353.789	4067744.061	148.707366	169.955	53.812163	198.292137	127.334	303.396934
RECTA	200.000	194.615349	0.000	517355.479	4067724.132	153.245819	185.454	58.350616	197.793033	147.314	302.897830
RECTA	201.880	194.615349	0.000	517355.638	4067722.259	153.633271	186.954	58.738068	197.752996	149.192	302.857793

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 63.675 Dis= -56.741 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 161.010 Dis=-151.215 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	122.645048	0.000	517248.623	4067876.425	303.204197	101.921	180.098635	315.093359	249.715	391.987797
CLOT.	8.679	122.645048	0.000	517256.759	4067873.402	301.429905	93.676	178.324343	314.822033	241.096	391.716471
CLOT.	20.000	124.659583	0.000	517267.329	4067869.348	298.504683	83.102	175.399121	314.404793	229.877	391.299231
CLOT.	40.000	138.065218	0.000	517285.071	4067860.198	289.280356	66.267	166.174794	312.911615	210.584	389.806053
CIRC.	49.179	148.428149	0.000	517292.224	4067854.462	282.057799	60.563	158.952237	311.597480	202.462	388.491918
CIRC.	60.000	162.205544	0.000	517299.197	4067846.215	270.987742	57.017	147.882180	309.351823	194.228	386.246261
CLOT.	73.236	179.057960	0.000	517305.071	4067834.397	256.484045	58.454	133.378483	305.661112	186.998	382.555550
CLOT.	80.000	184.029377	0.000	517306.943	4067827.899	250.023608	61.424	126.918046	303.485714	184.664	380.380152
RECTA	81.236	184.150919	0.000	517307.248	4067826.701	248.932860	62.064	125.827298	303.078266	184.297	379.972704
CLOT.	94.976	184.150919	0.000	517310.633	4067813.385	238.287386	70.266	115.181824	298.445317	180.749	375.339755
CLOT.	100.000	180.579689	0.000	517311.962	4067808.540	234.966420	73.610	111.860858	296.716194	179.605	373.610632
CIRC.	100.601	179.674686	0.000	517312.146	4067807.969	234.574210	74.003	111.468648	296.510195	179.451	373.404633
CIRC.	120.000	148.799750	0.000	517322.379	4067791.711	221.533278	84.402	98.427716	290.243524	170.949	367.137962
CLOT.	122.214	145.275474	0.000	517324.016	4067790.220	220.010753	85.290	96.905191	289.596205	169.567	366.490643
RECTA	127.839	140.799242	0.000	517328.444	4067786.753	216.157932	87.379	93.052370	288.005386	165.812	364.899824
CLOT.	133.738	140.799242	0.000	517333.172	4067783.226	212.280451	89.773	89.174889	286.293868	161.885	363.188306
CLOT.	140.000	143.919662	0.000	517338.129	4067779.401	208.433802	92.747	85.328240	284.359617	157.931	361.254055

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 63.675 Dis= -56.741 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 161.010 Dis=-151.215 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	143.738	148.756989	0.000	517340.926	4067776.923	206.352618	94.885	83.247056	283.099251	155.850	359.993689
CIRC.	160.000	174.638730	0.000	517350.067	4067763.609	200.181956	107.733	77.076394	276.670331	151.291	353.564769
CLOT.	167.552	186.657601	0.000	517352.324	4067756.414	198.919981	114.947	75.814419	273.514729	151.949	350.409167
RECTA	177.552	194.615349	0.000	517353.582	4067746.500	198.364205	124.889	75.258643	269.580007	155.102	346.474445
RECTA	180.000	194.615349	0.000	517353.789	4067744.061	198.292137	127.334	75.186575	268.657077	156.057	345.551515
RECTA	200.000	194.615349	0.000	517355.479	4067724.132	197.793033	147.314	74.687471	261.556297	165.016	338.450735
RECTA	201.880	194.615349	0.000	517355.638	4067722.259	197.752996	149.192	74.647434	260.930008	165.958	337.824446

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 161.010 Dis=-151.215 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 162.990 Dis=-287.655 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	122.645048	0.000	517248.623	4067876.425	315.093359	249.715	231.295082	304.089507	376.146	20.291230

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 162.990 Dis=-287.655 K : 0.999603828
 Distancia: 192.546 Azimut: 84.754345
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 164.235 Dis=-479.695 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	122.645048	0.000	517248.623	4067876.425	304.089507	376.146	219.335163	297.564728	562.833	12.810383
CLOT.	8.679	122.645048	0.000	517256.759	4067873.402	303.657682	367.838	218.903337	297.182307	554.826	12.427963
CLOT.	20.000	124.659583	0.000	517267.329	4067869.348	303.044032	357.066	218.289687	296.653851	544.460	11.899507
CLOT.	40.000	138.065218	0.000	517285.071	4067860.198	301.486107	339.001	216.731763	295.437580	527.313	10.683235
CIRC.	49.179	148.428149	0.000	517292.224	4067854.462	300.417315	331.759	215.662971	294.675046	520.623	9.920701
CIRC.	60.000	162.205544	0.000	517299.197	4067846.215	298.809241	324.833	214.054897	293.585475	514.437	8.831130
CLOT.	73.236	179.057960	0.000	517305.071	4067834.397	296.430797	319.402	211.676452	292.043045	509.929	7.288701
CLOT.	80.000	184.029377	0.000	517306.943	4067827.899	295.110161	317.965	210.355816	291.206972	508.926	6.452627
RECTA	81.236	184.150919	0.000	517307.248	4067826.701	294.866148	317.755	210.111803	291.053235	508.790	6.298890
CLOT.	94.976	184.150919	0.000	517310.633	4067813.385	292.133068	315.743	207.378724	289.338864	507.486	4.584520
CLOT.	100.000	180.579689	0.000	517311.962	4067808.540	291.128068	315.061	206.373723	288.710987	507.008	3.956642
CIRC.	100.601	179.674686	0.000	517312.146	4067807.969	291.008407	314.958	206.254063	288.636202	506.928	3.881857
CIRC.	120.000	148.799750	0.000	517322.379	4067791.711	287.375825	307.614	202.621481	286.366677	500.059	1.612333
CLOT.	122.214	145.275474	0.000	517324.016	4067790.220	287.004835	306.308	202.250490	286.136223	498.780	1.381878
RECTA	127.839	140.799242	0.000	517328.444	4067786.753	286.101636	302.704	201.347292	285.577834	495.223	0.823489
CLOT.	133.738	140.799242	0.000	517333.172	4067783.226	285.149729	298.883	200.395384	284.994814	491.427	0.240470
CLOT.	140.000	143.919662	0.000	517338.129	4067779.401	284.098810	294.983	199.344466	284.357708	487.523	399.603363

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 PROYECTO :
 EJE : 15 : Segregado Almerimar

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 162.990 Dis=-287.655 K : 0.999603828
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 164.235 Dis=-479.695 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	143.738	148.756989	0.000	517340.926	4067776.923	283.426336	292.901	198.671992	283.953068	485.422	399.198724
CIRC.	160.000	174.638730	0.000	517350.067	4067763.609	280.058159	287.896	195.303815	281.940040	480.128	397.185696
CLOT.	167.552	186.657601	0.000	517352.324	4067756.414	278.390943	288.064	193.636599	280.939794	480.034	396.185449
RECTA	177.552	194.615349	0.000	517353.582	4067746.500	276.248178	290.344	191.493834	279.638668	481.857	394.884324
RECTA	180.000	194.615349	0.000	517353.789	4067744.061	275.734578	291.050	190.980233	279.324361	482.434	394.570017
RECTA	200.000	194.615349	0.000	517355.479	4067724.132	271.637367	297.514	186.883022	276.786308	487.581	392.031964
RECTA	201.880	194.615349	0.000	517355.638	4067722.259	271.261743	298.183	186.507398	276.550592	488.104	391.796248

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GRUPO 4

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PROYECTO :
 EJE : 18 : Camino Salida Almerimar MD

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 379.945 Dis= -0.975 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 538.063 Dis= -15.732 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	124.314419	0.000	516606.642	4068150.349	323.630823	379.262	193.347699	325.692083	549.017	395.408959
RECTA	20.000	124.314419	0.000	516625.201	4068142.895	323.592752	359.255	193.309628	325.744184	529.014	395.461060
CIRC.	27.011	124.314419	0.000	516631.707	4068140.281	323.578383	352.242	193.295259	325.763393	522.002	395.480269
CIRC.	40.000	122.660604	0.000	516643.821	4068135.597	323.581864	339.248	193.298739	325.821478	509.016	395.538354
CIRC.	60.000	120.114125	0.000	516662.702	4068129.004	323.719358	319.254	193.436234	326.002723	489.060	395.719599
CIRC.	80.000	117.567646	0.000	516681.831	4068123.172	324.045130	299.310	193.762005	326.307470	469.186	396.024345
RECTA	84.605	116.981306	0.000	516686.268	4068121.938	324.150762	294.729	193.867638	326.396734	464.625	396.113610
RECTA	100.000	116.981306	0.000	516701.118	4068117.880	324.545078	279.431	194.261954	326.718230	449.398	396.435106
RECTA	120.000	116.981306	0.000	516720.411	4068112.608	325.126727	259.575	194.843603	327.169913	429.635	396.886789
CIRC.	124.167	116.981306	0.000	516724.431	4068111.509	325.259302	255.441	194.976178	327.269308	425.520	396.986184
CIRC.	140.000	118.997192	0.000	516739.635	4068107.095	325.738612	239.713	195.455488	327.626657	409.856	397.343533
CIRC.	160.000	121.543671	0.000	516758.628	4068100.834	326.235760	219.787	195.952635	328.003197	389.989	397.720073
RECTA	168.876	122.673739	0.000	516766.974	4068097.814	326.409366	210.927	196.126241	328.140314	381.149	397.857190
RECTA	180.000	122.673739	0.000	516777.400	4068093.935	326.617302	199.818	196.334178	328.304509	370.063	398.021384
RECTA	200.000	122.673739	0.000	516796.145	4068086.961	327.055731	179.853	196.772607	328.625850	350.137	398.342726
RECTA	220.000	122.673739	0.000	516814.890	4068079.988	327.603619	159.898	197.320495	328.985961	330.222	398.702837
CIRC.	234.598	122.673739	0.000	516828.572	4068074.898	328.098480	145.343	197.815356	329.277487	315.693	398.994363

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 PROYECTO :
 EJE : 18 : Camino Salida Almerimar MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 379.945 Dis= -0.975 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 538.063 Dis= -15.732 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	240.000	123.361526	0.000	516833.625	4068072.987	328.294453	139.957	198.011329	329.386323	310.316	399.103199
CIRC.	260.000	125.908005	0.000	516852.145	4068065.440	328.904334	119.989	198.621209	329.713406	290.369	399.430282
CIRC.	280.000	128.454484	0.000	516870.348	4068057.158	329.249057	99.991	198.965933	329.900723	270.379	399.617599
RECTA	291.817	129.959109	0.000	516880.943	4068051.925	329.254723	88.169	198.971599	329.932450	258.558	399.649326
RECTA	300.000	129.959109	0.000	516888.236	4068048.215	329.182634	79.984	198.899510	329.931579	250.372	399.648454
RECTA	320.000	129.959109	0.000	516906.062	4068039.146	328.923616	59.978	198.640491	329.929188	230.364	399.646063
RECTA	340.000	129.959109	0.000	516923.888	4068030.078	328.405340	39.974	198.122215	329.926342	210.356	399.643217
RECTA	360.000	129.959109	0.000	516941.714	4068021.010	326.849217	19.978	196.566093	329.922897	190.348	399.639773
CIRC.	379.350	129.959109	0.000	516958.961	4068012.236	264.877579	1.143	134.594455	329.918798	170.991	399.635673
CIRC.	380.000	130.041857	0.000	516959.540	4068011.941	226.435371	0.977	96.152247	329.918486	170.340	399.635362
CIRC.	400.000	132.588336	0.000	516977.167	4068002.496	134.402255	20.105	4.119130	329.732645	150.339	399.449521
CIRC.	420.000	135.134816	0.000	516994.403	4067992.353	134.132579	40.111	3.849455	329.099507	130.381	398.816383
RECTA	436.370	137.219099	0.000	517008.200	4067983.544	134.725218	56.481	4.442094	328.085983	114.121	397.802859
RECTA	440.000	137.219099	0.000	517011.227	4067981.540	134.875846	60.110	4.592722	327.786933	110.528	397.503809
RECTA	460.000	137.219099	0.000	517027.905	4067970.502	135.460980	80.108	5.177856	325.715483	90.787	395.432359
CIRC.	463.785	137.219099	0.000	517031.061	4067968.413	135.540316	83.892	5.257192	325.217947	87.066	394.934823
CIRC.	480.000	133.089895	0.000	517044.864	4067959.909	135.477810	100.111	5.194686	322.959632	71.089	392.676507

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 PROYECTO :
 EJE : 18 : Camino Salida Almerimar MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 379.945 Dis= -0.975 K : 0.999603545
 Distancia: 170.397 Azimut: 130.283124
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 538.063 Dis= -15.732 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	485.521	131.683981	0.000	517049.686	4067957.220	135.316258	105.628	5.033133	322.169165	65.631	391.886041
RECTA	500.000	131.683981	0.000	517062.408	4067950.308	134.878390	120.092	4.595266	319.494591	51.353	389.211467
RECTA	520.000	131.683981	0.000	517079.982	4067940.760	134.422308	140.078	4.139184	311.887004	31.938	381.603880
RECTA	538.063	131.683981	0.000	517095.854	4067932.136	134.109491	158.134	3.826367	289.033692	15.738	358.750568

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 PROYECTO :
 EJE : 19 : Camino Entrada Malaga MI

pagina 1

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 0.000 Dis=-128.675 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 66.994 Dis= -81.397 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	317.536152	0.000	517211.242	4067988.836	390.062570	128.726	55.203090	68.447599	113.597	333.588119
RECTA	20.000	317.536152	0.000	517191.996	4067994.276	381.672334	138.294	46.812855	59.561674	100.223	324.702194
RECTA	40.000	317.536152	0.000	517172.750	4067999.716	374.474507	149.936	39.615027	48.243023	89.362	313.383543
CIRC.	56.250	317.536152	0.000	517157.112	4068004.136	369.444412	160.614	34.584932	37.151149	83.080	302.291669
CIRC.	60.000	321.514862	0.000	517153.538	4068005.268	368.411689	163.291	33.552209	34.353769	82.134	299.494289
RECTA	73.190	335.510340	0.000	517141.672	4068010.968	365.586947	174.128	30.727467	24.126651	81.983	289.267171
RECTA	80.000	335.510340	0.000	517135.895	4068014.573	364.491834	180.221	29.632354	19.007939	83.464	284.148459
CIRC.	90.954	335.510340	0.000	517126.602	4068020.370	362.878399	190.124	28.018919	11.231011	86.920	276.371531
CIRC.	100.000	329.751189	0.000	517118.721	4068024.805	361.549077	198.212	26.689597	5.201444	90.309	270.341964
RECTA	106.544	325.585263	0.000	517112.786	4068027.560	360.511958	203.879	25.652478	0.983826	92.775	266.124346
RECTA	120.000	325.585263	0.000	517100.402	4068032.824	358.437460	215.479	23.577980	392.914889	98.640	258.055409
CIRC.	127.739	325.585263	0.000	517093.280	4068035.851	357.343117	222.246	22.483637	388.729439	102.663	253.869959
CIRC.	140.000	321.682433	0.000	517081.856	4068040.298	355.649742	232.913	20.790262	382.638206	109.556	247.778726
RECTA	140.218	321.613149	0.000	517081.651	4068040.371	355.619469	233.101	20.759989	382.534814	109.681	247.675334
RECTA	160.000	321.613149	0.000	517062.997	4068046.959	353.056467	250.337	18.196987	374.079163	122.157	239.219683
RECTA	180.000	321.613149	0.000	517044.139	4068053.619	350.803853	268.121	15.944373	367.218877	136.538	232.359397
RECTA	200.000	321.613149	0.000	517025.280	4068060.279	348.833604	286.199	13.974124	361.716421	152.196	226.856941

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 PROYECTO :
 EJE : 19 : Camino Entrada Malaga MI

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 0.000 Dis=-128.675 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 66.994 Dis= -81.397 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	210.985	321.613149	0.000	517014.922	4068063.937	347.854254	296.235	12.994774	359.159143	161.206	224.299663
CIRC.	220.000	327.352218	0.000	517006.569	4068067.318	347.178080	304.666	12.318600	357.399009	168.981	222.539530
RECTA	221.297	328.177733	0.000	517005.393	4068067.866	347.097027	305.904	12.237547	357.181140	170.142	222.321660
RECTA	240.000	328.177733	0.000	516988.493	4068075.877	346.019886	323.841	11.160406	354.379461	187.125	219.519981
RECTA	260.000	328.177733	0.000	516970.420	4068084.443	344.992980	343.113	10.133500	351.900616	205.618	217.041136
RECTA	280.000	328.177733	0.000	516952.347	4068093.009	344.075507	362.464	9.216027	349.833423	224.371	214.973943
RECTA	300.000	328.177733	0.000	516934.274	4068101.575	343.251186	381.884	8.391706	348.086654	243.324	213.227175
RECTA	320.000	328.177733	0.000	516916.202	4068110.141	342.506756	401.361	7.647276	346.593284	262.434	211.733804
RECTA	340.000	328.177733	0.000	516898.129	4068118.707	341.831315	420.888	6.971835	345.303239	281.668	210.443759
RECTA	360.000	328.177733	0.000	516880.056	4068127.273	341.215832	440.458	6.356352	344.178515	301.004	209.319035
CIRC.	365.367	328.177733	0.000	516875.207	4068129.572	341.059879	445.716	6.200399	343.900914	306.207	209.041434
RECTA	379.337	323.730981	0.000	516862.385	4068135.110	340.604652	459.309	5.745172	343.126765	319.651	208.267285
RECTA	380.000	323.730981	0.000	516861.767	4068135.351	340.580586	459.949	5.721106	343.087190	320.285	208.227710
RECTA	400.000	323.730981	0.000	516843.140	4068142.635	339.885369	479.289	5.025889	341.963658	339.428	207.104178
RECTA	420.000	323.730981	0.000	516824.514	4068149.919	339.244151	498.682	4.384671	340.960364	358.665	206.100884
RECTA	440.000	323.730981	0.000	516805.887	4068157.203	338.650992	518.121	3.791512	340.059416	377.983	205.199936
CIRC.	444.052	323.730981	0.000	516802.113	4068158.679	338.536195	522.065	3.676715	339.887986	381.905	205.028506

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 PROYECTO :
 EJE : 19 : Camino Entrada Malaga MI

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 0.000 Dis=-128.675 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 66.994 Dis= -81.397 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	460.000	321.700452	0.000	516787.171	4068164.249	338.071482	537.543	3.212002	339.206768	397.305	204.347288
CIRC.	480.000	319.153973	0.000	516768.193	4068170.556	337.445589	556.813	2.586109	338.317662	416.488	203.458182
CIRC.	500.000	316.607494	0.000	516748.978	4068176.100	336.776563	575.914	1.917083	337.394851	435.518	202.535371
CIRC.	520.000	314.061014	0.000	516729.556	4068180.870	336.068917	594.833	1.209437	336.442812	454.386	201.583332
CIRC.	540.000	311.514535	0.000	516709.960	4068184.860	335.326568	613.558	0.467089	335.465267	473.083	200.605787
RECTA	553.596	309.783490	0.000	516696.554	4068187.124	334.803883	626.171	399.944403	334.787802	485.691	199.928323
CIRC.	559.682	309.783490	0.000	516690.540	4068188.056	334.568916	631.800	399.709436	334.485838	491.322	199.626358
CIRC.	560.000	309.648507	0.000	516690.225	4068188.104	334.556722	632.094	399.697242	334.470208	491.616	199.610729
RECTA	570.684	305.113992	0.000	516679.615	4068189.340	334.117880	641.836	399.258400	333.910093	501.369	199.050613
RECTA	580.000	305.113992	0.000	516670.329	4068190.087	333.716401	650.218	398.856921	333.401410	509.767	198.541930
RECTA	600.000	305.113992	0.000	516650.394	4068191.692	332.888579	668.297	398.029099	332.364180	527.902	197.504700
RECTA	620.000	305.113992	0.000	516630.458	4068193.297	332.104490	686.483	397.245010	331.396085	546.168	196.536606
RECTA	638.506	305.113992	0.000	516612.012	4068194.782	331.415168	703.399	396.555688	330.556404	563.176	195.696924

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 PROYECTO :
 EJE : 19 : Camino Entrada Malaga MI

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 66.994 Dis= -81.397 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 238.805 Dis= -69.198 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	317.536152	0.000	517211.242	4067988.836	68.447599	113.597	138.164474	106.061049	252.551	375.777925
RECTA	20.000	317.536152	0.000	517191.996	4067994.276	59.561674	100.223	129.278549	105.080518	232.895	374.797393
RECTA	40.000	317.536152	0.000	517172.750	4067999.716	48.243023	89.362	117.959899	103.919555	213.304	373.636431
CIRC.	56.250	317.536152	0.000	517157.112	4068004.136	37.151149	83.080	106.868025	102.806926	197.448	372.523801
CIRC.	60.000	321.514862	0.000	517153.538	4068005.268	34.353769	82.134	104.070644	102.487113	193.829	372.203989
RECTA	73.190	335.510340	0.000	517141.672	4068010.968	24.126651	81.983	93.843526	100.653920	181.820	370.370795
RECTA	80.000	335.510340	0.000	517135.895	4068014.573	19.007939	83.464	88.724814	99.371369	176.039	369.088245
CIRC.	90.954	335.510340	0.000	517126.602	4068020.370	11.231011	86.920	80.947887	97.123635	166.904	366.840511
CIRC.	100.000	329.751189	0.000	517118.721	4068024.805	5.201444	90.309	74.918320	95.209767	159.300	364.926642
RECTA	106.544	325.585263	0.000	517112.786	4068027.560	0.983826	92.775	70.700701	93.885871	153.621	363.602747
RECTA	120.000	325.585263	0.000	517100.402	4068032.824	392.914889	98.640	62.631764	91.001219	141.939	360.718095
CIRC.	127.739	325.585263	0.000	517093.280	4068035.851	388.729439	102.663	58.446315	89.118920	135.371	358.835796
CIRC.	140.000	321.682433	0.000	517081.856	4068040.298	382.638206	109.556	52.355082	85.895349	125.026	355.612224
RECTA	140.218	321.613149	0.000	517081.651	4068040.371	382.534814	109.681	52.251690	85.836217	124.842	355.553092
RECTA	160.000	321.613149	0.000	517062.997	4068046.959	374.079163	122.157	43.796038	79.645117	108.609	349.361993
RECTA	180.000	321.613149	0.000	517044.139	4068053.619	367.218877	136.538	36.935752	71.285739	93.599	341.002615
RECTA	200.000	321.613149	0.000	517025.280	4068060.279	361.716421	152.196	31.433297	60.020901	80.785	329.737776

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 PROYECTO :
 EJE : 19 : Camino Entrada Malaga MI

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 66.994 Dis= -81.397 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 238.805 Dis= -69.198 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	210.985	321.613149	0.000	517014.922	4068063.937	359.159143	161.206	28.876018	52.330818	75.098	322.047694
CIRC.	220.000	327.352218	0.000	517006.569	4068067.318	357.399009	168.981	27.115885	45.068588	71.745	314.785464
RECTA	221.297	328.177733	0.000	517005.393	4068067.866	357.181140	170.142	26.898016	43.954475	71.407	313.671351
RECTA	240.000	328.177733	0.000	516988.493	4068075.877	354.379461	187.125	24.096337	27.078845	69.236	296.795721
RECTA	260.000	328.177733	0.000	516970.420	4068084.443	351.900616	205.618	21.617492	9.256478	72.400	278.973354
RECTA	280.000	328.177733	0.000	516952.347	4068093.009	349.833423	224.371	19.550298	393.993535	80.564	263.710411
RECTA	300.000	328.177733	0.000	516934.274	4068101.575	348.086654	243.324	17.803530	382.080594	92.412	251.797470
RECTA	320.000	328.177733	0.000	516916.202	4068110.141	346.593284	262.434	16.310159	373.110467	106.724	242.827343
RECTA	340.000	328.177733	0.000	516898.129	4068118.707	345.303239	281.668	15.020115	366.361010	122.641	236.077886
RECTA	360.000	328.177733	0.000	516880.056	4068127.273	344.178515	301.004	13.895391	361.205595	139.614	230.922471
CIRC.	365.367	328.177733	0.000	516875.207	4068129.572	343.900914	306.207	13.617790	360.031095	144.301	229.747971
RECTA	379.337	323.730981	0.000	516862.385	4068135.110	343.126765	319.651	12.843641	357.130535	156.481	226.847411
RECTA	380.000	323.730981	0.000	516861.767	4068135.351	343.087190	320.285	12.804066	356.995774	157.056	226.712650
RECTA	400.000	323.730981	0.000	516843.140	4068142.635	341.963658	339.428	11.680533	353.354650	174.680	223.071526
RECTA	420.000	323.730981	0.000	516824.514	4068149.919	340.960364	358.665	10.677240	350.388644	192.770	220.105520
RECTA	440.000	323.730981	0.000	516805.887	4068157.203	340.059416	377.983	9.776292	347.935859	211.206	217.652735
CIRC.	444.052	323.730981	0.000	516802.113	4068158.679	339.887986	381.905	9.604862	347.490333	214.975	217.207209

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 PROYECTO :
 EJE : 19 : Camino Entrada Malaga MI

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 66.994 Dis= -81.397 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 238.805 Dis= -69.198 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	460.000	321.700452	0.000	516787.171	4068164.249	339.206768	397.305	8.923644	345.813411	229.816	215.530286
CIRC.	480.000	319.153973	0.000	516768.193	4068170.556	338.317662	416.488	8.034538	343.821984	248.374	213.538860
CIRC.	500.000	316.607494	0.000	516748.978	4068176.100	337.394851	435.518	7.111727	341.930257	266.860	211.647133
CIRC.	520.000	314.061014	0.000	516729.556	4068180.870	336.442812	454.386	6.159687	340.118511	285.262	209.835386
CIRC.	540.000	311.514535	0.000	516709.960	4068184.860	335.465267	473.083	5.182143	338.371880	303.567	208.088756
RECTA	553.596	309.783490	0.000	516696.554	4068187.124	334.787802	485.691	4.504678	337.215804	315.950	206.932680
CIRC.	559.682	309.783490	0.000	516690.540	4068188.056	334.485838	491.322	4.202714	336.712186	321.493	206.429062
CIRC.	560.000	309.648507	0.000	516690.225	4068188.104	334.470208	491.616	4.187084	336.686286	321.783	206.403162
RECTA	570.684	305.113992	0.000	516679.615	4068189.340	333.910093	501.369	3.626969	335.774292	331.390	205.491167
RECTA	580.000	305.113992	0.000	516670.329	4068190.087	333.401410	509.767	3.118286	334.965208	339.677	204.682084
RECTA	600.000	305.113992	0.000	516650.394	4068191.692	332.364180	527.902	2.081056	333.355558	357.640	203.072434
RECTA	620.000	305.113992	0.000	516630.458	4068193.297	331.396085	546.168	1.112961	331.900696	375.809	201.617571
RECTA	638.506	305.113992	0.000	516612.012	4068194.782	330.556404	563.176	0.273279	330.674958	392.781	200.391833

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 117.590 Dis=-162.647 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 120.849 Dis=-301.936 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	155.786033	231.311	220.926553	147.900868	367.082	13.041388
RECTA	20.000	393.634036	0.000	517377.232	4067703.965	152.466672	215.028	217.607192	145.520481	352.264	10.661001
CIRC.	35.676	393.634036	0.000	517375.667	4067719.563	149.498391	202.732	214.638911	143.512237	341.021	8.652757
CIRC.	40.000	395.469024	0.000	517375.298	4067723.871	148.600969	199.466	213.741489	142.926912	338.027	8.067432
CIRC.	60.000	3.957288	0.000	517375.208	4067743.856	143.677069	186.134	208.817589	139.885503	325.846	5.026023
RECTA	62.762	5.129712	0.000	517375.405	4067746.611	142.898279	184.554	208.038799	139.424615	324.398	4.565135
RECTA	80.000	5.129712	0.000	517376.792	4067763.793	137.706008	175.496	202.846528	136.440496	315.898	1.581016
RECTA	100.000	5.129712	0.000	517378.402	4067783.728	131.028164	166.615	196.168684	132.780742	306.957	397.921262
CIRC.	102.437	5.129712	0.000	517378.598	4067786.157	130.167630	165.665	195.308150	132.320477	305.939	397.460997
CIRC.	120.000	27.491240	0.000	517383.026	4067803.059	123.480880	162.788	188.621400	128.750572	302.064	393.891092
CIRC.	140.000	52.956031	0.000	517394.760	4067819.091	116.237927	169.048	181.378447	124.683242	306.251	389.823762
CIRC.	160.000	78.420822	0.000	517411.810	4067829.287	111.316219	183.528	176.456739	121.506122	318.583	386.646642
RECTA	174.886	97.373964	0.000	517426.374	4067832.090	109.595646	197.444	174.736166	120.070629	331.484	385.211149
RECTA	180.000	97.373964	0.000	517431.484	4067832.301	109.288703	202.468	174.429223	119.732585	336.283	384.873105
RECTA	200.000	97.373964	0.000	517451.467	4067833.126	108.221846	222.158	173.362366	118.498588	355.136	383.639108
RECTA	220.000	97.373964	0.000	517471.450	4067833.950	107.328908	241.900	172.469428	117.389374	374.109	382.529894
RECTA	240.000	97.373964	0.000	517491.433	4067834.775	106.570845	261.683	171.711365	116.387510	393.185	381.528030

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 117.590 Dis=-162.647 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 120.849 Dis=-301.936 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	97.373964	0.000	517511.416	4067835.600	105.919419	281.497	171.059939	115.478563	412.350	380.619083
RECTA	280.000	97.373964	0.000	517531.399	4067836.425	105.353719	301.337	170.494239	114.650503	431.590	379.791023
CIRC.	283.640	97.373964	0.000	517535.036	4067836.575	105.258674	304.950	170.399194	114.507670	435.100	379.648190
RECTA	294.150	94.028610	0.000	517545.520	4067837.284	104.941256	315.348	170.081776	114.069982	445.168	379.210502
RECTA	300.000	94.028610	0.000	517551.345	4067837.832	104.743346	321.117	169.883866	113.814043	450.736	378.954563
CIRC.	309.534	94.028610	0.000	517560.836	4067838.725	104.435626	330.523	169.576147	113.410242	459.826	378.550762
CIRC.	320.000	92.918083	0.000	517571.248	4067839.796	104.100532	340.843	169.241053	112.973129	469.798	378.113649
CIRC.	340.000	90.796017	0.000	517591.083	4067842.347	103.425216	360.502	168.565736	112.124492	488.758	377.265012
CIRC.	360.000	88.673951	0.000	517610.823	4067845.558	102.710088	380.072	167.850608	111.260043	507.587	376.400563
CIRC.	380.000	86.551885	0.000	517630.445	4067849.424	101.961157	399.547	167.101677	110.381579	526.280	375.522099
CIRC.	400.000	84.429819	0.000	517649.927	4067853.943	101.183284	418.919	166.323804	109.490634	544.830	374.631154
CIRC.	420.000	82.307753	0.000	517669.247	4067859.108	100.380444	438.183	165.520964	108.588530	563.233	373.729050
CIRC.	440.000	80.185687	0.000	517688.385	4067864.915	99.555917	457.331	164.696437	107.676408	581.483	372.816928
RECTA	445.691	79.581897	0.000	517693.794	4067866.683	99.317744	462.758	164.458264	107.415193	586.647	372.555713
CIRC.	458.408	79.581897	0.000	517705.863	4067870.693	98.797425	474.890	163.937946	106.841894	598.197	371.982414
CIRC.	460.000	84.648521	0.000	517707.392	4067871.134	98.742319	476.427	163.882839	106.777890	599.671	371.918410
RECTA	479.626	147.120148	0.000	517725.656	4067866.480	99.387924	494.629	164.528444	107.054635	618.339	372.195155

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR02 X: 517231.246 Y: 4067861.726 Z: 73.033 PK: 117.590 Dis=-162.647 K : 0.999603659
 Distancia: 140.480 Azimut: 334.859480
 BO : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 120.849 Dis=-301.936 K : 0.999603608

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	480.000	147.120148	0.000	517725.932	4067866.227	99.420719	494.903	164.561239	107.077295	618.642	372.217815
RECTA	490.186	147.120148	0.000	517733.453	4067859.358	100.300171	502.412	165.440691	107.686090	626.910	372.826610

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-03 X: 517111.353 Y: 4067934.833 Z: 68.058 PK: 120.849 Dis=-301.936 K : 0.999603608
 Distancia: 170.397 Azimut: 330.283124
 BO : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 121.287 Dis=-472.224 K : 0.999603545

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	147.900868	367.082	217.617744	142.333444	533.032	12.050320

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 121.287 Dis=-472.224 K : 0.999603545
 Distancia: 415.468 Azimut: 122.139698
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 140.994 Dis= -68.508 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	142.333444	533.032	20.193746	190.265937	189.520	268.126239
RECTA	20.000	393.634036	0.000	517377.232	4067703.965	140.564010	519.377	18.424312	189.868647	169.543	267.728949
CIRC.	35.676	393.634036	0.000	517375.667	4067719.563	139.111578	508.968	16.971880	189.485146	153.891	267.345448
CIRC.	40.000	395.469024	0.000	517375.298	4067723.871	138.695514	506.192	16.555816	189.338804	149.579	267.199106
CIRC.	60.000	3.957288	0.000	517375.208	4067743.856	136.590877	494.971	14.451179	187.748863	129.892	265.609165
RECTA	62.762	5.129712	0.000	517375.405	4067746.611	136.278694	493.644	14.138996	187.388276	127.226	265.248578
RECTA	80.000	5.129712	0.000	517376.792	4067763.793	134.283621	485.778	12.143923	184.660584	110.748	262.520886
RECTA	100.000	5.129712	0.000	517378.402	4067783.728	131.889232	477.269	9.749534	180.281073	91.983	258.141375
CIRC.	102.437	5.129712	0.000	517378.598	4067786.157	131.591690	476.280	9.451992	179.622880	89.733	257.483182
CIRC.	120.000	27.491240	0.000	517383.026	4067803.059	129.303290	472.429	7.163592	171.589161	75.679	249.449463
CIRC.	140.000	52.956031	0.000	517394.760	4067819.091	126.684668	476.225	4.544970	155.145097	68.552	233.005399
CIRC.	160.000	78.420822	0.000	517411.810	4067829.287	124.562765	487.925	2.423067	138.184075	74.456	216.044377
RECTA	174.886	97.373964	0.000	517426.374	4067832.090	123.534782	500.433	1.395084	130.322138	85.551	208.182440
RECTA	180.000	97.373964	0.000	517431.484	4067832.301	123.277202	505.128	1.137504	128.532041	90.033	206.392343
RECTA	200.000	97.373964	0.000	517451.467	4067833.126	122.314361	523.562	0.174663	122.985655	108.102	200.845957
RECTA	220.000	97.373964	0.000	517471.450	4067833.950	121.417206	542.108	399.277508	119.048574	126.755	196.908876
RECTA	240.000	97.373964	0.000	517491.433	4067834.775	120.579558	560.754	398.439860	116.129652	145.767	193.989954

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 121.287 Dis=-472.224 K : 0.999603545
 Distancia: 415.468 Azimut: 122.139698
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 140.994 Dis= -68.508 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	97.373964	0.000	517511.416	4067835.600	119.795951	579.492	397.656253	113.887839	165.015	191.748141
RECTA	280.000	97.373964	0.000	517531.399	4067836.425	119.061534	598.311	396.921836	112.116079	184.425	189.976381
CIRC.	283.640	97.373964	0.000	517535.036	4067836.575	118.932807	601.745	396.793109	111.833015	187.972	189.693317
RECTA	294.150	94.028610	0.000	517545.520	4067837.284	118.542271	611.577	396.402573	110.986333	198.166	188.846635
RECTA	300.000	94.028610	0.000	517551.345	4067837.832	118.315460	617.005	396.175762	110.505151	203.818	188.365453
CIRC.	309.534	94.028610	0.000	517560.836	4067838.725	117.954274	625.866	395.814576	109.775766	213.052	187.636068
CIRC.	320.000	92.918083	0.000	517571.248	4067839.796	117.560843	635.584	395.421145	109.019308	223.197	186.879610
CIRC.	340.000	90.796017	0.000	517591.083	4067842.347	116.795726	654.030	394.656028	107.620572	242.539	185.480874
CIRC.	360.000	88.673951	0.000	517610.823	4067845.558	116.014446	672.307	393.874748	106.271655	261.821	184.131957
CIRC.	380.000	86.551885	0.000	517630.445	4067849.424	115.218424	690.410	393.078726	104.962171	281.034	182.822473
CIRC.	400.000	84.429819	0.000	517649.927	4067853.943	114.408924	708.332	392.269226	103.684431	300.173	181.544733
CIRC.	420.000	82.307753	0.000	517669.247	4067859.108	113.587070	726.068	391.447372	102.432621	319.232	180.292923
CIRC.	440.000	80.185687	0.000	517688.385	4067864.915	112.753869	743.612	390.614171	101.202264	338.204	179.062566
RECTA	445.691	79.581897	0.000	517693.794	4067866.683	112.514853	748.568	390.375155	100.855604	343.586	178.715906
CIRC.	458.408	79.581897	0.000	517705.863	4067870.693	111.987556	759.652	389.847858	100.108600	355.629	177.968902
CIRC.	460.000	84.648521	0.000	517707.392	4067871.134	111.927340	761.073	389.787642	100.029463	357.158	177.889765
RECTA	479.626	147.120148	0.000	517725.656	4067866.480	112.022947	779.893	389.883249	100.817503	375.461	178.677805

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 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR01 X: 516959.934 Y: 4068012.835 Z: 60.380 PK: 121.287 Dis=-472.224 K : 0.999603545
 Distancia: 415.468 Azimut: 122.139698
 BO : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 140.994 Dis= -68.508 K : 0.999603710

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	480.000	147.120148	0.000	517725.932	4067866.227	112.038936	780.211	389.899238	100.859646	375.740	178.719948
RECTA	490.186	147.120148	0.000	517733.453	4067859.358	112.469474	788.911	390.329776	101.983771	383.416	179.844073

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 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 140.994 Dis= -68.508 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 239.124 Dis= 16.956 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	190.265937	189.520	67.160375	244.392322	174.524	321.286760
RECTA	20.000	393.634036	0.000	517377.232	4067703.965	189.868647	169.543	66.763085	250.053828	161.183	326.948266
CIRC.	35.676	393.634036	0.000	517375.667	4067719.563	189.485146	153.891	66.379584	255.156034	151.754	332.050472
CIRC.	40.000	395.469024	0.000	517375.298	4067723.871	189.338804	149.579	66.233242	256.658574	149.286	333.553012
CIRC.	60.000	3.957288	0.000	517375.208	4067743.856	187.748863	129.892	64.643301	263.885050	137.658	340.779488
RECTA	62.762	5.129712	0.000	517375.405	4067746.611	187.388276	127.226	64.282714	264.923506	136.029	341.817944
RECTA	80.000	5.129712	0.000	517376.792	4067763.793	184.660584	110.748	61.555022	271.935672	126.615	348.830110
RECTA	100.000	5.129712	0.000	517378.402	4067783.728	180.281073	91.983	57.175511	281.335206	117.932	358.229644
CIRC.	102.437	5.129712	0.000	517378.598	4067786.157	179.622880	89.733	56.517318	282.569718	117.064	359.464156
CIRC.	120.000	27.491240	0.000	517383.026	4067803.059	171.589161	75.679	48.483599	291.384201	109.273	368.278639
CIRC.	140.000	52.956031	0.000	517394.760	4067819.091	155.145097	68.552	32.039535	300.853517	96.544	377.747955
CIRC.	160.000	78.420822	0.000	517411.810	4067829.287	138.184075	74.456	15.078513	309.144099	80.305	386.038537
RECTA	174.886	97.373964	0.000	517426.374	4067832.090	130.322138	85.551	7.216576	313.803515	66.465	390.697953
RECTA	180.000	97.373964	0.000	517431.484	4067832.301	128.532041	90.033	5.426479	315.154584	61.532	392.049022
RECTA	200.000	97.373964	0.000	517451.467	4067833.126	122.985655	108.102	399.880093	323.409428	42.658	0.303866
RECTA	220.000	97.373964	0.000	517471.450	4067833.950	119.048574	126.755	395.943012	343.553599	25.569	20.448037
RECTA	240.000	97.373964	0.000	517491.433	4067834.775	116.129652	145.767	393.024090	0.658846	16.986	77.553284

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 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 140.994 Dis= -68.508 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 239.124 Dis= 16.956 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	97.373964	0.000	517511.416	4067835.600	113.887839	165.015	390.782277	53.945604	26.905	130.840042
RECTA	280.000	97.373964	0.000	517531.399	4067836.425	112.116079	184.425	389.010517	72.340471	44.271	149.234909
CIRC.	283.640	97.373964	0.000	517535.036	4067836.575	111.833015	187.972	388.727453	74.204832	47.655	151.099270
RECTA	294.150	94.028610	0.000	517545.520	4067837.284	110.986333	198.166	387.880771	78.051115	57.679	154.945553
RECTA	300.000	94.028610	0.000	517551.345	4067837.832	110.505151	203.818	387.399589	79.511466	63.365	156.405904
CIRC.	309.534	94.028610	0.000	517560.836	4067838.725	109.775766	213.052	386.670204	81.400074	72.687	158.294512
CIRC.	320.000	92.918083	0.000	517571.248	4067839.796	109.019308	223.197	385.913746	82.914271	82.993	159.808709
CIRC.	340.000	90.796017	0.000	517591.083	4067842.347	107.620572	242.539	384.515010	84.648515	102.842	161.542953
CIRC.	360.000	88.673951	0.000	517610.823	4067845.558	106.271655	261.821	383.166093	85.476395	122.795	162.370833
CIRC.	380.000	86.551885	0.000	517630.445	4067849.424	104.962171	281.034	381.856609	85.775693	142.792	162.670131
CIRC.	400.000	84.429819	0.000	517649.927	4067853.943	103.684431	300.173	380.578869	85.740688	162.799	162.635126
CIRC.	420.000	82.307753	0.000	517669.247	4067859.108	102.432621	319.232	379.327059	85.481140	182.794	162.375578
CIRC.	440.000	80.185687	0.000	517688.385	4067864.915	101.202264	338.204	378.096702	85.063623	202.761	161.958061
RECTA	445.691	79.581897	0.000	517693.794	4067866.683	100.855604	343.586	377.750042	84.922307	208.436	161.816745
CIRC.	458.408	79.581897	0.000	517705.863	4067870.693	100.108600	355.629	377.003038	84.615386	221.116	161.509824
CIRC.	460.000	84.648521	0.000	517707.392	4067871.134	100.029463	357.158	376.923901	84.597519	222.707	161.491957
RECTA	479.626	147.120148	0.000	517725.656	4067866.480	100.817503	375.461	377.711941	86.963304	239.496	163.857742

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-02 X: 517350.375 Y: 4067871.299 Z: 78.263 PK: 140.994 Dis= -68.508 K : 0.999603710
 Distancia: 150.759 Azimut: 123.105562
 BO : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 239.124 Dis= 16.956 K : 0.999603770

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	480.000	147.120148	0.000	517725.932	4067866.227	100.859646	375.740	377.754084	87.043826	239.715	163.938264
RECTA	490.186	147.120148	0.000	517733.453	4067859.358	101.983771	383.416	378.878209	89.180924	245.833	166.075362

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 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 239.124 Dis= 16.956 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 374.106 Dis= -4.155 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	244.392322	174.524	160.594045	261.648432	296.995	377.850155
RECTA	20.000	393.634036	0.000	517377.232	4067703.965	250.053828	161.183	166.255551	265.528396	287.895	381.730118
CIRC.	35.676	393.634036	0.000	517375.667	4067719.563	255.156034	151.754	171.357757	268.735781	281.551	384.937504
CIRC.	40.000	395.469024	0.000	517375.298	4067723.871	256.658574	149.286	172.860297	269.639855	279.873	385.841577
CIRC.	60.000	3.957288	0.000	517375.208	4067743.856	263.885050	137.658	180.086773	273.819618	271.360	390.021341
RECTA	62.762	5.129712	0.000	517375.405	4067746.611	264.923506	136.029	181.125229	274.396610	270.089	390.598333
RECTA	80.000	5.129712	0.000	517376.792	4067763.793	271.935672	126.615	188.137395	278.102501	262.529	394.304224
RECTA	100.000	5.129712	0.000	517378.402	4067783.728	281.335206	117.932	197.536929	282.659112	254.940	398.860835
CIRC.	102.437	5.129712	0.000	517378.598	4067786.157	282.569718	117.064	198.771441	283.232323	254.107	399.434046
CIRC.	120.000	27.491240	0.000	517383.026	4067803.059	291.384201	109.273	207.585924	287.162957	245.897	3.364680
CIRC.	140.000	52.956031	0.000	517394.760	4067819.091	300.853517	96.544	217.055240	290.838401	231.570	7.040124
CIRC.	160.000	78.420822	0.000	517411.810	4067829.287	309.144099	80.305	225.345822	293.121150	213.363	9.322873
RECTA	174.886	97.373964	0.000	517426.374	4067832.090	313.803515	66.465	230.005237	293.511003	198.580	9.712726
RECTA	180.000	97.373964	0.000	517431.484	4067832.301	315.154584	61.532	231.356307	293.408913	193.473	9.610635
RECTA	200.000	97.373964	0.000	517451.467	4067833.126	323.409428	42.658	239.611150	292.951980	173.509	9.153703
RECTA	220.000	97.373964	0.000	517471.450	4067833.950	343.553599	25.569	259.755322	292.376261	153.555	8.577984
RECTA	240.000	97.373964	0.000	517491.433	4067834.775	0.658846	16.986	316.860569	291.628659	133.618	7.830382

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 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 239.124 Dis= 16.956 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 374.106 Dis= -4.155 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	97.373964	0.000	517511.416	4067835.600	53.945604	26.905	370.147327	290.619035	113.706	6.820757
RECTA	280.000	97.373964	0.000	517531.399	4067836.425	72.340471	44.271	388.542193	289.181291	93.835	5.383014
CIRC.	283.640	97.373964	0.000	517535.036	4067836.575	74.204832	47.655	390.406555	288.851522	90.224	5.053245
RECTA	294.150	94.028610	0.000	517545.520	4067837.284	78.051115	57.679	394.252838	287.950636	79.780	4.152359
RECTA	300.000	94.028610	0.000	517551.345	4067837.832	79.511466	63.365	395.713188	287.470402	73.957	3.672125
CIRC.	309.534	94.028610	0.000	517560.836	4067838.725	81.400074	72.687	397.601797	286.502011	64.478	2.703733
CIRC.	320.000	92.918083	0.000	517571.248	4067839.796	82.914271	82.993	399.115994	285.154924	54.082	1.356647
CIRC.	340.000	90.796017	0.000	517591.083	4067842.347	84.648515	102.842	0.850238	281.244696	34.250	397.446419
CIRC.	360.000	88.673951	0.000	517610.823	4067845.558	85.476395	122.795	1.678118	269.631019	14.664	385.832742
CIRC.	380.000	86.551885	0.000	517630.445	4067849.424	85.775693	142.792	1.977416	126.061303	7.197	242.263026
CIRC.	400.000	84.429819	0.000	517649.927	4067853.943	85.740688	162.799	1.942411	95.965543	26.145	212.167266
CIRC.	420.000	82.307753	0.000	517669.247	4067859.108	85.481140	182.794	1.682863	90.507456	45.930	206.709178
CIRC.	440.000	80.185687	0.000	517688.385	4067864.915	85.063623	202.761	1.265346	87.700218	65.789	203.901941
RECTA	445.691	79.581897	0.000	517693.794	4067866.683	84.922307	208.436	1.124029	87.078931	71.443	203.280654
CIRC.	458.408	79.581897	0.000	517705.863	4067870.693	84.615386	221.116	0.817108	85.947208	84.091	202.148931
CIRC.	460.000	84.648521	0.000	517707.392	4067871.134	84.597519	222.707	0.799241	85.876052	85.680	202.077775
RECTA	479.626	147.120148	0.000	517725.656	4067866.480	86.963304	239.496	3.165027	91.182850	102.836	207.384573

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 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR03 X: 517491.257 Y: 4067817.797 Z: 73.210 PK: 239.124 Dis= 16.956 K : 0.999603770
 Distancia: 137.055 Azimut: 83.798277
 BO : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 374.106 Dis= -4.155 K : 0.999603828

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	480.000	147.120148	0.000	517725.932	4067866.227	87.043826	239.715	3.245549	91.360739	103.075	207.562462
RECTA	490.186	147.120148	0.000	517733.453	4067859.358	89.180924	245.833	5.382647	95.899294	109.879	212.101017

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 374.106 Dis= -4.155 K : 0.999603828
 Distancia: 399.595 Azimut: 59.086234
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 488.662 Dis=-313.261 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	261.648432	296.995	202.562198	260.178616	696.452	1.092383
RECTA	20.000	393.634036	0.000	517377.232	4067703.965	265.528396	287.895	206.442162	261.783532	686.633	2.697298
CIRC.	35.676	393.634036	0.000	517375.667	4067719.563	268.735781	281.551	209.649548	263.073308	679.250	3.987074
CIRC.	40.000	395.469024	0.000	517375.298	4067723.871	269.639855	279.873	210.553621	263.431203	677.208	4.344970
CIRC.	60.000	3.957288	0.000	517375.208	4067743.856	273.819618	271.360	214.733384	265.038901	666.633	5.952667
RECTA	62.762	5.129712	0.000	517375.405	4067746.611	274.396610	270.089	215.310377	265.254127	665.030	6.167893
RECTA	80.000	5.129712	0.000	517376.792	4067763.793	278.102501	262.529	219.016267	266.611958	655.070	7.525724
RECTA	100.000	5.129712	0.000	517378.402	4067783.728	282.659112	254.940	223.572878	268.239145	643.900	9.152911
CIRC.	102.437	5.129712	0.000	517378.598	4067786.157	283.232323	254.107	224.146090	268.441278	642.568	9.355045
CIRC.	120.000	27.491240	0.000	517383.026	4067803.059	287.162957	245.897	228.076723	269.729885	630.758	10.643652
CIRC.	140.000	52.956031	0.000	517394.760	4067819.091	290.838401	231.570	231.752168	270.652623	613.044	11.566390
CIRC.	160.000	78.420822	0.000	517411.810	4067829.287	293.121150	213.363	234.034917	270.818768	593.232	11.732535
RECTA	174.886	97.373964	0.000	517426.374	4067832.090	293.511003	198.580	234.424770	270.386315	578.939	11.300081
RECTA	180.000	97.373964	0.000	517431.484	4067832.301	293.408913	193.473	234.322679	270.153018	574.280	11.066785
RECTA	200.000	97.373964	0.000	517451.467	4067833.126	292.951980	173.509	233.865747	269.203232	556.135	10.116998
RECTA	220.000	97.373964	0.000	517471.450	4067833.950	292.376261	153.555	233.290027	268.189623	538.122	9.103389
RECTA	240.000	97.373964	0.000	517491.433	4067834.775	291.628659	133.618	232.542426	267.106104	520.256	8.019870

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 374.106 Dis= -4.155 K : 0.999603828
 Distancia: 399.595 Azimut: 59.086234
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 488.662 Dis=-313.261 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	97.373964	0.000	517511.416	4067835.600	290.619035	113.706	231.532801	265.945881	502.550	6.859648
RECTA	280.000	97.373964	0.000	517531.399	4067836.425	289.181291	93.835	230.095058	264.701371	485.024	5.615138
CIRC.	283.640	97.373964	0.000	517535.036	4067836.575	288.851522	90.224	229.765289	264.465140	481.855	5.378906
RECTA	294.150	94.028610	0.000	517545.520	4067837.284	287.950636	79.780	228.864403	263.797856	472.608	4.711623
RECTA	300.000	94.028610	0.000	517551.345	4067837.832	287.470402	73.957	228.384169	263.433410	467.411	4.347176
CIRC.	309.534	94.028610	0.000	517560.836	4067838.725	286.502011	64.478	227.415777	262.821838	458.975	3.735604
CIRC.	320.000	92.918083	0.000	517571.248	4067839.796	285.154924	54.082	226.068691	262.135445	449.721	3.049212
CIRC.	340.000	90.796017	0.000	517591.083	4067842.347	281.244696	34.250	222.158463	260.808173	431.949	1.721940
CIRC.	360.000	88.673951	0.000	517610.823	4067845.558	269.631019	14.664	210.544785	259.457975	414.066	0.371742
CIRC.	380.000	86.551885	0.000	517630.445	4067849.424	126.061303	7.197	66.975069	258.081587	396.076	398.995353
CIRC.	400.000	84.429819	0.000	517649.927	4067853.943	95.965543	26.145	36.879310	256.675098	377.987	397.588864
CIRC.	420.000	82.307753	0.000	517669.247	4067859.108	90.507456	45.930	31.421222	255.233784	359.805	396.147551
CIRC.	440.000	80.185687	0.000	517688.385	4067864.915	87.700218	65.789	28.613985	253.751886	341.538	394.665653
RECTA	445.691	79.581897	0.000	517693.794	4067866.683	87.078931	71.443	27.992698	253.321878	336.326	394.235645
CIRC.	458.408	79.581897	0.000	517705.863	4067870.693	85.947208	84.091	26.860975	252.321854	324.710	393.235621
CIRC.	460.000	84.648521	0.000	517707.392	4067871.134	85.876052	85.680	26.789819	252.180444	323.290	393.094210
RECTA	479.626	147.120148	0.000	517725.656	4067866.480	91.182850	102.836	32.096617	248.955907	313.515	389.869674

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-01 X: 517623.845 Y: 4067852.288 Z: 67.525 PK: 374.106 Dis= -4.155 K : 0.999603828
 Distancia: 399.595 Azimut: 59.086234
 BO : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 488.662 Dis=-313.261 K : 0.999603968

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	480.000	147.120148	0.000	517725.932	4067866.227	91.360739	103.075	32.274505	248.879970	313.505	389.793737
RECTA	490.186	147.120148	0.000	517733.453	4067859.358	95.899294	109.879	36.813060	246.810421	313.389	387.724188

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 488.662 Dis=-313.261 K : 0.999603968
 Distancia: 234.965 Azimut: 238.247207
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.186 Dis= -86.456 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	393.634036	0.000	517379.229	4067684.065	260.178616	696.452	21.931409	270.710288	481.871	232.463082
RECTA	20.000	393.634036	0.000	517377.232	4067703.965	261.783532	686.633	23.536325	273.219522	475.190	234.972316
CIRC.	35.676	393.634036	0.000	517375.667	4067719.563	263.073308	679.250	24.826101	275.233734	470.482	236.986527
CIRC.	40.000	395.469024	0.000	517375.298	4067723.871	263.431203	677.208	25.183996	275.793766	469.208	237.546559
CIRC.	60.000	3.957288	0.000	517375.208	4067743.856	265.038901	666.633	26.791694	278.355890	462.246	240.108684
RECTA	62.762	5.129712	0.000	517375.405	4067746.611	265.254127	665.030	27.006920	278.705573	461.148	240.458366
RECTA	80.000	5.129712	0.000	517376.792	4067763.793	266.611958	655.070	28.364751	280.916499	454.468	242.669292
RECTA	100.000	5.129712	0.000	517378.402	4067783.728	268.239145	643.900	29.991938	283.560644	447.426	245.313437
CIRC.	102.437	5.129712	0.000	517378.598	4067786.157	268.441278	642.568	30.194071	283.888440	446.622	245.641234
CIRC.	120.000	27.491240	0.000	517383.026	4067803.059	269.729885	630.758	31.482679	286.105211	438.366	247.858004
CIRC.	140.000	52.956031	0.000	517394.760	4067819.091	270.652623	613.044	32.405417	288.076489	423.636	249.829282
CIRC.	160.000	78.420822	0.000	517411.810	4067829.287	270.818768	593.232	32.571562	289.152603	405.035	250.905396
RECTA	174.886	97.373964	0.000	517426.374	4067832.090	270.386315	578.939	32.139108	289.200327	390.202	250.953120
RECTA	180.000	97.373964	0.000	517431.484	4067832.301	270.153018	574.280	31.905811	289.092042	385.128	250.844835
RECTA	200.000	97.373964	0.000	517451.467	4067833.126	269.203232	556.135	30.956025	288.639703	365.298	250.392497
RECTA	220.000	97.373964	0.000	517471.450	4067833.950	268.189623	538.122	29.942416	288.135466	345.489	249.888259
RECTA	240.000	97.373964	0.000	517491.433	4067834.775	267.106104	520.256	28.858897	287.569931	325.705	249.322724

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 488.662 Dis=-313.261 K : 0.999603968
 Distancia: 234.965 Azimut: 238.247207
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.186 Dis= -86.456 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	97.373964	0.000	517511.416	4067835.600	265.945881	502.550	27.698675	286.931304	305.949	248.684097
RECTA	280.000	97.373964	0.000	517531.399	4067836.425	264.701371	485.024	26.454165	286.204594	286.228	247.957387
CIRC.	283.640	97.373964	0.000	517535.036	4067836.575	264.465140	481.855	26.217933	286.061420	282.643	247.814213
RECTA	294.150	94.028610	0.000	517545.520	4067837.284	263.797856	472.608	25.550649	285.690610	272.255	247.443404
RECTA	300.000	94.028610	0.000	517551.345	4067837.832	263.433410	467.411	25.186203	285.508000	266.454	247.260793
CIRC.	309.534	94.028610	0.000	517560.836	4067838.725	262.821838	458.975	24.574631	285.192747	257.005	246.945541
CIRC.	320.000	92.918083	0.000	517571.248	4067839.796	262.135445	449.721	23.888238	284.842185	246.627	246.594979
CIRC.	340.000	90.796017	0.000	517591.083	4067842.347	260.808173	431.949	22.560967	284.224485	226.752	245.977279
CIRC.	360.000	88.673951	0.000	517610.823	4067845.558	259.457975	414.066	21.210768	283.692098	206.827	245.444891
CIRC.	380.000	86.551885	0.000	517630.445	4067849.424	258.081587	396.076	19.834380	283.272565	186.862	245.025358
CIRC.	400.000	84.429819	0.000	517649.927	4067853.943	256.675098	377.987	18.427891	283.006653	166.869	244.759446
CIRC.	420.000	82.307753	0.000	517669.247	4067859.108	255.233784	359.805	16.986577	282.957319	146.862	244.710113
CIRC.	440.000	80.185687	0.000	517688.385	4067864.915	253.751886	341.538	15.504680	283.227058	126.863	244.979851
RECTA	445.691	79.581897	0.000	517693.794	4067866.683	253.321878	336.326	15.074672	283.384048	121.179	245.136841
CIRC.	458.408	79.581897	0.000	517705.863	4067870.693	252.321854	324.710	14.074648	283.829703	108.481	245.582497
CIRC.	460.000	84.648521	0.000	517707.392	4067871.134	252.180444	323.290	13.933237	283.855235	106.890	245.608028
RECTA	479.626	147.120148	0.000	517725.656	4067866.480	248.955907	313.515	10.708700	277.472374	90.827	239.225167

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 PROYECTO :
 EJE : 20 : Camino Entrada Almeria MD

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR06 X: 517943.593 Y: 4068091.685 Z: 46.902 PK: 488.662 Dis=-313.261 K : 0.999603968
 Distancia: 234.965 Azimut: 238.247207
 BO : BR04 X: 517810.822 Y: 4067897.941 Z: 58.347 PK: 490.186 Dis= -86.456 K : 0.999603909

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	480.000	147.120148	0.000	517725.932	4067866.227	248.879970	313.505	10.632764	277.238959	90.656	238.991752
RECTA	490.186	147.120148	0.000	517733.453	4067859.358	246.810421	313.389	8.563214	270.550155	86.490	232.302948

ENLACE 411

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pagina 1

PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 74.095 Dis= 8.810 K : 0.999604449
 Distancia: 208.224 Azimut: 26.470053
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	259.160693	74.855	232.690640	234.980474	275.886	8.510422
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	261.472844	54.983	235.002792	233.609812	256.716	7.139760
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	266.853563	35.325	240.383511	232.086665	237.601	5.616612
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	285.857393	16.664	259.387340	230.371664	218.558	3.901612
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	387.629036	10.620	361.158983	228.411008	199.612	1.940955
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	28.714450	27.445	2.244397	226.129427	180.798	399.659374
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	37.066885	46.892	10.596832	223.418834	162.166	396.948781
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	40.244123	66.704	13.774071	220.119460	143.790	393.649408
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	41.768537	86.629	15.298484	215.987730	125.785	389.517678
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	42.563463	106.601	16.093410	210.640948	108.343	384.170896
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	42.973420	126.594	16.503367	203.464980	91.787	376.994928
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	43.155720	146.598	16.685667	193.485456	76.698	367.015403
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	43.192310	166.606	16.722258	179.328908	64.124	352.858855
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	43.191702	167.208	16.721649	178.823480	63.801	352.353428
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	43.133850	186.613	16.663797	159.888579	55.805	333.418527
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	43.026416	206.618	16.556363	136.631591	53.815	310.161539
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	42.903559	226.622	16.433507	114.625430	58.868	288.155378

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

pagina 2

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 74.095 Dis= 8.810 K : 0.999604449
 Distancia: 208.224 Azimut: 26.470053
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	42.824092	240.045	16.354039	102.653160	65.521	276.183108
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	42.787831	246.625	16.317779	97.705652	69.499	271.235600
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	42.688587	266.629	16.218534	85.866380	83.636	259.396327
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	42.603195	286.633	16.133143	77.646563	99.803	251.176510
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	42.528945	306.638	16.058893	71.786816	117.161	245.316764
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	42.463790	326.644	15.993737	67.465741	135.254	240.995688
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	42.452296	330.447	15.982244	66.772638	138.753	240.302586
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	42.406373	346.649	15.936320	64.176025	153.822	237.705973
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	42.357106	366.655	15.887054	61.604036	172.715	235.133984
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	42.316926	386.662	15.846874	59.549619	191.842	233.079566
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	42.286588	406.669	15.816536	57.880080	211.141	231.410028
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	42.266704	426.676	15.796652	56.504673	230.573	230.034620
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	42.257778	446.684	15.787725	55.359551	250.109	228.889498
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	42.260226	466.692	15.790174	54.398646	269.729	227.928593
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	42.274397	486.700	15.804345	53.587963	289.418	227.117910
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	42.300584	506.706	15.830531	52.901910	309.164	226.431857
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	42.339034	526.712	15.868981	52.320880	328.959	225.850828

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

pagina 3

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 74.095 Dis= 8.810 K : 0.999604449
 Distancia: 208.224 Azimut: 26.470053
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	42.389959	546.715	15.919906	51.829611	348.796	225.359559
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	42.453539	566.715	15.983487	51.416054	368.667	224.946002
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	42.463984	569.661	15.993931	51.361096	371.597	224.891044
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	42.529781	586.711	16.059729	51.070350	388.569	224.600298
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	42.617781	606.702	16.147728	50.783182	408.496	224.313129
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	42.716411	626.687	16.246358	50.546440	428.444	224.076387
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	42.824683	646.666	16.354630	50.353436	448.407	223.883383
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	42.941726	666.637	16.471674	50.198604	468.384	223.728552
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	43.066774	686.601	16.596721	50.077282	488.371	223.607229
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	43.199143	706.556	16.729091	49.985529	508.366	223.515476
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	43.338229	726.503	16.868176	49.919997	528.367	223.449945
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	43.483489	746.440	17.013437	49.877824	548.372	223.407772
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	43.634439	766.367	17.164387	49.856546	568.379	223.386494
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	43.790644	786.284	17.320592	49.854034	588.387	223.383981
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	43.951712	806.190	17.481660	49.868435	608.394	223.398382
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	44.117289	826.085	17.647236	49.898134	628.400	223.428081
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	44.287054	845.969	17.817001	49.941713	648.403	223.471661

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 74.095 Dis= 8.810 K : 0.999604449
 Distancia: 208.224 Azimut: 26.470053
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	44.460716	865.840	17.990663	49.997925	668.402	223.527872
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	44.638011	885.698	18.167958	50.065665	688.397	223.595612
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	44.818697	905.544	18.348645	50.143955	708.386	223.673902
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	45.002555	925.377	18.532503	50.231923	728.370	223.761870
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	45.189383	945.195	18.719330	50.328792	748.346	223.858739
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	45.378995	965.000	18.908942	50.433863	768.315	223.963811
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	45.571222	984.790	19.101170	50.546512	788.275	224.076459
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	45.765908	1004.565	19.295855	50.666172	808.227	224.196120
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	45.962908	1024.326	19.492855	50.792335	828.169	224.322283
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	46.162089	1044.070	19.692036	50.924539	848.101	224.454486
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	46.363328	1063.799	19.893276	51.062364	868.022	224.592312
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	46.566512	1083.511	20.096459	51.205431	887.932	224.735378
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	46.771533	1103.206	20.301481	51.353390	907.831	224.883337
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	46.978295	1122.885	20.508243	51.505924	927.718	225.035872
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	47.186706	1142.546	20.716653	51.662743	947.592	225.192691
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	47.396680	1162.190	20.926628	51.823580	967.453	225.353528
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	47.608139	1181.815	21.138087	51.988191	987.301	225.518138

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 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 74.095 Dis= 8.810 K : 0.999604449
 Distancia: 208.224 Azimut: 26.470053
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	47.821009	1201.423	21.350956	52.156348	1007.134	225.686296
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	48.035219	1221.011	21.565166	52.327846	1026.954	225.857793
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	48.250706	1240.580	21.780653	52.502490	1046.759	226.032438
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	48.467408	1260.130	21.997355	52.680105	1066.548	226.210053
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	48.685269	1279.661	22.215217	52.860526	1086.322	226.390473
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	48.904236	1299.171	22.434183	53.043599	1106.080	226.573547
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	49.124258	1318.660	22.654205	53.229184	1125.822	226.759131
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	49.345288	1338.130	22.875236	53.417148	1145.546	226.947095
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	49.567282	1357.578	23.097229	53.607368	1165.254	227.137316
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	49.687718	1368.086	23.217665	53.711135	1175.905	227.241082
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	49.790192	1377.004	23.320140	53.799724	1184.945	227.329672
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	50.013825	1396.410	23.543772	53.993928	1204.618	227.523875
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	50.237832	1415.797	23.767779	54.189516	1224.275	227.719463
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	50.461877	1435.165	23.991824	54.386046	1243.916	227.915993
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	50.685642	1454.518	24.215590	54.583105	1263.544	228.113052
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	50.908827	1473.856	24.438775	54.780304	1283.160	228.310252
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	51.131147	1493.182	24.661094	54.977280	1302.764	228.507227

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 74.095 Dis= 8.810 K : 0.999604449
 Distancia: 208.224 Azimut: 26.470053
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	51.352331	1512.496	24.882278	55.173689	1322.357	228.703637
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	51.572124	1531.802	25.102071	55.369210	1341.943	228.899158
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	51.790282	1551.100	25.320229	55.563541	1361.520	229.093488
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	52.006574	1570.392	25.536521	55.756394	1381.092	229.286341
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	52.220779	1589.681	25.750727	55.947500	1400.660	229.477447
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	52.432689	1608.968	25.962637	56.136604	1420.224	229.666551
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	52.642104	1628.254	26.172051	56.323465	1439.787	229.853412
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	52.848832	1647.542	26.378780	56.507855	1459.349	230.037802
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	53.052692	1666.834	26.582639	56.689557	1478.913	230.219504
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	53.253509	1686.130	26.783456	56.868366	1498.479	230.398313
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	53.451117	1705.433	26.981064	57.044086	1518.049	230.574034
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	53.645355	1724.745	27.175303	57.216533	1537.624	230.746481
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	53.836073	1744.066	27.366020	57.385531	1557.206	230.915478
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	54.023122	1763.399	27.553069	57.550910	1576.795	231.080858
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	54.200196	1782.087	27.730143	57.707082	1595.727	231.237030
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	54.204585	1782.556	27.734532	57.710947	1596.202	231.240895

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489
 Distancia: 184.992 Azimut: 40.772178
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	234.980474	275.886	194.208296	237.304830	460.419	396.532652
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	233.609812	256.716	192.837634	236.608888	441.027	395.836710
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	232.086665	237.601	191.314487	235.887963	421.625	395.115785
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	230.371664	218.558	189.599487	235.138423	402.213	394.366245
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	228.411008	199.612	187.638830	234.355903	382.796	393.583725
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	226.129427	180.798	185.357249	233.535107	363.374	392.762929
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	223.418834	162.166	182.646656	232.669546	343.952	391.897368
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	220.119460	143.790	179.347283	231.751187	324.534	390.979010
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	215.987730	125.785	175.215553	230.769968	305.123	389.997790
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	210.640948	108.343	169.868771	229.713117	285.725	388.940939
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	203.464980	91.787	162.692803	228.564188	266.346	387.792010
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	193.485456	76.698	152.713278	227.301648	246.996	386.529471
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	179.328908	64.124	138.556730	225.896782	227.685	385.124604
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	178.823480	63.801	138.051302	225.851947	227.105	385.079770
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	159.888579	55.805	119.116402	224.307201	208.430	383.535024
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	136.631591	53.815	95.859414	222.458155	189.272	381.685977
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	114.625430	58.868	73.853253	220.238227	170.269	379.466049

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489
 Distancia: 184.992 Azimut: 40.772178
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	102.653160	65.521	61.880982	218.462004	157.644	377.689826
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	97.705652	69.499	56.933475	217.484313	151.506	376.712136
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	85.866380	83.636	45.094202	213.962413	133.104	373.190236
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	77.646563	99.803	36.874385	209.330434	115.239	368.558256
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	71.786816	117.161	31.014639	203.047703	98.205	362.275525
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	67.465741	135.254	26.693563	194.259726	82.515	353.487548
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	66.772638	138.753	26.000461	192.208742	79.752	351.436564
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	64.176025	153.822	23.403848	181.727577	69.096	340.955399
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	61.604036	172.715	20.831859	164.236811	59.510	323.464633
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	59.549619	191.842	18.777441	142.409830	55.786	301.637652
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	57.880080	211.141	17.107903	120.407130	59.055	279.634953
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	56.504673	230.573	15.732495	102.583394	68.332	261.811216
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	55.359551	250.109	14.587373	89.795480	81.602	249.023302
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	54.398646	269.729	13.626468	80.878673	97.251	240.106495
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	53.587963	289.418	12.815785	74.565637	114.312	233.793459
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	52.901910	309.164	12.129732	69.970949	132.245	229.198772
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	52.320880	328.959	11.548702	66.533515	150.744	225.761338

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489
 Distancia: 184.992 Azimut: 40.772178
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	51.829611	348.796	11.057433	63.900267	169.627	223.128089
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	51.416054	368.667	10.643876	61.844265	188.782	221.072087
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	51.361096	371.597	10.588918	61.580397	191.622	220.808219
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	51.070350	388.569	10.298172	60.214928	208.136	219.442750
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	50.783182	408.496	10.011004	58.907240	227.638	218.135062
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	50.546440	428.444	9.774262	57.846755	247.252	217.074577
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	50.353436	448.407	9.581258	56.979968	266.952	216.207790
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	50.198604	468.384	9.426427	56.267558	286.718	215.495381
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	50.077282	488.371	9.305104	55.680044	306.538	214.907866
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	49.985529	508.366	9.213351	55.194920	326.401	214.422742
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	49.919997	528.367	9.147820	54.794732	346.296	214.022554
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	49.877824	548.372	9.105646	54.465746	366.219	213.693569
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	49.856546	568.379	9.084369	54.197017	386.164	213.424839
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	49.854034	588.387	9.081856	53.979717	406.126	213.207539
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	49.868435	608.394	9.096257	53.806652	426.102	213.034474
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	49.898134	628.400	9.125956	53.671904	446.089	212.899727
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	49.941713	648.403	9.169535	53.570560	466.084	212.798382

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489
 Distancia: 184.992 Azimut: 40.772178
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	49.997925	668.402	9.225747	53.498507	486.084	212.726329
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	50.065665	688.397	9.293487	53.452279	506.089	212.680101
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	50.143955	708.386	9.371777	53.428934	526.096	212.656756
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	50.231923	728.370	9.459745	53.425959	546.104	212.653781
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	50.328792	748.346	9.556614	53.441193	566.111	212.669016
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	50.433863	768.315	9.661686	53.472773	586.117	212.700595
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	50.546512	788.275	9.774334	53.519076	606.120	212.746898
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	50.666172	808.227	9.893994	53.578691	626.120	212.806513
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	50.792335	828.169	10.020157	53.650378	646.115	212.878200
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	50.924539	848.101	10.152361	53.733048	666.104	212.960871
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	51.062364	868.022	10.290187	53.825738	686.088	213.053561
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	51.205431	887.932	10.433253	53.927594	706.065	213.155417
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	51.353390	907.831	10.581212	54.037857	726.034	213.265680
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	51.505924	927.718	10.733746	54.155849	745.995	213.383671
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	51.662743	947.592	10.890566	54.280961	765.948	213.508783
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	51.823580	967.453	11.051403	54.412649	785.891	213.640472
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	51.988191	987.301	11.216013	54.550423	805.825	213.778245

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489
 Distancia: 184.992 Azimut: 40.772178
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	52.156348	1007.134	11.384171	54.693837	825.748	213.921659
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	52.327846	1026.954	11.555668	54.842491	845.661	214.070314
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	52.502490	1046.759	11.730313	54.996021	865.562	214.223843
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	52.680105	1066.548	11.907928	55.154095	885.451	214.381917
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	52.860526	1086.322	12.088348	55.316411	905.329	214.544233
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	53.043599	1106.080	12.271421	55.482692	925.193	214.710515
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	53.229184	1125.822	12.457006	55.652688	945.045	214.880510
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	53.417148	1145.546	12.644970	55.826166	964.883	215.053988
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	53.607368	1165.254	12.835190	56.002913	984.707	215.230735
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	53.711135	1175.905	12.938957	56.099786	995.421	215.327608
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	53.799724	1184.945	13.027547	56.182726	1004.516	215.410548
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	53.993928	1204.618	13.221750	56.365209	1024.312	215.593031
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	54.189516	1224.275	13.417338	56.549771	1044.094	215.777593
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	54.386046	1243.916	13.613868	56.735851	1063.863	215.963674
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	54.583105	1263.544	13.810927	56.922933	1083.620	216.150756
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	54.780304	1283.160	14.008127	57.110537	1103.367	216.338359
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	54.977280	1302.764	14.205102	57.298216	1123.104	216.526039

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 275.568 Dis= -53.614 K : 0.999604489
 Distancia: 184.992 Azimut: 40.772178
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	55.173689	1322.357	14.401511	57.485557	1142.832	216.713380
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	55.369210	1341.943	14.597033	57.672174	1162.553	216.899996
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	55.563541	1361.520	14.791363	57.857706	1182.267	217.085528
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	55.756394	1381.092	14.984216	58.041818	1201.975	217.269640
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	55.947500	1400.660	15.175322	58.224195	1221.680	217.452017
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	56.136604	1420.224	15.364426	58.404542	1241.381	217.632365
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	56.323465	1439.787	15.551287	58.582585	1261.081	217.810407
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	56.507855	1459.349	15.735677	58.758063	1280.780	217.985885
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	56.689557	1478.913	15.917379	58.930733	1300.479	218.158555
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	56.868366	1498.479	16.096188	59.100366	1320.180	218.328188
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	57.044086	1518.049	16.271909	59.266746	1339.884	218.494569
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	57.216533	1537.624	16.444356	59.429670	1359.591	218.657492
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	57.385531	1557.206	16.613353	59.588945	1379.303	218.816767
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	57.550910	1576.795	16.778733	59.744389	1399.022	218.972212
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	57.707082	1595.727	16.934904	59.890751	1418.076	219.118573
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	57.710947	1596.202	16.938770	59.894367	1418.554	219.122190

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	237.304830	460.419	197.836114	237.974143	666.541	398.505427
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	236.608888	441.027	197.140172	237.519937	647.090	398.051221
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	235.887963	421.625	196.419247	237.063883	627.610	397.595167
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	235.138423	402.213	195.669707	236.605800	608.102	397.137084
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	234.355903	382.796	194.887187	236.145484	588.568	396.676768
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	233.535107	363.374	194.066391	235.682701	569.007	396.213985
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	232.669546	343.952	193.200830	235.217184	549.422	395.748468
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	231.751187	324.534	192.282471	234.748626	529.812	395.279910
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	230.769968	305.123	191.301252	234.276673	510.179	394.807957
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	229.713117	285.725	190.244401	233.800912	490.523	394.332196
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	228.564188	266.346	189.095472	233.320862	470.847	393.852146
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	227.301648	246.996	187.832932	232.835955	451.149	393.367240
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	225.896782	227.685	186.428066	232.345523	431.432	392.876807
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	225.851947	227.105	186.383232	232.330679	430.839	392.861963
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	224.307201	208.430	184.838485	231.847065	411.698	392.378349
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	222.458155	189.272	182.989439	231.329761	391.959	391.861046
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	220.238227	170.269	180.769511	230.778256	372.226	391.309540

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	218.462004	157.644	178.993288	230.379789	358.996	390.911073
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	217.484313	151.506	178.015598	230.173872	352.516	390.705156
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	213.962413	133.104	174.493697	229.498662	332.841	390.029946
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	209.330434	115.239	169.861718	228.738708	313.208	389.269992
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	203.047703	98.205	163.578987	227.877250	293.625	388.408534
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	194.259726	82.515	154.791010	226.892888	274.104	387.424172
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	192.208742	79.752	152.740026	226.689694	270.401	387.220978
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	181.727577	69.096	142.258861	225.757601	254.659	386.288885
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	164.236811	59.510	124.768095	224.432276	235.311	384.963560
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	142.409830	55.786	102.941114	222.863473	216.090	383.394757
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	120.407130	59.055	80.938414	220.978230	197.038	381.509514
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	102.583394	68.332	63.114678	218.674886	178.213	379.206170
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	89.795480	81.602	50.326764	215.808759	159.703	376.340043
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	80.878673	97.251	41.409957	212.169688	141.636	372.700972
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	74.565637	114.312	35.096921	207.447540	124.213	367.978824
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	69.970949	132.245	30.502233	201.183740	107.755	361.715024
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	66.533515	150.744	27.064799	192.723326	92.789	353.254610

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	63.900267	169.627	24.431551	181.249780	80.165	341.781064
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	61.844265	188.782	22.375549	166.156246	71.156	326.687530
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	61.580397	191.622	22.111681	163.637428	70.226	324.168713
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	60.214928	208.136	20.746212	148.036557	67.241	308.567841
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	58.907240	227.638	19.438524	129.408810	69.295	289.940094
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	57.846755	247.252	18.378039	113.198004	76.840	273.729288
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	56.979968	266.952	17.511252	100.613957	88.481	261.145241
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	56.267558	286.718	16.798842	91.304471	102.837	251.835755
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	55.680044	306.538	16.211328	84.455446	118.927	244.986731
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	55.194920	326.401	15.726204	79.348842	136.137	239.880127
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	54.794732	346.296	15.326016	75.467697	154.092	235.998981
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	54.465746	366.219	14.997030	72.460330	172.558	232.991615
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	54.197017	386.164	14.728301	70.089013	191.386	230.620297
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	53.979717	406.126	14.511001	68.190996	210.478	228.722280
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	53.806652	426.102	14.337936	66.652675	229.768	227.183959
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	53.671904	446.089	14.203188	65.393054	249.207	225.924338
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	53.570560	466.084	14.101844	64.353177	268.763	224.884461

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	53.498507	486.084	14.029791	63.489285	288.411	224.020569
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	53.452279	506.089	13.983563	62.768317	308.132	223.299601
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	53.428934	526.096	13.960218	62.164880	327.912	222.696164
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	53.425959	546.104	13.957243	61.659183	347.739	222.190467
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	53.441193	566.111	13.972478	61.235589	367.605	221.766873
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	53.472773	586.117	14.004057	60.881595	387.503	221.412879
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	53.519076	606.120	14.050360	60.587090	407.426	221.118374
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	53.578691	626.120	14.109975	60.343814	427.370	220.875098
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	53.650378	646.115	14.181662	60.144957	447.331	220.676241
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	53.733048	666.104	14.264332	59.984857	467.306	220.516141
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	53.825738	686.088	14.357022	59.858769	487.292	220.390053
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	53.927594	706.065	14.458879	59.762688	507.285	220.293972
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	54.037857	726.034	14.569141	59.693208	527.285	220.224493
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	54.155849	745.995	14.687133	59.647421	547.289	220.178705
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	54.280961	765.948	14.812245	59.622824	567.296	220.154108
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	54.412649	785.891	14.943934	59.617252	587.304	220.148536
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	54.550423	805.825	15.081707	59.628826	607.312	220.160110

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	54.693837	825.748	15.225121	59.655905	627.318	220.187189
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	54.842491	845.661	15.373775	59.697049	647.321	220.228333
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	54.996021	865.562	15.527305	59.750993	667.321	220.282277
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	55.154095	885.451	15.685379	59.816615	687.317	220.347899
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	55.316411	905.329	15.847695	59.892924	707.307	220.424208
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	55.482692	925.193	16.013977	59.979035	727.292	220.510319
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	55.652688	945.045	16.183972	60.074159	747.269	220.605443
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	55.826166	964.883	16.357450	60.177588	767.239	220.708872
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	56.002913	984.707	16.534197	60.288689	787.201	220.819973
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	56.099786	995.421	16.631070	60.351761	797.992	220.883045
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	56.182726	1004.516	16.714010	60.406878	807.154	220.938163
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	56.365209	1024.312	16.896493	60.531372	827.098	221.062656
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	56.549771	1044.094	17.081055	60.661177	847.033	221.192461
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	56.735851	1063.863	17.267135	60.795378	866.959	221.326662
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	56.922933	1083.620	17.454217	60.933143	886.877	221.464427
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	57.110537	1103.367	17.641821	61.073714	906.787	221.604998
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	57.298216	1123.104	17.829500	61.216399	926.689	221.747683

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 460.677 Dis= -55.760 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	57.485557	1142.832	18.016841	61.360563	946.584	221.891847
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	57.672174	1162.553	18.203458	61.505625	966.473	222.036910
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	57.857706	1182.267	18.388990	61.651053	986.356	222.182337
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	58.041818	1201.975	18.573102	61.796353	1006.234	222.327637
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	58.224195	1221.680	18.755479	61.941074	1026.108	222.472358
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	58.404542	1241.381	18.935826	62.084797	1045.979	222.616081
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	58.582585	1261.081	19.113869	62.227134	1065.847	222.758418
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	58.758063	1280.780	19.289347	62.367727	1085.713	222.899011
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	58.930733	1300.479	19.462017	62.506243	1105.579	223.037527
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	59.100366	1320.180	19.631650	62.642373	1125.444	223.173657
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	59.266746	1339.884	19.798031	62.775827	1145.310	223.307111
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	59.429670	1359.591	19.960954	62.906338	1165.177	223.437622
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	59.588945	1379.303	20.120229	63.033655	1185.047	223.564939
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	59.744389	1399.022	20.275674	63.157543	1204.919	223.688827
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	59.890751	1418.076	20.422035	63.273758	1224.119	223.805042
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	59.894367	1418.554	20.425652	63.276624	1224.600	223.807908

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	237.974143	666.541	187.703845	240.515349	838.240	390.245051
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	237.519937	647.090	187.249639	240.217017	818.613	389.946720
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	237.063883	627.610	186.793585	239.924886	798.952	389.654588
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	236.605800	608.102	186.335502	239.639435	779.260	389.369137
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	236.145484	588.568	185.875186	239.361196	759.536	389.090898
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	235.682701	569.007	185.412403	239.090756	739.784	388.820458
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	235.217184	549.422	184.946886	238.828771	720.003	388.558473
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	234.748626	529.812	184.478328	238.575970	700.194	388.305672
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	234.276673	510.179	184.006375	238.333168	680.361	388.062870
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	233.800912	490.523	183.530614	238.101279	660.502	387.830981
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	233.320862	470.847	183.050564	237.881333	640.621	387.611036
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	232.835955	451.149	182.565658	237.674493	620.719	387.404195
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	232.345523	431.432	182.075225	237.482074	600.796	387.211777
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	232.330679	430.839	182.060381	237.476526	600.197	387.206228
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	231.847065	411.698	181.576767	237.304360	580.856	387.034062
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	231.329761	391.959	181.059464	237.136150	560.906	386.865852
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	230.778256	372.226	180.507958	236.969900	540.949	386.699602

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	230.379789	358.996	180.109491	236.855144	527.557	386.584846
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	230.173872	352.516	179.903574	236.796959	520.994	386.526661
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	229.498662	332.841	179.228364	236.610711	501.042	386.340413
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	228.738708	313.208	178.468410	236.409016	481.094	386.138718
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	227.877250	293.625	177.606952	236.189875	461.152	385.919577
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	226.892888	274.104	176.622590	235.950928	441.216	385.680630
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	226.689694	270.401	176.419396	235.903039	437.427	385.632742
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	225.757601	254.659	175.487303	235.689190	421.287	385.418892
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	224.432276	235.311	174.161978	235.399751	401.366	385.129454
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	222.863473	216.090	172.593175	235.076066	381.458	384.805769
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	220.978230	197.038	170.707932	234.710161	361.564	384.439863
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	218.674886	178.213	168.404588	234.292224	341.689	384.021926
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	215.808759	159.703	165.538461	233.810057	321.840	383.539760
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	212.169688	141.636	161.899390	233.248309	302.022	382.978012
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	207.447540	124.213	157.177242	232.587407	282.245	382.317109
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	201.183740	107.755	150.913443	231.802024	262.521	381.531726
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	192.723326	92.789	142.453028	230.858860	242.866	380.588562

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 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	181.249780	80.165	130.979482	229.713324	223.302	379.443026
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	166.156246	71.156	115.885948	228.304496	203.859	378.034198
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	163.637428	70.226	113.367131	228.069983	201.008	377.799685
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	148.036557	67.241	97.766259	226.547718	184.580	376.277420
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	129.408810	69.295	79.138512	224.324919	165.526	374.054621
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	113.198004	76.840	62.927706	221.463736	146.784	371.193438
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	100.613957	88.481	50.343659	217.703519	128.494	367.433221
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	91.304471	102.837	41.034173	212.640589	110.880	362.370292
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	84.455446	118.927	34.185149	205.644028	94.324	355.373730
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	79.348842	136.137	29.078545	195.763031	79.490	345.492734
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	75.467697	154.092	25.197399	181.801086	67.524	331.530789
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	72.460330	172.558	22.190033	163.151593	60.164	312.881296
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	70.089013	191.386	19.818715	141.726796	59.155	291.456498
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	68.190996	210.478	17.920698	121.907286	64.795	271.636988
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	66.652675	229.768	16.382377	106.559680	75.609	256.289382
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	65.393054	249.207	15.122756	95.604529	89.747	245.334231
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	64.353177	268.763	14.082879	87.874864	105.884	237.604567

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	63.489285	288.411	13.218987	82.322102	123.236	232.051805
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	62.768317	308.132	12.498019	78.229330	141.356	227.959032
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	62.164880	327.912	11.894582	75.136177	159.983	224.865879
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	61.659183	347.739	11.388885	72.746877	178.956	222.476579
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	61.235589	367.605	10.965291	70.867343	198.176	220.597045
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	60.881595	387.503	10.611297	69.366735	217.576	219.096437
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	60.587090	407.426	10.316792	68.154404	237.111	217.884106
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	60.343814	427.370	10.073516	67.165923	256.748	216.895625
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	60.144957	447.331	9.874659	66.354421	276.466	216.084123
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	59.984857	467.306	9.714559	65.685077	296.246	215.414779
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	59.858769	487.292	9.588471	65.131533	316.076	214.861235
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	59.762688	507.285	9.492390	64.673502	335.946	214.403204
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	59.693208	527.285	9.422911	64.295127	355.848	214.024829
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	59.647421	547.289	9.377124	63.983850	375.776	213.713552
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	59.622824	567.296	9.352526	63.729602	395.725	213.459304
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	59.617252	587.304	9.346954	63.524217	415.690	213.253919
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	59.628826	607.312	9.358528	63.361010	435.668	213.090712

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	59.655905	627.318	9.385607	63.234454	455.656	212.964157
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	59.697049	647.321	9.426751	63.139944	475.652	212.869646
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	59.750993	667.321	9.480695	63.073609	495.653	212.803311
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	59.816615	687.317	9.546317	63.032177	515.658	212.761880
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	59.892924	707.307	9.622626	63.012862	535.666	212.742564
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	59.979035	727.292	9.708737	63.013276	555.674	212.742978
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	60.074159	747.269	9.803861	63.031361	575.681	212.761063
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	60.177588	767.239	9.907291	63.065336	595.686	212.795038
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	60.288689	787.201	10.018391	63.113651	615.689	212.843353
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	60.351761	797.992	10.081463	63.145267	626.504	212.874969
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	60.406878	807.154	10.136581	63.174937	635.688	212.904640
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	60.531372	827.098	10.261074	63.247666	655.682	212.977368
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	60.661177	847.033	10.390879	63.330133	675.671	213.059836
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	60.795378	866.959	10.525080	63.420815	695.655	213.150517
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	60.933143	886.877	10.662845	63.518357	715.634	213.248060
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	61.073714	906.787	10.803416	63.621554	735.607	213.351256
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	61.216399	926.689	10.946101	63.729326	755.575	213.459028

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 663.178 Dis= -67.138 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	61.360563	946.584	11.090265	63.840708	775.538	213.570410
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	61.505625	966.473	11.235328	63.954831	795.496	213.684533
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	61.651053	986.356	11.380755	64.070910	815.450	213.800613
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	61.796353	1006.234	11.526056	64.188239	835.400	213.917941
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	61.941074	1026.108	11.670776	64.306174	855.347	214.035876
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	62.084797	1045.979	11.814499	64.424132	875.290	214.153834
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	62.227134	1065.847	11.956836	64.541583	895.231	214.271285
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	62.367727	1085.713	12.097430	64.658042	915.171	214.387744
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	62.506243	1105.579	12.235946	64.773065	935.109	214.502767
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	62.642373	1125.444	12.372075	64.886246	955.046	214.615948
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	62.775827	1145.310	12.505529	64.997212	974.983	214.726914
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	62.906338	1165.177	12.636040	65.105620	994.921	214.835322
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	63.033655	1185.047	12.763357	65.211154	1014.859	214.940856
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	63.157543	1204.919	12.887245	65.313521	1034.799	215.043223
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	63.273758	1224.119	13.003460	65.409148	1054.063	215.138850
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	63.276624	1224.600	13.006326	65.411500	1054.545	215.141202

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	240.515349	838.240	207.958067	239.253218	995.484	6.695937
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	240.217017	818.613	207.659736	238.977634	975.936	6.420353
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	239.924886	798.952	207.367605	238.708141	956.351	6.150859
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	239.639435	779.260	207.082154	238.445131	936.729	5.887850
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	239.361196	759.536	206.803914	238.189035	917.072	5.631754
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	239.090756	739.784	206.533475	237.940319	897.380	5.383038
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	238.828771	720.003	206.271490	237.699494	877.656	5.142213
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	238.575970	700.194	206.018688	237.467117	857.901	4.909836
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	238.333168	680.361	205.775886	237.243801	838.115	4.686519
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	238.101279	660.502	205.543998	237.030216	818.301	4.472934
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	237.881333	640.621	205.324052	236.827101	798.460	4.269819
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	237.674493	620.719	205.117211	236.635272	778.594	4.077991
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	237.482074	600.796	204.924793	236.455631	758.704	3.898350
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	237.476526	600.197	204.919244	236.450427	758.106	3.893146
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	237.304360	580.856	204.747079	236.288221	738.794	3.730940
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	237.136150	560.906	204.578868	236.128787	718.869	3.571505
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	236.969900	540.949	204.412618	235.971369	698.938	3.414087

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	236.855144	527.557	204.297862	235.863566	685.563	3.306284
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	236.796959	520.994	204.239677	235.809341	679.007	3.252060
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	236.610711	501.042	204.053429	235.637871	659.081	3.080589
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	236.409016	481.094	203.851735	235.455710	639.159	2.898428
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	236.189875	461.152	203.632594	235.261830	619.243	2.704548
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	235.950928	441.216	203.393646	235.055066	599.333	2.497785
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	235.903039	437.427	203.345758	235.014196	595.549	2.456915
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	235.689190	421.287	203.131909	234.833967	579.430	2.276685
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	235.399751	401.366	202.842470	234.595912	559.536	2.038631
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	235.076066	381.458	202.518785	234.337470	539.653	1.780189
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	234.710161	361.564	202.152879	234.054686	519.784	1.497405
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	234.292224	341.689	201.734942	233.742987	499.932	1.185706
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	233.810057	321.840	201.252776	233.397059	480.102	0.839777
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	233.248309	302.022	200.691028	233.010690	460.299	0.453408
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	232.587407	282.245	200.030125	232.576583	440.528	0.019301
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	231.802024	262.521	199.244742	232.086109	420.797	399.528827
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	230.858860	242.866	198.301578	231.529003	401.115	398.971721

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	229.713324	223.302	197.156043	230.892970	381.492	398.335689
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	228.304496	203.859	195.747214	230.163181	361.943	397.605900
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	228.069983	201.008	195.512701	230.046721	359.071	397.489439
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	226.547718	184.580	193.990437	229.321864	342.484	396.764582
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	224.324919	165.526	191.767637	228.348899	323.133	395.791618
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	221.463736	146.784	188.906455	227.220105	303.912	394.662823
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	217.703519	128.494	185.146238	225.905341	284.849	393.348059
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	212.640589	110.880	180.083308	224.366701	265.979	391.809419
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	205.644028	94.324	173.086746	222.556094	247.349	389.998812
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	195.763031	79.490	163.205750	220.412012	229.017	387.854731
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	181.801086	67.524	149.243805	217.855284	211.062	385.298003
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	163.151593	60.164	130.594312	214.783678	193.592	382.226397
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	141.726796	59.155	109.169515	211.065591	176.750	378.508309
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	121.907286	64.795	89.350005	206.534071	160.737	373.976790
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	106.559680	75.609	74.002399	200.985005	145.826	368.427723
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	95.604529	89.747	63.047248	194.188674	132.391	361.631393
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	87.874864	105.884	55.317583	185.932575	120.927	353.375294

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	82.322102	123.236	49.764821	176.118587	112.040	343.561306
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	78.229330	141.356	45.672048	164.913629	106.380	332.356347
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	75.136177	159.983	42.578896	152.868390	104.472	320.311108
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	72.746877	178.956	40.189595	140.839357	106.518	308.282076
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	70.867343	198.176	38.310062	129.676572	112.303	297.119291
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	69.366735	217.576	36.809453	119.916885	121.292	287.359603
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	68.154404	237.111	35.597123	111.715172	132.836	279.157891
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	67.165923	256.748	34.608642	104.966902	146.331	272.409620
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	66.354421	276.466	33.797139	99.457678	161.287	266.900397
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	65.685077	296.246	33.127795	94.958211	177.334	262.400930
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	65.131533	316.076	32.574252	91.265623	194.200	258.708341
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	64.673502	335.946	32.116220	88.214287	211.690	255.657005
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	64.295127	355.848	31.737845	85.673749	229.659	253.116467
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	63.983850	375.776	31.426568	83.542698	248.003	250.985417
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	63.729602	395.725	31.172320	81.742673	266.643	249.185391
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	63.524217	415.690	30.966936	80.212706	285.520	247.655424
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	63.361010	435.668	30.803729	78.905116	304.589	246.347835

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	63.234454	455.656	30.677173	77.782310	323.815	245.225028
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	63.139944	475.652	30.582662	76.814385	343.170	244.257103
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	63.073609	495.653	30.516327	75.977344	362.633	243.420062
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	63.032177	515.658	30.474896	75.251758	382.186	242.694476
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	63.012862	535.666	30.455581	74.621761	401.815	242.064480
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	63.013276	555.674	30.455994	74.074294	421.507	241.517013
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	63.031361	575.681	30.474079	73.598523	441.253	241.041242
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	63.065336	595.686	30.508054	73.185395	461.046	240.628114
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	63.113651	615.689	30.556369	72.827294	480.878	240.270012
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	63.145267	626.504	30.587986	72.654249	491.617	240.096967
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	63.174937	635.688	30.617656	72.517755	500.743	239.960473
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	63.247666	655.682	30.690384	72.250860	520.636	239.693578
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	63.330133	675.671	30.772852	72.021097	540.552	239.463816
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	63.420815	695.655	30.863534	71.823699	560.487	239.266417
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	63.518357	715.634	30.961076	71.654538	580.437	239.097257
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	63.621554	735.607	31.064272	71.510029	600.400	238.952747
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	63.729326	755.575	31.172045	71.387038	620.373	238.829756

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 832.938 Dis= -58.698 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	63.840708	775.538	31.283427	71.282819	640.355	238.725538
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	63.954831	795.496	31.397549	71.194956	660.342	238.637674
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	64.070910	815.450	31.513629	71.121312	680.335	238.564031
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	64.188239	835.400	31.630957	71.059995	700.332	238.502714
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	64.306174	855.347	31.748892	71.009319	720.332	238.452038
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	64.424132	875.290	31.866851	70.967782	740.334	238.410500
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	64.541583	895.231	31.984302	70.934037	760.338	238.376756
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	64.658042	915.171	32.100760	70.906877	780.343	238.349595
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	64.773065	935.109	32.215783	70.885213	800.349	238.327932
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	64.886246	955.046	32.328964	70.868065	820.356	238.310783
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	64.997212	974.983	32.439931	70.854543	840.363	238.297262
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	65.105620	994.921	32.548339	70.843843	860.371	238.286562
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	65.211154	1014.859	32.653872	70.835232	880.378	238.277950
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	65.313521	1034.799	32.756240	70.828041	900.386	238.270760
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	65.409148	1054.063	32.851866	70.821872	919.713	238.264591
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	65.411500	1054.545	32.854218	70.821723	920.198	238.264441

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	239.253218	995.484	102.056397	257.930982	1050.172	320.734161
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	238.977634	975.936	101.780814	258.030569	1030.231	320.833749
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	238.708141	956.351	101.511320	258.150829	1010.316	320.954008
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	238.445131	936.729	101.248311	258.292975	990.433	321.096154
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	238.189035	917.072	100.992215	258.458312	970.588	321.261491
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	237.940319	897.380	100.743499	258.648241	950.787	321.451420
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	237.699494	877.656	100.502674	258.864270	931.035	321.667449
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	237.467117	857.901	100.270297	259.108021	911.341	321.911200
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	237.243801	838.115	100.046980	259.381239	891.711	322.184418
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	237.030216	818.301	99.833395	259.685804	872.153	322.488983
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	236.827101	798.460	99.630280	260.023743	852.676	322.826923
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	236.635272	778.594	99.438452	260.397240	833.289	323.200419
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	236.455631	758.704	99.258810	260.808648	814.002	323.611827
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	236.450427	758.106	99.253606	260.821635	813.423	323.624814
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	236.288221	738.794	99.091400	261.259651	794.823	324.062831
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	236.128787	718.869	98.931966	261.748256	775.744	324.551435
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	235.971369	698.938	98.774548	262.271243	756.752	325.074422

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	235.863566	685.563	98.666745	262.639748	744.047	325.442928
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	235.809341	679.007	98.612521	262.825160	737.830	325.628340
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	235.637871	659.081	98.441050	263.408498	718.968	326.211677
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	235.455710	639.159	98.258889	264.023212	700.169	326.826391
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	235.261830	619.243	98.065009	264.671781	681.440	327.474960
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	235.055066	599.333	97.858246	265.356934	662.785	328.160113
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	235.014196	595.549	97.817376	265.491565	659.248	328.294745
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	234.833967	579.430	97.637146	266.081575	644.211	328.884754
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	234.595912	559.536	97.399092	266.848117	625.721	329.651297
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	234.337470	539.653	97.140650	267.658886	607.318	330.462065
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	234.054686	519.784	96.857865	268.516469	589.004	331.319648
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	233.742987	499.932	96.546167	269.423754	570.782	332.226934
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	233.397059	480.102	96.200238	270.383977	552.656	333.187157
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	233.010690	460.299	95.813869	271.400768	534.630	334.203948
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	232.576583	440.528	95.379762	272.478213	516.708	335.281392
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	232.086109	420.797	94.889288	273.620921	498.896	336.424101
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	231.529003	401.115	94.332182	274.834110	481.200	337.637290

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	230.892970	381.492	93.696150	276.123700	463.628	338.926879
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	230.163181	361.943	92.966361	277.496424	446.189	340.299603
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	230.046721	359.071	92.849900	277.706098	443.632	340.509277
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	229.321864	342.484	92.125043	278.960142	428.893	341.763321
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	228.348899	323.133	91.152078	280.524978	411.758	343.328158
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	227.220105	303.912	90.023284	282.202955	394.805	345.006134
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	225.905341	284.849	88.708520	284.007815	378.061	346.810995
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	224.366701	265.979	87.169880	285.955265	361.557	348.758444
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	222.556094	247.349	85.359273	288.063229	345.326	350.866409
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	220.412012	229.017	83.215192	290.352109	329.411	353.155288
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	217.855284	211.062	80.658463	292.845002	313.861	355.648182
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	214.783678	193.592	77.586857	295.567850	298.734	358.371029
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	211.065591	176.750	73.868770	298.549416	284.099	361.352595
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	206.534071	160.737	69.337250	301.820989	270.036	364.624168
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	200.985005	145.826	63.788184	305.415618	256.641	368.218797
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	194.188674	132.391	56.991853	309.366641	244.025	372.169820
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	185.932575	120.927	48.735755	313.705220	232.315	376.508400

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	176.118587	112.040	38.921767	318.456586	221.657	381.259765
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	164.913629	106.380	27.716808	323.634847	212.208	386.438026
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	152.868390	104.472	15.671569	329.236596	204.138	392.039775
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	140.839357	106.518	3.642537	335.234196	197.617	398.037375
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	129.676572	112.303	392.479752	341.570494	192.801	4.373673
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	119.916885	121.292	382.720064	348.157340	189.822	10.960519
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	111.715172	132.836	374.518352	354.880016	188.766	17.683195
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	104.966902	146.331	367.770081	361.608047	189.665	24.411226
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	99.457678	161.287	362.260858	368.210317	192.493	31.013496
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	94.958211	177.334	357.761391	374.570366	197.165	37.373545
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	91.265623	194.200	354.068802	380.597662	203.556	43.400842
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	88.214287	211.690	351.017466	386.232554	211.507	49.035733
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	85.673749	229.659	348.476928	391.445196	220.852	54.248375
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	83.542698	248.003	346.345878	396.230478	231.420	59.033657
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	81.742673	266.643	344.545852	0.601354	243.051	63.404533
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	80.212706	285.520	343.015885	4.582370	255.599	67.385550
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	78.905116	304.589	341.708296	8.204371	268.936	71.007550

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	77.782310	323.815	340.585489	11.500627	282.948	74.303806
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	76.814385	343.170	339.617564	14.504275	297.541	77.307454
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	75.977344	362.633	338.780523	17.246780	312.631	80.049960
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	75.251758	382.186	338.054937	19.757127	328.149	82.560306
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	74.621761	401.815	337.424941	22.061484	344.037	84.864664
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	74.074294	421.507	336.877474	24.183176	360.244	86.986355
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	73.598523	441.253	336.401703	26.142810	376.728	88.945989
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	73.185395	461.046	335.988575	27.958502	393.454	90.761682
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	72.827294	480.878	335.630473	29.646127	410.390	92.449306
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	72.654249	491.617	335.457428	30.510377	419.628	93.313556
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	72.517755	500.743	335.320934	31.219559	427.512	94.022739
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	72.250860	520.636	335.054039	32.690518	444.798	95.493697
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	72.021097	540.552	334.824276	34.068802	462.232	96.871982
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	71.823699	560.487	334.626878	35.362974	479.801	98.166153
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	71.654538	580.437	334.457718	36.580546	497.493	99.383726
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	71.510029	600.400	334.313208	37.728131	515.298	100.531310
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	71.387038	620.373	334.190217	38.811556	533.207	101.614735

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 979.646 Dis=-104.430 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	71.282819	640.355	334.085999	39.835976	551.213	102.639155
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	71.194956	660.342	333.998135	40.805956	569.309	103.609136
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	71.121312	680.335	333.924492	41.725556	587.489	104.528735
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	71.059995	700.332	333.863174	42.598388	605.749	105.401568
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	71.009319	720.332	333.812499	43.427681	624.084	106.230860
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	70.967782	740.334	333.770961	44.216322	642.490	107.019502
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	70.934037	760.338	333.737216	44.966905	660.964	107.770084
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	70.906877	780.343	333.710056	45.681759	679.503	108.484938
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	70.885213	800.349	333.688393	46.362985	698.104	109.166165
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	70.868065	820.356	333.671244	47.012483	716.765	109.815662
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	70.854543	840.363	333.657723	47.631969	735.484	110.435149
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	70.843843	860.371	333.647023	48.223004	754.259	111.026183
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	70.835232	880.378	333.638411	48.787004	773.088	111.590183
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	70.828041	900.386	333.631221	49.325259	791.971	112.128438
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	70.821872	919.713	333.625052	49.821877	810.261	112.625056
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	70.821723	920.198	333.624902	49.834030	810.719	112.637209

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	257.930982	1050.172	278.325309	243.550878	1173.043	63.945205
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	258.030569	1030.231	278.424897	243.391021	1153.249	63.785348
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	258.150829	1010.316	278.545156	243.240411	1133.425	63.634739
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	258.292975	990.433	278.687302	243.099558	1113.573	63.493885
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	258.458312	970.588	278.852639	242.969005	1093.693	63.363333
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	258.648241	950.787	279.042569	242.849341	1073.790	63.243668
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	258.864270	931.035	279.258598	242.741193	1053.864	63.135521
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	259.108021	911.341	279.502348	242.645243	1033.918	63.039570
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	259.381239	891.711	279.775566	242.562221	1013.955	62.956548
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	259.685804	872.153	280.080132	242.492917	993.977	62.887244
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	260.023743	852.676	280.418071	242.438185	973.987	62.832512
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	260.397240	833.289	280.791567	242.398949	953.988	62.793277
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	260.808648	814.002	281.202976	242.376211	933.983	62.770539
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	260.821635	813.423	281.215962	242.375794	933.381	62.770122
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	261.259651	794.823	281.653979	242.370283	913.975	62.764610
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	261.748256	775.744	282.142583	242.378025	893.968	62.772353
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	262.271243	756.752	282.665570	242.395041	873.961	62.789368

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	262.639748	744.047	283.034076	242.409275	860.536	62.803603
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	262.825160	737.830	283.219488	242.416551	853.956	62.810878
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	263.408498	718.968	283.802825	242.439375	833.950	62.833702
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	264.023212	700.169	284.417540	242.463321	813.944	62.857648
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	264.671781	681.440	285.066109	242.488474	793.939	62.882801
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	265.356934	662.785	285.751262	242.514927	773.934	62.909254
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	265.491565	659.248	285.885893	242.520111	770.131	62.914438
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	266.081575	644.211	286.475902	242.542683	753.929	62.937011
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	266.848117	625.721	287.242445	242.571012	733.923	62.965339
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	267.658886	607.318	288.053214	242.598767	713.918	62.993095
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	268.516469	589.004	288.910796	242.624673	693.912	63.019001
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	269.423754	570.782	289.818082	242.647300	673.906	63.041627
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	270.383977	552.656	290.778305	242.665042	653.899	63.059370
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	271.400768	534.630	291.795096	242.676094	633.891	63.070422
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	272.478213	516.708	292.872540	242.678413	613.883	63.072741
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	273.620921	498.896	294.015249	242.669682	593.876	63.064009
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	274.834110	481.200	295.228438	242.647259	573.869	63.041586

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	276.123700	463.628	296.518027	242.608123	553.864	63.002451
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	277.496424	446.189	297.890751	242.548803	533.862	62.943131
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	277.706098	443.632	298.100425	242.538125	530.917	62.932453
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	278.960142	428.893	299.354470	242.465461	513.866	62.859788
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	280.524978	411.758	300.919306	242.354754	493.878	62.749082
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	282.202955	394.805	302.597282	242.213235	473.899	62.607562
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	284.007815	378.061	304.402143	242.036852	453.932	62.431180
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	285.955265	361.557	306.349592	241.820823	433.981	62.215150
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	288.063229	345.326	308.457557	241.559455	414.049	61.953782
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	290.352109	329.411	310.746436	241.245925	394.140	61.640253
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	292.845002	313.861	313.239330	240.871988	374.260	61.266316
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	295.567850	298.734	315.962177	240.427592	354.414	60.821919
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	298.549416	284.099	318.943743	239.900359	334.611	60.294686
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	301.820989	270.036	322.215317	239.274893	314.859	59.669220
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	305.415618	256.641	325.809945	238.531815	295.170	58.926143
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	309.366641	244.025	329.760968	237.646430	275.559	58.040758
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	313.705220	232.315	334.099548	236.586824	256.046	56.981152

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	318.456586	221.657	338.850913	235.311130	236.656	55.705458
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	323.634847	212.208	344.029174	233.763517	217.423	54.157844
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	329.236596	204.138	349.630924	231.868204	198.394	52.262532
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	335.234196	197.617	355.628523	229.520422	179.636	49.914750
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	341.570494	192.801	361.964821	226.572623	161.246	46.966950
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	348.157340	189.822	368.551667	222.813616	143.364	43.207944
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	354.880016	188.766	375.274343	217.938299	126.211	38.332626
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	361.608047	189.665	382.002374	211.509629	110.126	31.903956
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	368.210317	192.493	388.604644	202.933873	95.654	23.328200
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	374.570366	197.165	394.964693	191.533394	83.635	11.927721
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	380.597662	203.556	0.991990	176.921834	75.257	397.316162
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	386.232554	211.507	6.626882	159.802832	71.804	380.197160
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	391.445196	220.852	11.839523	142.373888	73.971	362.768216
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	396.230478	231.420	16.624806	127.057361	81.309	347.451689
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	0.601354	243.051	20.995681	114.918451	92.596	335.312779
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	4.582370	255.599	24.976698	105.743806	106.585	326.138134
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	8.204371	268.936	28.598698	98.873524	122.352	319.267852

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	11.500627	282.948	31.894954	93.680985	139.293	314.075313
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	14.504275	297.541	34.898602	89.693367	157.028	310.087695
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	17.246780	312.631	37.641108	86.578328	175.315	306.972656
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	19.757127	328.149	40.151454	84.105876	193.997	304.500204
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	22.061484	344.037	42.455812	82.115815	212.969	302.510142
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	24.183176	360.244	44.577503	80.494857	232.159	300.889184
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	26.142810	376.728	46.537138	79.161418	251.516	299.555745
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	27.958502	393.454	48.352830	78.055645	271.003	298.449973
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	29.646127	410.390	50.040454	77.132836	290.593	297.527163
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	30.510377	419.628	50.904705	76.697704	301.223	297.092031
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	31.219559	427.512	51.613887	76.359016	310.266	296.753343
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	32.690518	444.798	53.084846	75.707338	330.004	296.101665
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	34.068802	462.232	54.463130	75.156124	349.794	295.550452
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	35.362974	479.801	55.757301	74.688167	369.626	295.082495
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	36.580546	497.493	56.974874	74.289673	389.493	294.684000
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	37.728131	515.298	58.122458	73.949467	409.387	294.343794
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	38.811556	533.207	59.205883	73.658406	429.302	294.052733

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 1060.802 Dis= 188.690 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	39.835976	551.213	60.230303	73.408943	449.236	293.803271
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	40.805956	569.309	61.200284	73.194795	469.184	293.589123
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	41.725556	587.489	62.119883	73.010693	489.144	293.405020
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	42.598388	605.749	62.992716	72.852184	509.114	293.246511
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	43.427681	624.084	63.822008	72.715482	529.090	293.109810
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	44.216322	642.490	64.610650	72.597350	549.073	292.991677
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	44.966905	660.964	65.361232	72.495000	569.061	292.889328
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	45.681759	679.503	66.076086	72.406023	589.053	292.800351
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	46.362985	698.104	66.757313	72.328323	609.047	292.722651
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	47.012483	716.765	67.406810	72.260071	629.044	292.654399
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	47.631969	735.484	68.026297	72.199663	649.043	292.593990
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	48.223004	754.259	68.617332	72.145683	669.043	292.540011
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	48.787004	773.088	69.181331	72.096884	689.044	292.491212
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	49.325259	791.971	69.719587	72.052157	709.046	292.446484
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	49.821877	810.261	70.216204	72.011888	728.368	292.406216
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	49.834030	810.719	70.228358	72.010909	728.852	292.405237

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	243.550878	1173.043	177.305260	246.766957	1359.063	380.521339
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	243.391021	1153.249	177.145403	246.676991	1339.146	380.431373
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	243.240411	1133.425	176.994794	246.597130	1319.208	380.351512
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	243.099558	1113.573	176.853940	246.527848	1299.251	380.282230
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	242.969005	1093.693	176.723388	246.469651	1279.278	380.224033
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	242.849341	1073.790	176.603723	246.423075	1259.292	380.177457
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	242.741193	1053.864	176.495576	246.388689	1239.296	380.143071
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	242.645243	1033.918	176.399625	246.367098	1219.292	380.121480
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	242.562221	1013.955	176.316603	246.358946	1199.285	380.113329
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	242.492917	993.977	176.247299	246.364919	1179.278	380.119302
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	242.438185	973.987	176.192567	246.385747	1159.274	380.140129
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	242.398949	953.988	176.153331	246.422208	1139.277	380.176590
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	242.376211	933.983	176.130594	246.475132	1119.291	380.229514
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	242.375794	933.381	176.130176	246.476988	1118.690	380.231370
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	242.370283	913.975	176.124665	246.544762	1099.320	380.299144
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	242.378025	893.968	176.132407	246.628485	1079.363	380.382867
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	242.395041	873.961	176.149423	246.722699	1059.418	380.477081

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	242.409275	860.536	176.163657	246.789882	1046.038	380.544264
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	242.416551	853.956	176.170933	246.823555	1039.480	380.577937
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	242.439375	833.950	176.193757	246.928586	1019.544	380.682968
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	242.463321	813.944	176.217703	247.037805	999.611	380.792187
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	242.488474	793.939	176.242856	247.151469	979.681	380.905851
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	242.514927	773.934	176.269309	247.269852	959.755	381.024235
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	242.520111	770.131	176.274493	247.292916	955.967	381.047298
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	242.542683	753.929	176.297065	247.393176	939.832	381.147558
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	242.571012	733.923	176.325394	247.521092	919.911	381.275475
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	242.598767	713.918	176.353150	247.652965	899.992	381.407347
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	242.624673	693.912	176.379055	247.788099	880.074	381.542481
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	242.647300	673.906	176.401682	247.925733	860.154	381.680115
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	242.665042	653.899	176.419424	248.065036	840.233	381.819418
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	242.676094	633.891	176.430477	248.205096	820.309	381.959478
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	242.678413	613.883	176.432796	248.344908	800.380	382.099290
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	242.669682	593.876	176.424064	248.483366	780.446	382.237748
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	242.647259	573.869	176.401641	248.619246	760.506	382.373628

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	242.608123	553.864	176.362505	248.751192	740.559	382.505574
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	242.548803	533.862	176.303186	248.877697	720.604	382.632079
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	242.538125	530.917	176.292508	248.895772	717.664	382.650154
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	242.465461	513.866	176.219843	248.997205	700.640	382.751587
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	242.354754	493.878	176.109137	249.108785	680.669	382.863167
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	242.213235	473.899	175.967617	249.211714	660.691	382.966096
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	242.036852	453.932	175.791234	249.305180	640.706	383.059562
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	241.820823	433.981	175.575205	249.388265	620.715	383.142647
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	241.559455	414.049	175.313837	249.459930	600.719	383.214312
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	241.245925	394.140	175.000307	249.518993	580.718	383.273375
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	240.871988	374.260	174.626371	249.564101	560.715	383.318483
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	240.427592	354.414	174.181974	249.593704	540.708	383.348086
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	239.900359	334.611	173.654741	249.606013	520.701	383.360395
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	239.274893	314.859	173.029275	249.598954	500.693	383.353337
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	238.531815	295.170	172.286198	249.570110	480.686	383.324492
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	237.646430	275.559	171.400813	249.516644	460.682	383.271026
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	236.586824	256.046	170.341206	249.435209	440.683	383.189591

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	235.311130	236.656	169.065512	249.321823	420.690	383.076205
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	233.763517	217.423	167.517899	249.171719	400.705	382.926101
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	231.868204	198.394	165.622587	248.979136	380.732	382.733518
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	229.520422	179.636	163.274804	248.737052	360.774	382.491434
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	226.572623	161.246	160.327005	248.436820	340.835	382.191202
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	222.813616	143.364	156.567998	248.067675	320.919	381.822058
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	217.938299	126.211	151.692681	247.616051	301.033	381.370433
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	211.509629	110.126	145.264011	247.064618	281.185	380.819000
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	202.933873	95.654	136.688255	246.390902	261.384	380.145284
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	191.533394	83.635	125.287776	245.565257	241.643	379.319639
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	176.921834	75.257	110.676217	244.547829	221.981	378.302211
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	159.802832	71.804	93.557214	243.283870	202.420	377.038252
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	142.373888	73.971	76.128270	241.696318	182.997	375.450700
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	127.057361	81.309	60.811743	239.673686	163.759	373.428068
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	114.918451	92.596	48.672833	237.049664	144.785	370.804046
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	105.743806	106.585	39.498189	233.567801	126.192	367.322183
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	98.873524	122.352	32.627906	228.819403	108.181	362.573785

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 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	93.680985	139.293	27.435367	222.137069	91.098	355.891451
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	89.693367	157.028	23.447749	212.441206	75.577	346.195589
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	86.578328	175.315	20.332710	198.192074	62.787	331.946456
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	84.105876	193.997	17.860258	178.235782	54.681	311.990164
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	82.115815	212.969	15.870197	154.582029	53.437	288.336411
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	80.494857	232.159	14.249239	132.943234	59.486	266.697616
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	79.161418	251.516	12.915800	116.861384	70.987	250.615766
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	78.055645	271.003	11.810027	105.851664	85.774	239.606046
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	77.132836	290.593	10.887218	98.321303	102.433	232.075685
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	76.697704	301.223	10.452086	95.239518	111.931	228.993900
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	76.359016	310.266	10.113398	93.026781	120.187	226.781163
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	75.707338	330.004	9.461720	89.181553	138.614	222.935935
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	75.156124	349.794	8.910507	86.303895	157.475	220.058277
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	74.688167	369.626	8.442549	84.094439	176.627	217.848821
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	74.289673	389.493	8.044055	82.361239	195.984	216.115621
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	73.949467	409.387	7.703849	80.977031	215.486	214.731413
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	73.658406	429.302	7.412788	79.854725	235.097	213.609107

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 1162.330 Dis= -71.737 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	73.408943	449.236	7.163325	78.932999	254.788	212.687382
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	73.194795	469.184	6.949177	78.167565	274.542	211.921947
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	73.010693	489.144	6.765075	77.525709	294.343	211.280091
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	72.852184	509.114	6.606566	76.982785	314.182	210.737167
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	72.715482	529.090	6.469864	76.519892	334.051	210.274274
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	72.597350	549.073	6.351732	76.122307	353.943	209.876689
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	72.495000	569.061	6.249382	75.778399	373.855	209.532781
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	72.406023	589.053	6.160405	75.478861	393.781	209.233243
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	72.328323	609.047	6.082706	75.216165	413.719	208.970547
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	72.260071	629.044	6.014454	74.984152	433.668	208.738534
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	72.199663	649.043	5.954045	74.777740	453.624	208.532123
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	72.145683	669.043	5.900065	74.592701	473.586	208.347083
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	72.096884	689.044	5.851266	74.425484	493.554	208.179866
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	72.052157	709.046	5.806539	74.273090	513.525	208.027472
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	72.011888	728.368	5.766270	74.137552	532.821	207.891935
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	72.010909	728.852	5.765291	74.134287	533.304	207.888669

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	246.766957	1359.063	179.103841	248.593222	1484.723	380.930106
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	246.676991	1339.146	179.013875	248.535836	1464.760	380.872720
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	246.597130	1319.208	178.934014	248.488596	1444.781	380.825480
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	246.527848	1299.251	178.864732	248.451938	1424.791	380.788822
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	246.469651	1279.278	178.806535	248.426317	1404.791	380.763202
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	246.423075	1259.292	178.759959	248.412218	1384.786	380.749102
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	246.388689	1239.296	178.725573	248.410149	1364.778	380.747033
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	246.367098	1219.292	178.703982	248.420647	1344.771	380.757531
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	246.358946	1199.285	178.695831	248.444279	1324.770	380.781163
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	246.364919	1179.278	178.701803	248.481645	1304.777	380.818530
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	246.385747	1159.274	178.722631	248.533379	1284.797	380.870263
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	246.422208	1139.277	178.759092	248.600150	1264.834	380.937034
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	246.475132	1119.291	178.812016	248.682665	1244.892	381.019549
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	246.476988	1118.690	178.813872	248.685398	1244.293	381.022282
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	246.544762	1099.320	178.881646	248.781099	1224.976	381.117983
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	246.628485	1079.363	178.965369	248.893070	1205.082	381.229954
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	246.722699	1059.418	179.059583	249.015335	1185.207	381.352219

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	246.789882	1046.038	179.126766	249.101437	1171.875	381.438322
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	246.823555	1039.480	179.160439	249.144461	1165.341	381.481345
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	246.928586	1019.544	179.265470	249.278268	1145.481	381.615152
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	247.037805	999.611	179.374689	249.416796	1125.626	381.753681
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	247.151469	979.681	179.488353	249.560299	1105.777	381.897183
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	247.269852	959.755	179.606736	249.709047	1085.934	382.045931
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	247.292916	955.967	179.629800	249.737941	1082.162	382.074825
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	247.393176	939.832	179.730060	249.863261	1066.096	382.200145
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	247.521092	919.911	179.857977	250.022667	1046.264	382.359551
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	247.652965	899.992	179.989849	250.186743	1026.435	382.523627
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	247.788099	880.074	180.124983	250.354926	1006.608	382.691810
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	247.925733	860.154	180.262617	250.526607	986.782	382.863491
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	248.065036	840.233	180.401920	250.701127	966.954	383.038011
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	248.205096	820.309	180.541980	250.877774	947.123	383.214658
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	248.344908	800.380	180.681792	251.055773	927.287	383.392657
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	248.483366	780.446	180.820250	251.234283	907.446	383.571167
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	248.619246	760.506	180.956130	251.412385	887.596	383.749269

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	248.751192	740.559	181.088076	251.589078	867.737	383.925962
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	248.877697	720.604	181.214581	251.763262	847.867	384.100146
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	248.895772	717.664	181.232656	251.788635	844.939	384.125519
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	248.997205	700.640	181.334089	251.933839	827.986	384.270723
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	249.108785	680.669	181.445669	252.100279	808.092	384.437163
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	249.211714	660.691	181.548598	252.262265	788.188	384.599149
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	249.305180	640.706	181.642064	252.419448	768.272	384.756332
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	249.388265	620.715	181.725149	252.571443	748.347	384.908327
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	249.459930	600.719	181.796814	252.717819	728.411	385.054703
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	249.518993	580.718	181.855877	252.858101	708.466	385.194985
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	249.564101	560.715	181.900985	252.991756	688.512	385.328640
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	249.593704	540.708	181.930588	253.118186	668.549	385.455070
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	249.606013	520.701	181.942897	253.236723	648.579	385.573607
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	249.598954	500.693	181.935839	253.346609	628.602	385.683493
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	249.570110	480.686	181.906994	253.446990	608.617	385.783874
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	249.516644	460.682	181.853528	253.536895	588.628	385.873779
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	249.435209	440.683	181.772093	253.615215	568.632	385.952099

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 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	249.321823	420.690	181.658707	253.680681	548.633	386.017565
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	249.171719	400.705	181.508603	253.731832	528.630	386.068716
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	248.979136	380.732	181.316020	253.766975	508.624	386.103859
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	248.737052	360.774	181.073936	253.784142	488.616	386.121026
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	248.436820	340.835	180.773704	253.781030	468.608	386.117914
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	248.067675	320.919	180.404560	253.754927	448.602	386.091811
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	247.616051	301.033	179.952935	253.702613	428.597	386.039497
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	247.064618	281.185	179.401502	253.620246	408.596	385.957130
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	246.390902	261.384	178.727786	253.503192	388.602	385.840076
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	245.565257	241.643	177.902141	253.345822	368.616	385.682706
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	244.547829	221.981	176.884713	253.141227	348.641	385.478112
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	243.283870	202.420	175.620754	252.880834	328.681	385.217718
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	241.696318	182.997	174.033202	252.553876	308.741	384.890760
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	239.673686	163.759	172.010570	252.146655	288.824	384.483539
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	237.049664	144.785	169.386548	251.641475	268.939	383.978359
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	233.567801	126.192	165.904685	251.015097	249.094	383.351981
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	228.819403	108.181	161.156287	250.236406	229.301	382.573290

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	222.137069	91.098	154.473953	249.262844	209.576	381.599728
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	212.441206	75.577	144.778091	248.034734	189.941	380.371618
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	198.192074	62.787	130.528958	246.465979	170.431	378.802863
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	178.235782	54.681	110.572666	244.428226	151.094	376.765110
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	154.582029	53.437	86.918913	241.722785	132.007	374.059669
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	132.943234	59.486	65.280118	238.028818	113.300	370.365702
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	116.861384	70.987	49.198268	232.804739	95.196	365.141623
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	105.851664	85.774	38.188548	225.102574	78.120	357.439458
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	98.321303	102.433	30.658187	213.276745	62.915	345.613629
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	95.239518	111.931	27.576402	204.328032	56.020	336.664916
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	93.026781	120.187	25.363665	194.974325	51.274	327.311209
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	89.181553	138.614	21.518437	169.506151	45.985	301.843035
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	86.303895	157.475	18.640779	142.851570	49.139	275.188454
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	84.094439	176.627	16.431323	122.524835	59.399	254.861719
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	82.361239	195.984	14.698123	109.206468	73.856	241.543352
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	80.977031	215.486	13.313915	100.574254	90.517	232.911138
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	79.854725	235.097	12.191609	94.761822	108.367	227.098706

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 1353.291 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	78.932999	254.788	11.269883	90.669974	126.901	223.006858
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	78.167565	274.542	10.504449	87.673590	145.857	220.010474
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	77.525709	294.343	9.862593	85.406334	165.086	217.743218
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	76.982785	314.182	9.319669	83.643933	184.502	215.980817
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	76.519892	334.051	8.856776	82.243023	204.049	214.579908
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	76.122307	353.943	8.459191	81.108334	223.691	213.445218
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	75.778399	373.855	8.115283	80.174357	243.404	212.511241
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	75.478861	393.781	7.815745	79.394703	263.171	211.731587
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	75.216165	413.719	7.553049	78.735666	282.978	211.072550
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	74.984152	433.668	7.321036	78.172202	302.818	210.509086
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	74.777740	453.624	7.114625	77.685333	322.682	210.022217
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	74.592701	473.586	6.929585	77.260427	342.567	209.597311
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	74.425484	493.554	6.762368	76.886030	362.467	209.222914
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	74.273090	513.525	6.609974	76.553048	382.380	208.889932
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	74.137552	532.821	6.474436	76.263842	401.625	208.600726
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	74.134287	533.304	6.471171	76.256958	402.108	208.593842

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 1597.289 Dis= -42.872 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	53.221918	0.000	518941.295	4068727.547	248.593222	1484.723	179.858188	250.037630	1595.712	381.302596
CIRC.	20.000	52.373092	0.000	518956.045	4068741.054	248.535836	1464.760	179.800802	250.002598	1575.724	381.267564
CIRC.	40.000	51.524265	0.000	518970.613	4068754.756	248.488596	1444.781	179.753562	249.977573	1555.725	381.242540
CIRC.	60.000	50.675439	0.000	518984.997	4068768.652	248.451938	1424.791	179.716904	249.962953	1535.721	381.227919
CIRC.	80.000	49.826612	0.000	518999.195	4068782.738	248.426317	1404.791	179.691284	249.959150	1515.713	381.224117
CIRC.	100.000	48.977786	0.000	519013.204	4068797.012	248.412218	1384.786	179.677184	249.966600	1495.706	381.231567
CIRC.	120.000	48.128960	0.000	519027.021	4068811.472	248.410149	1364.778	179.675115	249.985760	1475.703	381.250726
CIRC.	140.000	47.280133	0.000	519040.644	4068826.115	248.420647	1344.771	179.685613	250.017107	1455.709	381.282073
CIRC.	160.000	46.431307	0.000	519054.070	4068840.938	248.444279	1324.770	179.709245	250.061144	1435.726	381.326111
CIRC.	180.000	45.582481	0.000	519067.298	4068855.938	248.481645	1304.777	179.746612	250.118401	1415.759	381.383367
CIRC.	200.000	44.733654	0.000	519080.325	4068871.114	248.533379	1284.797	179.798345	250.189431	1395.813	381.454397
CIRC.	220.000	43.884828	0.000	519093.148	4068886.462	248.600150	1264.834	179.865116	250.274817	1375.892	381.539784
CIRC.	240.000	43.036002	0.000	519105.765	4068901.980	248.682665	1244.892	179.947631	250.375172	1356.000	381.640138
CLOT.	240.602	43.010472	0.000	519106.141	4068902.449	248.685398	1244.293	179.950365	250.378429	1355.403	381.643395
CLOT.	260.000	42.296834	0.000	519118.183	4068917.657	248.781099	1224.976	180.046065	250.490611	1336.142	381.755578
CLOT.	280.000	41.790693	0.000	519130.447	4068933.456	248.893070	1205.082	180.158036	250.618919	1316.313	381.883885
CLOT.	300.000	41.517682	0.000	519142.615	4068949.329	249.015335	1185.207	180.280301	250.757104	1296.507	382.022071

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 1597.289 Dis= -42.872 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	313.421	41.465190	0.000	519150.754	4068960.000	249.101437	1171.875	180.366404	250.853801	1283.225	382.118767
RECTA	320.000	41.465190	0.000	519154.742	4068965.232	249.144461	1165.341	180.409427	250.902023	1276.715	382.166989
RECTA	340.000	41.465190	0.000	519166.867	4068981.138	249.278268	1145.481	180.543234	251.051690	1256.930	382.316656
RECTA	360.000	41.465190	0.000	519178.992	4068997.043	249.416796	1125.626	180.681763	251.206143	1237.152	382.471109
RECTA	380.000	41.465190	0.000	519191.117	4069012.949	249.560299	1105.777	180.825265	251.365614	1217.382	382.630580
RECTA	400.000	41.465190	0.000	519203.242	4069028.854	249.709047	1085.934	180.974013	251.530348	1197.619	382.795314
CLOT.	403.802	41.465190	0.000	519205.547	4069031.878	249.737941	1082.162	181.002907	251.562282	1193.864	382.827248
CLOT.	420.000	41.479159	0.000	519215.368	4069044.759	249.863261	1066.096	181.128227	251.700546	1177.865	382.965513
CLOT.	440.000	41.534952	0.000	519227.503	4069060.657	250.022667	1046.264	181.287633	251.875961	1158.118	383.140927
CLOT.	460.000	41.633338	0.000	519239.656	4069076.541	250.186743	1026.435	181.451710	252.056123	1138.375	383.321089
CLOT.	480.000	41.774317	0.000	519251.840	4069092.401	250.354926	1006.608	181.619892	252.240532	1118.636	383.505498
CLOT.	500.000	41.957890	0.000	519264.064	4069108.231	250.526607	986.782	181.791573	252.428650	1098.899	383.693617
CLOT.	520.000	42.184056	0.000	519276.339	4069124.021	250.701127	966.954	181.966093	252.619903	1079.160	383.884870
CLOT.	540.000	42.452815	0.000	519288.675	4069139.763	250.877774	947.123	182.142740	252.813673	1059.419	384.078639
CLOT.	560.000	42.764167	0.000	519301.083	4069155.449	251.055773	927.287	182.320739	253.009293	1039.672	384.274259
CLOT.	580.000	43.118113	0.000	519313.572	4069171.070	251.234283	907.446	182.499249	253.206048	1019.919	384.471014
CLOT.	600.000	43.514652	0.000	519326.154	4069186.617	251.412385	887.596	182.677352	253.403164	1000.157	384.668130

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 1597.289 Dis= -42.872 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	620.000	43.953784	0.000	519338.837	4069202.081	251.589078	867.737	182.854044	253.599804	980.384	384.864770
CLOT.	640.000	44.435509	0.000	519351.631	4069217.453	251.763262	847.867	183.028228	253.795061	960.599	385.060027
CIRC.	642.946	44.510065	0.000	519353.526	4069219.709	251.788635	844.939	183.053601	253.823646	957.684	385.088613
CIRC.	660.000	44.944343	0.000	519364.546	4069232.724	251.933839	827.986	183.198805	253.988044	940.800	385.253010
CIRC.	680.000	45.453639	0.000	519377.583	4069247.892	252.100279	808.092	183.365245	254.178374	920.987	385.443341
CIRC.	700.000	45.962934	0.000	519390.740	4069262.954	252.262265	788.188	183.527231	254.365876	901.159	385.630842
CIRC.	720.000	46.472230	0.000	519404.017	4069277.911	252.419448	768.272	183.684414	254.550356	881.319	385.815322
CIRC.	740.000	46.981526	0.000	519417.414	4069292.761	252.571443	748.347	183.836409	254.731602	861.466	385.996568
CIRC.	760.000	47.490822	0.000	519430.929	4069307.504	252.717819	728.411	183.982786	254.909384	841.599	386.174350
CIRC.	780.000	48.000118	0.000	519444.561	4069322.138	252.858101	708.466	184.123068	255.083449	821.721	386.348415
CIRC.	800.000	48.509413	0.000	519458.311	4069336.662	252.991756	688.512	184.256722	255.253516	801.831	386.518482
CIRC.	820.000	49.018709	0.000	519472.175	4069351.076	253.118186	668.549	184.383153	255.419280	781.930	386.684246
CIRC.	840.000	49.528005	0.000	519486.155	4069365.379	253.236723	648.579	184.501689	255.580399	762.018	386.845365
CIRC.	860.000	50.037301	0.000	519500.249	4069379.569	253.346609	628.602	184.611575	255.736498	742.095	387.001464
CIRC.	880.000	50.546597	0.000	519514.456	4069393.646	253.446990	608.617	184.711956	255.887158	722.162	387.152125
CIRC.	900.000	51.055893	0.000	519528.775	4069407.609	253.536895	588.628	184.801861	256.031914	702.220	387.296880
CIRC.	920.000	51.565188	0.000	519543.205	4069421.457	253.615215	568.632	184.880181	256.170243	682.269	387.435210

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 1597.289 Dis= -42.872 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	940.000	52.074484	0.000	519557.745	4069435.189	253.680681	548.633	184.945648	256.301564	662.309	387.566530
CIRC.	960.000	52.583780	0.000	519572.395	4069448.805	253.731832	528.630	184.996798	256.425218	642.341	387.690184
CIRC.	980.000	53.093076	0.000	519587.154	4069462.302	253.766975	508.624	185.031941	256.540465	622.366	387.805432
CIRC.	1000.000	53.602372	0.000	519602.020	4069475.681	253.784142	488.616	185.049108	256.646466	602.384	387.911432
CIRC.	1020.000	54.111667	0.000	519616.992	4069488.941	253.781030	468.608	185.045997	256.742265	582.396	388.007231
CIRC.	1040.000	54.620963	0.000	519632.070	4069502.081	253.754927	448.602	185.019893	256.826771	562.403	388.091738
CIRC.	1060.000	55.130259	0.000	519647.253	4069515.100	253.702613	428.597	184.967580	256.898733	542.405	388.163699
CIRC.	1080.000	55.639555	0.000	519662.539	4069527.996	253.620246	408.596	184.885212	256.956707	522.403	388.221673
CIRC.	1100.000	56.148851	0.000	519677.928	4069540.770	253.503192	388.602	184.768158	256.999019	502.398	388.263985
CIRC.	1120.000	56.658147	0.000	519693.419	4069553.421	253.345822	368.616	184.610789	257.023718	482.391	388.288685
CIRC.	1140.000	57.167442	0.000	519709.010	4069565.947	253.141227	348.641	184.406194	257.028518	462.383	388.293484
CIRC.	1160.000	57.676738	0.000	519724.701	4069578.348	252.880834	328.681	184.145800	257.010718	442.376	388.275684
CIRC.	1180.000	58.186034	0.000	519740.491	4069590.623	252.553876	308.741	183.818842	256.967107	422.370	388.232073
CIRC.	1200.000	58.695330	0.000	519756.379	4069602.772	252.146655	288.824	183.411621	256.893839	402.368	388.158806
CIRC.	1220.000	59.204626	0.000	519772.363	4069614.793	251.641475	268.939	182.906441	256.786269	382.371	388.051235
CIRC.	1240.000	59.713921	0.000	519788.443	4069626.685	251.015097	249.094	182.280063	256.638730	362.382	387.903696
CIRC.	1260.000	60.223217	0.000	519804.617	4069638.449	250.236406	229.301	181.501372	256.444244	342.403	387.709210

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 1597.289 Dis= -42.872 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	1280.000	60.732513	0.000	519820.885	4069650.083	249.262844	209.576	180.527810	256.194117	322.438	387.459083
CIRC.	1300.000	61.241809	0.000	519837.246	4069661.586	248.034734	189.941	179.299700	255.877385	302.490	387.142351
CIRC.	1320.000	61.751105	0.000	519853.698	4069672.958	246.465979	170.431	177.730945	255.480025	282.566	386.744991
CIRC.	1340.000	62.260401	0.000	519870.241	4069684.199	244.428226	151.094	175.693192	254.983820	262.671	386.248786
CIRC.	1360.000	62.769696	0.000	519886.873	4069695.306	241.722785	132.007	172.987751	254.364685	242.814	385.629652
CIRC.	1380.000	63.278992	0.000	519903.593	4069706.280	238.028818	113.300	169.293784	253.590131	223.008	384.855098
CIRC.	1400.000	63.788288	0.000	519920.401	4069717.120	232.804739	95.196	164.069705	252.615317	203.267	383.880283
CIRC.	1420.000	64.297584	0.000	519937.294	4069727.825	225.102574	78.120	156.367541	251.376695	183.616	382.641661
CIRC.	1440.000	64.806880	0.000	519954.273	4069738.395	213.276745	62.915	144.541711	249.781416	164.086	381.046382
CLOT.	1450.816	65.082295	0.000	519963.490	4069744.054	204.328032	56.020	135.592998	248.723274	153.593	379.988240
CLOT.	1460.000	65.313669	0.000	519971.336	4069748.828	194.974325	51.274	126.239292	247.688956	144.730	378.953922
CLOT.	1480.000	65.800163	0.000	519988.480	4069759.128	169.506151	45.985	100.771117	244.879252	125.628	376.144218
CLOT.	1500.000	66.262887	0.000	520005.700	4069769.300	142.851570	49.139	74.116536	240.990478	106.914	372.255445
CLOT.	1520.000	66.701839	0.000	520022.992	4069779.349	122.524835	59.399	53.789801	235.393468	88.832	366.658435
CLOT.	1540.000	67.117021	0.000	520040.350	4069789.283	109.206468	73.856	40.471434	226.947111	71.858	358.212077
CLOT.	1560.000	67.508432	0.000	520057.772	4069799.106	100.574254	90.517	31.839220	213.607438	56.986	344.872404
CLOT.	1580.000	67.876072	0.000	520075.251	4069808.825	94.761822	108.367	26.026788	192.557177	46.282	323.822144

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 PROYECTO :
 EJE : 1 : Autovía A-7 sentido Almería

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 1482.630 Dis= -45.891 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 1597.289 Dis= -42.872 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1600.000	68.219941	0.000	520092.785	4069818.446	90.669974	126.901	21.934940	164.154544	42.975	295.419510
CLOT.	1620.000	68.540040	0.000	520110.369	4069827.976	87.673590	145.857	18.938556	137.202049	48.593	268.467016
CLOT.	1640.000	68.836367	0.000	520127.998	4069837.420	85.406334	165.086	16.671300	118.463794	60.701	249.728760
CLOT.	1660.000	69.108924	0.000	520145.670	4069846.786	83.643933	184.502	14.908899	106.681962	76.265	237.946928
CLOT.	1680.000	69.357710	0.000	520163.380	4069856.079	82.243023	204.049	13.507990	99.110850	93.571	230.375817
CLOT.	1700.000	69.582725	0.000	520181.124	4069865.307	81.108334	223.691	12.373300	93.991184	111.811	225.256150
CLOT.	1720.000	69.783969	0.000	520198.899	4069874.474	80.174357	243.404	11.439323	90.355104	130.591	221.620071
CLOT.	1740.000	69.961442	0.000	520216.701	4069883.589	79.394703	263.171	10.659669	87.664106	149.706	218.929072
CLOT.	1760.000	70.115144	0.000	520234.527	4069892.658	78.735666	282.978	10.000632	85.604304	169.040	216.869270
CLOT.	1780.000	70.245076	0.000	520252.373	4069901.687	78.172202	302.818	9.437168	83.983354	188.525	215.248321
CLOT.	1800.000	70.351237	0.000	520270.236	4069910.682	77.685333	322.682	8.950299	82.677891	208.117	213.942858
CLOT.	1820.000	70.433627	0.000	520288.112	4069919.651	77.260427	342.567	8.525393	81.605584	227.785	212.870550
CLOT.	1840.000	70.492246	0.000	520305.998	4069928.601	76.886030	362.467	8.150996	80.709577	247.512	211.974543
CLOT.	1860.000	70.527094	0.000	520323.890	4069937.537	76.553048	382.380	7.818014	79.949437	267.283	211.214404
RECTA	1879.320	70.538185	0.000	520341.178	4069946.163	76.263842	401.625	7.528809	79.316402	286.414	210.581369
RECTA	1879.804	70.538185	0.000	520341.611	4069946.380	76.256958	402.108	7.521924	79.301636	286.894	210.566603

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

pagina 1

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 243.419 Dis= 18.546 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	74.432706	244.602	205.697672	72.596662	360.640	3.861628
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	74.440923	244.120	205.705889	72.599774	360.157	3.864741
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	74.803254	224.641	206.068220	72.733324	340.646	3.998290
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	75.248667	204.689	206.513633	72.888696	320.654	4.153663
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	75.796102	184.751	207.061069	73.068333	300.665	4.333299
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	76.485781	164.833	207.750748	73.279365	280.681	4.544332
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	77.379869	144.943	208.644835	73.531107	260.701	4.796074
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	78.579671	125.097	209.844637	73.835955	240.730	5.100921
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	80.261799	105.320	211.526765	74.210771	220.768	5.475737
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	82.762693	85.663	214.027659	74.679093	200.820	5.944059
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	86.805671	66.235	218.070637	75.274771	180.892	6.539737
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	94.236207	47.323	225.501174	76.048284	160.991	7.313250
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	111.005940	29.928	242.270907	77.078275	141.133	8.343241
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	156.645216	18.867	287.910183	78.494136	121.338	9.759103
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	214.630820	24.914	345.895786	80.524048	101.646	11.789014
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	238.124860	41.113	369.389826	83.608601	82.134	14.873568
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	247.627763	59.706	378.892729	88.708914	62.973	19.973880

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 243.419 Dis= 18.546 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	252.458896	79.024	383.723863	98.296457	44.623	29.561423
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	255.294603	98.641	386.559569	119.941049	28.695	51.206015
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	257.109181	118.411	388.374147	168.996354	21.504	100.261320
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	257.667734	126.555	388.932700	191.793334	23.409	123.058300
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	258.333077	138.267	389.598043	215.119704	30.145	146.384670
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	259.185883	158.176	390.450849	234.789708	46.502	166.054675
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	259.791437	178.120	391.056403	243.659654	64.989	174.924620
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	260.224165	198.087	391.489132	248.432718	84.213	179.697684
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	260.531418	218.070	391.796384	251.325907	103.764	182.590873
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	260.744729	238.063	392.009695	253.218258	123.487	184.483224
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	260.885899	258.064	392.150865	254.518701	143.310	185.783667
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	260.970479	278.068	392.235445	255.441323	163.194	186.706289
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	261.009854	298.075	392.274820	256.108522	183.120	187.373489
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	261.012552	318.083	392.277518	256.595168	203.074	187.860134
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	260.985084	338.090	392.250050	256.949557	223.046	188.214523
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	260.932507	358.096	392.197473	257.204213	243.032	188.469179
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	260.858809	378.100	392.123775	257.381827	263.028	188.646793

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 243.419 Dis= 18.546 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	260.767177	398.100	392.032143	257.498703	283.029	188.763670
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	260.660186	418.096	391.925152	257.566856	303.035	188.831823
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	260.539943	438.087	391.804909	257.595332	323.042	188.860299
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	260.408186	458.074	391.673152	257.591071	343.050	188.856038
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	260.266361	478.054	391.531327	257.559486	363.057	188.824452
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	260.115683	498.029	391.380650	257.504859	383.062	188.769825
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	259.957179	517.997	391.222145	257.430623	403.065	188.695589
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	259.791722	537.957	391.056688	257.339562	423.064	188.604528
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	259.620061	557.911	390.885027	257.233958	443.059	188.498924
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	259.442841	577.856	390.707807	257.115697	463.049	188.380663
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	259.260619	597.793	390.525586	256.986353	483.034	188.251319
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	259.073884	617.721	390.338850	256.847250	503.013	188.112217
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	258.883058	637.640	390.148025	256.699510	522.985	187.964476
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	258.688517	657.550	389.953483	256.544088	542.951	187.809054
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	258.490588	677.450	389.755555	256.381803	562.909	187.646769
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	258.289565	697.340	389.554531	256.213364	582.859	187.478330
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	258.085705	717.219	389.350671	256.039382	602.801	187.304349

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 243.419 Dis= 18.546 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	257.879239	737.088	389.144205	255.860394	622.735	187.125360
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	257.670375	756.945	388.935341	255.676867	642.660	186.941833
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	257.459296	776.791	388.724263	255.489212	662.575	186.754178
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	257.246171	796.624	388.511137	255.297792	682.480	186.562758
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	257.031149	816.446	388.296115	255.102929	702.376	186.367895
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	256.814366	836.255	388.079332	254.904910	722.260	186.169876
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	256.595946	856.051	387.860912	254.703989	742.134	185.968955
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	256.376000	875.834	387.640966	254.500395	761.997	185.765361
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	256.154630	895.603	387.419597	254.294334	781.848	185.559300
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	255.931931	915.359	387.196897	254.085989	801.688	185.350955
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	255.707986	935.100	386.972953	253.875528	821.515	185.140495
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	255.569837	947.220	386.834803	253.745261	833.688	185.010227
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	255.482882	954.827	386.747848	253.663110	841.330	184.928076
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	255.256988	974.540	386.521954	253.449211	861.132	184.714177
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	255.031033	994.241	386.295999	253.234702	880.923	184.499668
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	254.805712	1013.930	386.070679	253.020409	900.705	184.285375
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	254.581670	1033.611	385.846636	252.807084	920.479	184.072050

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 243.419 Dis= 18.546 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	254.359501	1053.285	385.624467	252.595417	940.247	183.860383
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	254.139755	1072.953	385.404721	252.386038	960.009	183.651004
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	253.922944	1092.619	385.187910	252.179529	979.768	183.444495
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	253.709542	1112.282	384.974508	251.976425	999.525	183.241392
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	253.499991	1131.946	384.764957	251.777220	1019.282	183.042186
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	253.294705	1151.613	384.559671	251.582370	1039.041	182.847336
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	253.094068	1171.283	384.359034	251.392296	1058.802	182.657263
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	252.898440	1190.959	384.163406	251.207393	1078.568	182.472359
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	252.708159	1210.642	383.973125	251.028024	1098.339	182.292990
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	252.569782	1225.342	383.834748	250.897928	1113.104	182.162894
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	252.523544	1230.335	383.788510	250.854530	1118.118	182.119497
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	252.345170	1250.038	383.610136	250.687536	1137.906	181.952502
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	252.174099	1269.758	383.439065	250.528196	1157.706	181.793162
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	252.011390	1289.497	383.276357	250.377656	1177.523	181.642623
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	251.858043	1309.258	383.123010	250.236989	1197.358	181.501955
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	251.715001	1329.045	382.979967	250.107199	1217.214	181.372166
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	251.583154	1348.860	382.848120	249.989232	1237.092	181.254199

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 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 243.419 Dis= 18.546 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	251.463346	1368.704	382.728313	249.883975	1256.993	181.148942
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	251.356376	1388.577	382.621343	249.792263	1276.918	181.057229
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	251.263000	1408.479	382.527966	249.714880	1296.864	180.979846
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	251.254142	1410.541	382.519108	249.707720	1298.930	180.972686
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	251.183779	1428.409	382.448745	249.652399	1316.831	180.917365
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	251.118427	1448.362	382.383394	249.604468	1336.814	180.869435
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	251.066393	1468.335	382.331359	249.570456	1356.808	180.835422
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	251.027151	1488.322	382.292117	249.549761	1376.811	180.814727
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	251.000200	1508.319	382.265166	249.541815	1396.818	180.806782
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	250.985063	1528.324	382.250029	249.546081	1416.826	180.811047
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	250.981285	1548.331	382.246251	249.562047	1436.830	180.827013
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	250.988433	1568.338	382.253399	249.589229	1456.829	180.854195
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	251.006091	1588.341	382.271057	249.627166	1476.817	180.892132
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	251.018343	1598.055	382.283309	249.649344	1486.522	180.914311

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 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	72.596662	360.640	204.933546	71.274447	492.451	3.611331
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	72.599774	360.157	204.936658	71.275429	491.969	3.612313
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	72.733324	340.646	205.070208	71.317008	472.446	3.653892
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	72.888696	320.654	205.225580	71.364517	452.441	3.701401
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	73.068333	300.665	205.405217	71.418929	432.437	3.755813
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	73.279365	280.681	205.616249	71.482578	412.433	3.819462
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	73.531107	260.701	205.867991	71.558275	392.431	3.895159
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	73.835955	240.730	206.172839	71.649433	372.431	3.986317
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	74.210771	220.768	206.547655	71.760238	352.433	4.097122
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	74.679093	200.820	207.015977	71.895883	332.438	4.232767
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	75.274771	180.892	207.611655	72.062886	312.448	4.399770
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	76.048284	160.991	208.385168	72.269542	292.464	4.606426
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	77.078275	141.133	209.415159	72.526568	272.489	4.863452
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	78.494136	121.338	210.831021	72.848054	252.525	5.184939
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	80.524048	101.646	212.860932	73.252901	232.577	5.589785
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	83.608601	82.134	215.945485	73.767040	212.649	6.103924
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	88.708914	62.973	221.045798	74.427017	192.752	6.763901

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	98.296457	44.623	230.633341	75.285981	172.896	7.622865
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	119.941049	28.695	252.277933	76.424191	153.101	8.761075
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	168.996354	21.504	301.333238	77.968479	133.396	10.305363
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	191.793334	23.409	324.130218	78.765102	125.341	11.101986
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	215.119704	30.145	347.456588	80.130684	113.830	12.467568
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	234.789708	46.502	367.126592	83.287573	94.495	15.624457
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	243.659654	64.989	375.996538	88.173787	75.567	20.510671
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	248.432718	84.213	380.769602	96.388711	57.453	28.725595
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	251.325907	103.764	383.662791	111.761734	41.241	44.098618
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	253.218258	123.487	385.555142	142.129997	30.174	74.466881
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	254.518701	143.310	386.855585	184.917467	30.493	117.254351
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	255.441323	163.194	387.778207	214.394582	41.939	146.731466
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	256.108522	183.120	388.445406	229.277947	58.288	161.614831
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	256.595168	203.074	388.932052	237.273009	76.457	169.609893
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	256.949557	223.046	389.286441	242.050346	95.411	174.387230
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	257.204213	243.032	389.541097	245.147047	114.761	177.483931
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	257.381827	263.028	389.718711	247.272872	134.335	179.609756

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	257.498703	283.029	389.835587	248.792075	154.046	181.128959
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	257.566856	303.035	389.903740	249.908607	173.847	182.245491
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	257.595332	323.042	389.932216	250.744856	193.709	183.081740
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	257.591071	343.050	389.927955	251.378465	213.614	183.715349
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	257.559486	363.057	389.896370	251.860961	233.550	184.197845
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	257.504859	383.062	389.841743	252.227837	253.509	184.564721
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	257.430623	403.065	389.767507	252.504317	273.484	184.841201
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	257.339562	423.064	389.676446	252.708809	293.471	185.045693
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	257.233958	443.059	389.570842	252.855051	313.467	185.191935
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	257.115697	463.049	389.452581	252.953505	333.468	185.290389
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	256.986353	483.034	389.323237	253.012274	353.474	185.349158
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	256.847250	503.013	389.184135	253.037729	373.481	185.374613
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	256.699510	522.985	389.036394	253.034951	393.489	185.371835
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	256.544088	542.951	388.880972	253.008038	413.496	185.344922
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	256.381803	562.909	388.718687	252.960333	433.501	185.297217
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	256.213364	582.859	388.550248	252.894590	453.504	185.231474
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	256.039382	602.801	388.376266	252.813096	473.503	185.149980

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	255.860394	622.735	388.197278	252.717771	493.498	185.054655
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	255.676867	642.660	388.013751	252.610231	513.488	184.947115
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	255.489212	662.575	387.826096	252.491853	533.472	184.828737
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	255.297792	682.480	387.634676	252.363815	553.450	184.700699
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	255.102929	702.376	387.439813	252.227128	573.421	184.564012
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	254.904910	722.260	387.241794	252.082668	593.385	184.419552
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	254.703989	742.134	387.040873	251.931198	613.341	184.268082
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	254.500395	761.997	386.837279	251.773381	633.290	184.110265
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	254.294334	781.848	386.631218	251.609803	653.229	183.946687
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	254.085989	801.688	386.422873	251.440978	673.159	183.777862
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	253.875528	821.515	386.212412	251.267360	693.080	183.604244
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	253.745261	833.688	386.082145	251.158508	705.313	183.495392
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	253.663110	841.330	385.999994	251.089362	712.991	183.426246
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	253.449211	861.132	385.786095	250.907747	732.893	183.244631
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	253.234702	880.923	385.571586	250.723708	752.785	183.060592
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	253.020409	900.705	385.357293	250.538353	772.669	182.875237
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	252.807084	920.479	385.143968	250.352677	792.547	182.689561

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	252.595417	940.247	384.932301	250.167576	812.418	182.504460
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	252.386038	960.009	384.722922	249.983861	832.285	182.320745
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	252.179529	979.768	384.516413	249.802266	852.148	182.139150
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	251.976425	999.525	384.313310	249.623460	872.009	181.960344
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	251.777220	1019.282	384.114104	249.448050	891.869	181.784934
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	251.582370	1039.041	383.919254	249.276592	911.728	181.613476
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	251.392296	1058.802	383.729180	249.109595	931.590	181.446479
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	251.207393	1078.568	383.544277	248.947523	951.454	181.284407
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	251.028024	1098.339	383.364908	248.790806	971.321	181.127690
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	250.897928	1113.104	383.234812	248.677538	986.156	181.014422
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	250.854530	1118.118	383.191415	248.639842	991.193	180.976726
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	250.687536	1137.906	383.024420	248.495339	1011.072	180.832223
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	250.528196	1157.706	382.865080	248.358603	1030.959	180.695487
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	250.377656	1177.523	382.714540	248.230915	1050.858	180.567799
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	250.236989	1197.358	382.573873	248.113460	1070.770	180.450344
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	250.107199	1217.214	382.444083	248.007342	1090.696	180.344226
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	249.989232	1237.092	382.326117	247.913588	1110.638	180.250472

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 358.944 Dis= 21.469 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	249.883975	1256.993	382.220860	247.833152	1130.596	180.170036
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	249.792263	1276.918	382.129147	247.766927	1150.569	180.103811
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	249.714880	1296.864	382.051764	247.715742	1170.555	180.052626
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	249.707720	1298.930	382.044604	247.711335	1172.624	180.048219
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	249.652399	1316.831	381.989283	247.680189	1190.552	180.017073
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	249.604468	1336.814	381.941352	247.659834	1210.556	179.996718
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	249.570456	1356.808	381.907340	247.653942	1230.563	179.990826
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	249.549761	1376.811	381.886645	247.661818	1250.570	179.998702
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	249.541815	1396.818	381.878700	247.682811	1270.574	180.019695
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	249.546081	1416.826	381.882965	247.716308	1290.570	180.053192
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	249.562047	1436.830	381.898931	247.761731	1310.556	180.098615
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	249.589229	1456.829	381.926113	247.818536	1330.529	180.155420
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	249.627166	1476.817	381.964050	247.886211	1350.486	180.223095
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	249.649344	1486.522	381.986228	247.922861	1360.174	180.259745

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	71.274447	492.451	205.028829	69.839819	688.663	3.594201
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	71.275429	491.969	205.029811	69.839514	688.181	3.593897
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	71.317008	472.446	205.071390	69.826965	668.656	3.581347
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	71.364517	452.441	205.118899	69.814143	648.648	3.568525
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	71.418929	432.437	205.173311	69.802231	628.641	3.556613
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	71.482578	412.433	205.236960	69.792218	608.633	3.546600
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	71.558275	392.431	205.312657	69.785232	588.625	3.539615
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	71.649433	372.431	205.403815	69.782558	568.617	3.536940
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	71.760238	352.433	205.514620	69.785666	548.610	3.540048
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	71.895883	332.438	205.650265	69.796252	528.602	3.550634
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	72.062886	312.448	205.817268	69.816278	508.595	3.570660
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	72.269542	292.464	206.023924	69.848026	488.588	3.602409
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	72.526568	272.489	206.280950	69.894168	468.583	3.648551
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	72.848054	252.525	206.602437	69.957852	448.581	3.712234
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	73.252901	232.577	207.007283	70.042810	428.581	3.797192
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	73.767040	212.649	207.521422	70.153504	408.587	3.907886
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	74.427017	192.752	208.181399	70.295310	388.599	4.049692

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	75.285981	172.896	209.040363	70.474762	368.619	4.229144
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	76.424191	153.101	210.178573	70.699881	348.652	4.454263
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	77.968479	133.396	211.722861	70.980618	328.700	4.735000
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	78.765102	125.341	212.519484	71.114800	320.513	4.869182
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	80.130684	113.830	213.885066	71.329405	308.768	5.083787
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	83.287573	94.495	217.041955	71.761052	288.863	5.515434
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	88.173787	75.567	221.928169	72.293822	268.991	6.048205
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	96.388711	57.453	230.143093	72.951668	249.163	6.706050
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	111.761734	41.241	245.516116	73.766627	229.391	7.521009
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	142.129997	30.174	275.884379	74.782486	209.691	8.536868
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	184.917467	30.493	318.671849	76.060563	190.089	9.814945
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	214.394582	41.939	348.148964	77.689167	170.619	11.443549
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	229.277947	58.288	363.032329	79.799633	151.333	13.554015
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	237.273009	76.457	371.027391	82.594546	132.314	16.348929
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	242.050346	95.411	375.804728	86.399312	113.697	20.153694
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	245.147047	114.761	378.901429	91.758631	95.718	25.513013
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	247.272872	134.335	381.027254	99.612635	78.818	33.367017

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	248.792075	154.046	382.546458	111.552591	63.858	45.306973
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	249.908607	173.847	383.662989	129.740197	52.526	63.494579
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	250.744856	193.709	384.499238	154.579602	47.496	88.333984
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	251.378465	213.614	385.132847	180.387358	50.679	114.141740
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	251.860961	233.550	385.615343	200.262997	60.799	134.017379
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	252.227837	253.509	385.982219	213.468052	75.101	147.222434
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	252.504317	273.484	386.258699	222.105846	91.648	155.860228
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	252.708809	293.471	386.463191	227.944573	109.425	161.698955
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	252.855051	313.467	386.609433	232.052997	127.919	165.807379
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	252.953505	333.468	386.707887	235.048778	146.859	168.803160
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	253.012274	353.474	386.766656	237.297652	166.091	171.052034
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	253.037729	373.481	386.792111	239.025094	185.524	172.779476
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	253.034951	393.489	386.789333	240.375945	205.099	174.130327
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	253.008038	413.496	386.762420	241.446806	224.778	175.201188
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	252.960333	433.501	386.714715	242.304276	244.535	176.058659
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	252.894590	453.504	386.648972	242.995620	264.352	176.750002
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	252.813096	473.503	386.567479	243.555232	284.214	177.309614

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	252.717771	493.498	386.472153	244.008704	304.112	177.763087
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	252.610231	513.488	386.364613	244.375451	324.038	178.129833
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	252.491853	533.472	386.246236	244.670451	343.986	178.424833
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	252.363815	553.450	386.118197	244.905444	363.951	178.659826
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	252.227128	573.421	385.981510	245.089751	383.930	178.844133
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	252.082668	593.385	385.837050	245.230867	403.919	178.985250
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	251.931198	613.341	385.685580	245.334887	423.915	179.089269
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	251.773381	633.290	385.527764	245.406812	443.917	179.161194
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	251.609803	653.229	385.364185	245.450787	463.922	179.205169
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	251.440978	673.159	385.195360	245.470275	483.930	179.224657
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	251.267360	693.080	385.021742	245.468191	503.937	179.222573
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	251.158508	705.313	384.912890	245.457300	516.228	179.211682
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	251.089362	712.991	384.843744	245.447021	523.945	179.201403
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	250.907747	732.893	384.662129	245.409414	543.950	179.163796
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	250.723708	752.785	384.478090	245.358340	563.953	179.112722
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	250.538353	772.669	384.292735	245.296405	583.953	179.050787
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	250.352677	792.547	384.107059	245.225873	603.950	178.980255

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	250.167576	812.418	383.921958	245.148714	623.944	178.903096
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	249.983861	832.285	383.738243	245.066655	643.935	178.821037
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	249.802266	852.148	383.556648	244.981213	663.924	178.735595
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	249.623460	872.009	383.377842	244.893729	683.910	178.648111
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	249.448050	891.869	383.202432	244.805390	703.895	178.559772
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	249.276592	911.728	383.030974	244.717251	723.879	178.471634
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	249.109595	931.590	382.863977	244.630257	743.861	178.384639
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	248.947523	951.454	382.701905	244.545250	763.844	178.299632
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	248.790806	971.321	382.545188	244.462988	783.827	178.217370
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	248.677538	986.156	382.431920	244.403776	798.745	178.158158
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	248.639842	991.193	382.394224	244.384158	803.811	178.138540
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	248.495339	1011.072	382.249721	244.309802	823.796	178.064184
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	248.358603	1030.959	382.112986	244.241663	843.784	177.996045
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	248.230915	1050.858	381.985297	244.181408	863.775	177.935791
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	248.113460	1070.770	381.867842	244.130557	883.771	177.884939
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	248.007342	1090.696	381.761724	244.090494	903.771	177.844876
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	247.913588	1110.638	381.667970	244.062485	923.775	177.816867

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 489.522 Dis= 28.601 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	247.833152	1130.596	381.587535	244.047689	943.782	177.802071
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	247.766927	1150.569	381.521309	244.047166	963.789	177.801548
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	247.715742	1170.555	381.470124	244.061891	983.796	177.816273
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	247.711335	1172.624	381.465717	244.064322	985.866	177.818704
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	247.680189	1190.552	381.434571	244.092542	1003.798	177.846924
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	247.659834	1210.556	381.414216	244.138575	1023.792	177.892957
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	247.653942	1230.563	381.408324	244.199101	1043.776	177.953483
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	247.661818	1250.570	381.416200	244.273294	1063.746	178.027676
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	247.682811	1270.574	381.437193	244.360390	1083.700	178.114772
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	247.716308	1290.570	381.470690	244.459677	1103.635	178.214059
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	247.761731	1310.556	381.516113	244.570496	1123.548	178.324878
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	247.818536	1330.529	381.572919	244.692231	1143.438	178.446613
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	247.886211	1350.486	381.640593	244.824310	1163.302	178.578692
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	247.922861	1360.174	381.677243	244.892039	1172.942	178.646421

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	69.839819	688.663	290.234146	46.906080	781.410	67.300407
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	69.839514	688.181	290.233842	46.891960	780.959	67.286288
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	69.826965	668.656	290.221292	46.306900	762.768	66.701227
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	69.814143	648.648	290.208471	45.678424	744.194	66.072751
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	69.802231	628.641	290.196558	45.019220	725.689	65.413547
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	69.792218	608.633	290.186546	44.327719	707.257	64.722047
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	69.785232	588.625	290.179560	43.602200	688.898	63.996527
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	69.782558	568.617	290.176885	42.840767	670.616	63.235095
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	69.785666	548.610	290.179993	42.041336	652.414	62.435664
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	69.796252	528.602	290.190580	41.201604	634.294	61.595931
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	69.816278	508.595	290.210606	40.319025	616.261	60.713352
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	69.848026	488.588	290.242354	39.390779	598.319	59.785106
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	69.894168	468.583	290.288496	38.413734	580.472	58.808062
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	69.957852	448.581	290.352179	37.384409	562.726	57.778737
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	70.042810	428.581	290.437137	36.298923	545.087	56.693251
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	70.153504	408.587	290.547831	35.152942	527.562	55.547270
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	70.295310	388.599	290.689637	33.941619	510.158	54.335947

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	70.474762	368.619	290.869090	32.659521	492.886	53.053848
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	70.699881	348.652	291.094209	31.300547	475.755	51.694875
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	70.980618	328.700	291.374946	29.857841	458.778	50.252168
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	71.114800	320.513	291.509128	29.239440	451.855	49.633767
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	71.329405	308.768	291.723733	28.323645	441.968	48.717973
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	71.761052	288.863	292.155380	26.688654	425.345	47.082981
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	72.293822	268.991	292.688150	24.941931	408.933	45.336259
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	72.951668	249.163	293.345995	23.071177	392.757	43.465505
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	73.766627	229.391	294.160955	21.062603	376.852	41.456930
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	74.782486	209.691	295.176814	18.900807	361.252	39.295135
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	76.060563	190.089	296.454890	16.568685	346.001	36.963012
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	77.689167	170.619	298.083494	14.047399	331.148	34.441726
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	79.799633	151.333	300.193960	11.316456	316.749	31.710784
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	82.594546	132.314	302.988874	8.353954	302.871	28.748282
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	86.399312	113.697	306.793640	5.137075	289.589	25.531403
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	91.758631	95.718	312.152958	1.642952	276.989	22.037280
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	99.612635	78.818	320.006962	397.850012	265.171	18.244340

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	111.552591	63.858	331.946919	393.739934	254.244	14.134262
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	129.740197	52.526	350.134524	389.300285	244.328	9.694613
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	154.579602	47.496	374.973929	384.527791	235.551	4.922119
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	180.387358	50.679	0.781685	379.431962	228.046	399.826290
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	200.262997	60.799	20.657324	374.038512	221.943	394.432840
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	213.468052	75.101	33.862380	368.391670	217.359	388.785997
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	222.105846	91.648	42.500173	362.554358	214.392	382.948685
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	227.944573	109.425	48.338901	356.605428	213.111	376.999755
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	232.052997	127.919	52.447324	350.633847	213.545	371.028174
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	235.048778	146.859	55.443106	344.730706	215.685	365.125033
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	237.297652	166.091	57.691979	338.980751	219.480	359.375079
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	239.025094	185.524	59.419422	333.455324	224.846	353.849651
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	240.375945	205.099	60.770272	328.208041	231.674	348.602368
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	241.446806	224.778	61.841133	323.273588	239.839	343.667916
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	242.304276	244.535	62.698604	318.669105	249.208	339.063432
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	242.995620	264.352	63.389947	314.397178	259.651	334.791505
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	243.555232	284.214	63.949559	310.449461	271.043	330.843788

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	244.008704	304.112	64.403032	306.810172	283.269	327.204499
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	244.375451	324.038	64.769778	303.459060	296.225	323.853387
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	244.670451	343.986	65.064779	300.373693	309.819	320.768020
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	244.905444	363.951	65.299771	297.531094	323.969	317.925421
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	245.089751	383.930	65.484078	294.908827	338.606	315.303154
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	245.230867	403.919	65.625195	292.485657	353.667	312.879984
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	245.334887	423.915	65.729214	290.241910	369.100	310.636237
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	245.406812	443.917	65.801139	288.159623	384.859	308.553951
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	245.450787	463.922	65.845114	286.222563	400.905	306.616890
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	245.470275	483.930	65.864602	284.416155	417.204	304.810482
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	245.468191	503.937	65.862519	282.727381	433.726	303.121708
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	245.457300	516.228	65.851627	281.743246	443.975	302.137573
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	245.447021	523.945	65.841348	281.144655	450.447	301.538982
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	245.409414	543.950	65.803742	279.658199	467.345	300.052526
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	245.358340	563.953	65.752667	278.260018	484.407	298.654346
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	245.296405	583.953	65.690733	276.943063	501.621	297.337390
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	245.225873	603.950	65.620200	275.701066	518.978	296.095394

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	245.148714	623.944	65.543041	274.528450	536.466	294.922778
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	245.066655	643.935	65.460982	273.420239	554.080	293.814567
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	244.981213	663.924	65.375540	272.371990	571.812	292.766318
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	244.893729	683.910	65.288056	271.379726	589.656	291.774053
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	244.805390	703.895	65.199717	270.439878	607.607	290.834206
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	244.717251	723.879	65.111579	269.549244	625.660	289.943571
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	244.630257	743.861	65.024584	268.704936	643.811	289.099264
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	244.545250	763.844	64.939577	267.904353	662.057	288.298680
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	244.462988	783.827	64.857315	267.145141	680.394	287.539468
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	244.403776	798.745	64.798103	266.604048	694.141	286.998375
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	244.384158	803.811	64.778485	266.425173	698.820	286.819501
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	244.309802	823.796	64.704130	265.742972	717.333	286.137300
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	244.241663	843.784	64.635991	265.098049	735.938	285.492377
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	244.181408	863.775	64.575736	264.490061	754.637	284.884388
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	244.130557	883.771	64.524885	263.918703	773.434	284.313031
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	244.090494	903.771	64.484822	263.383706	792.329	283.778033
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	244.062485	923.775	64.456813	262.884825	811.325	283.279153

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 682.338 Dis= 47.418 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	244.047689	943.782	64.442016	262.421842	830.421	282.816169
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	244.047166	963.789	64.441494	261.994556	849.619	282.388884
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	244.061891	983.796	64.456219	261.602787	868.915	281.997115
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	244.064322	985.866	64.458650	261.564266	870.917	281.958593
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	244.092542	1003.798	64.486869	261.246126	888.308	281.640454
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	244.138575	1023.792	64.532902	260.922915	907.789	281.317242
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	244.199101	1043.776	64.593428	260.631180	927.350	281.025508
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	244.273294	1063.746	64.667621	260.369086	946.983	280.763414
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	244.360390	1083.700	64.754717	260.134923	966.678	280.529251
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	244.459677	1103.635	64.854005	259.927098	986.431	280.321426
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	244.570496	1123.548	64.964823	259.744126	1006.232	280.138454
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	244.692231	1143.438	65.086558	259.584624	1026.077	279.978951
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	244.824310	1163.302	65.218637	259.447300	1045.960	279.841628
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	244.892039	1172.942	65.286367	259.388235	1055.630	279.782562

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	46.906080	781.410	109.709259	69.069017	880.388	331.872197
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	46.891960	780.959	109.695139	69.068357	879.905	331.871536
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	46.306900	762.768	109.110079	69.041105	860.383	331.844284
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	45.678424	744.194	108.481603	69.012500	840.379	331.815679
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	45.019220	725.689	107.822399	68.983822	820.375	331.787001
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	44.327719	707.257	107.130899	68.955751	800.370	331.758930
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	43.602200	688.898	106.405379	68.929036	780.365	331.732216
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	42.840767	670.616	105.643947	68.904507	760.359	331.707687
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	42.041336	652.414	104.844516	68.883082	740.353	331.686261
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	41.201604	634.294	104.004783	68.865781	720.346	331.668960
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	40.319025	616.261	103.122204	68.853742	700.338	331.656921
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	39.390779	598.319	102.193958	68.848235	680.331	331.651415
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	38.413734	580.472	101.216914	68.850687	660.323	331.653866
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	37.384409	562.726	100.187589	68.862699	640.315	331.665878
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	36.298923	545.087	99.102103	68.886081	620.309	331.689261
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	35.152942	527.562	97.956122	68.922884	600.304	331.726064
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	33.941619	510.158	96.744799	68.975439	580.302	331.778619

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	32.659521	492.886	95.462700	69.046410	560.304	331.849589
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	31.300547	475.755	94.103727	69.138850	540.312	331.942029
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	29.857841	458.778	92.661020	69.256281	520.328	332.059460
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	29.239440	451.855	92.042619	69.312663	512.126	332.115842
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	28.323645	441.968	91.126825	69.402740	500.355	332.205920
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	26.688654	425.345	89.491833	69.582324	480.395	332.385504
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	24.941931	408.933	87.745110	69.799326	460.451	332.602506
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	23.071177	392.757	85.874356	70.058789	440.528	332.861968
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	21.062603	376.852	83.865782	70.366692	420.629	333.169871
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	18.900807	361.252	81.703986	70.730176	400.759	333.533355
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	16.568685	346.001	79.371864	71.157835	380.924	333.961014
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	14.047399	331.148	76.850578	71.660097	361.131	334.463276
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	11.316456	316.749	74.119636	72.249731	341.389	335.052910
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	8.353954	302.871	71.157133	72.942527	321.709	335.745707
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	5.137075	289.589	67.940255	73.758218	302.104	336.561397
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	1.642952	276.989	64.446132	74.721746	282.591	337.524925
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	397.850012	265.171	60.653192	75.865040	263.192	338.668219

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	393.739934	254.244	56.543113	77.229516	243.935	340.032695
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	389.300285	244.328	52.103465	78.869669	224.859	341.672848
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	384.527791	235.551	47.330970	80.858275	206.014	343.661454
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	379.431962	228.046	42.235141	83.293984	187.473	346.097164
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	374.038512	221.943	36.841691	86.312369	169.335	349.115549
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	368.391670	217.359	31.194849	90.101644	151.748	352.904823
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	362.554358	214.392	25.357537	94.923461	134.928	357.726640
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	356.605428	213.111	19.408607	101.134927	119.202	363.938106
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	350.633847	213.545	13.437026	109.193146	105.062	371.996325
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	344.730706	215.685	7.533885	119.585227	93.235	382.388406
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	338.980751	219.480	1.783931	132.570524	84.696	395.373703
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	333.455324	224.846	396.258503	147.688762	80.500	10.491941
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	328.208041	231.674	391.011220	163.458763	81.320	26.261943
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	323.273588	239.839	386.076767	178.005943	87.015	40.809123
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	318.669105	249.208	381.472284	190.162236	96.729	52.965415
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	314.397178	259.651	377.200357	199.756973	109.394	62.560152
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	310.449461	271.043	373.252640	207.167165	124.110	69.970344

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	306.810172	283.269	369.613351	212.886651	140.233	75.689831
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	303.459060	296.225	366.262239	217.342675	157.329	80.145854
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	300.373693	309.819	363.176872	220.859672	175.112	83.662851
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	297.531094	323.969	360.334273	223.673183	193.393	86.476362
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	294.908827	338.606	357.712006	225.952466	212.041	88.755645
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	292.485657	353.667	355.288836	227.819761	230.967	90.622940
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	290.241910	369.100	353.045089	229.364389	250.106	92.167568
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	288.159623	384.859	350.962803	230.652557	269.412	93.455736
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	286.222563	400.905	349.025742	231.734080	288.851	94.537259
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	284.416155	417.204	347.219334	232.646994	308.395	95.450174
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	282.727381	433.726	345.530560	233.420751	328.026	96.223930
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	281.743246	443.975	344.546425	233.837259	340.121	96.640438
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	281.144655	450.447	343.947834	234.078473	347.727	96.881653
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	279.658199	467.345	342.461378	234.639301	367.486	97.442480
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	278.260018	484.407	341.063197	235.119600	387.290	97.922779
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	276.943063	501.621	339.746242	235.532715	407.131	98.335894
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	275.701066	518.978	338.504246	235.889574	427.002	98.692753

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	274.528450	536.466	337.331629	236.199203	446.897	99.002382
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	273.420239	554.080	336.223419	236.469117	466.811	99.272296
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	272.371990	571.812	335.175170	236.705621	486.740	99.508800
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	271.379726	589.656	334.182905	236.914041	506.682	99.717220
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	270.439878	607.607	333.243058	237.098905	526.634	99.902085
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	269.549244	625.660	332.352423	237.264086	546.593	100.067266
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	268.704936	643.811	331.508115	237.412916	566.559	100.216096
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	267.904353	662.057	330.707532	237.548276	586.529	100.351455
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	267.145141	680.394	329.948320	237.672667	606.503	100.475847
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	266.604048	694.141	329.407227	237.759696	621.416	100.562876
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	266.425173	698.820	329.228352	237.788282	626.480	100.591461
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	265.742972	717.333	328.546152	237.897580	646.458	100.700759
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	265.098049	735.938	327.901228	238.003733	666.436	100.806912
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	264.490061	754.637	327.293240	238.109657	686.412	100.912836
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	263.918703	773.434	326.721883	238.217936	706.385	101.021115
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	263.383706	792.329	326.186885	238.330870	726.352	101.134049
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	262.884825	811.325	325.688004	238.450510	746.312	101.253689

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 784.943 Dis=-212.974 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	262.421842	830.421	325.225021	238.578692	766.262	101.381871
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	261.994556	849.619	324.797736	238.717062	786.198	101.520241
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	261.602787	868.915	324.405967	238.867099	806.118	101.670279
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	261.564266	870.917	324.367445	238.883347	808.178	101.686526
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	261.246126	888.308	324.049306	239.029874	826.017	101.833054
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	260.922915	907.789	323.726094	239.204952	845.892	102.008131
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	260.631180	927.350	323.434360	239.391470	865.742	102.194649
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	260.369086	946.983	323.172266	239.588646	885.565	102.391825
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	260.134923	966.678	322.938103	239.795765	905.360	102.598944
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	259.927098	986.431	322.730277	240.012176	925.124	102.815356
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	259.744126	1006.232	322.547305	240.237283	944.857	103.040462
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	259.584624	1026.077	322.387803	240.470537	964.557	103.273716
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	259.447300	1045.960	322.250480	240.711436	984.222	103.514616
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	259.388235	1055.630	322.191414	240.831074	993.761	103.634254

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	69.069017	880.388	236.511736	63.686351	1016.977	31.129070
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	69.068357	879.905	236.511075	63.683229	1016.497	31.125948
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	69.041105	860.383	236.483823	63.554487	997.078	30.997206
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	69.012500	840.379	236.455219	63.417799	977.183	30.860517
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	68.983822	820.375	236.426541	63.276555	957.290	30.719274
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	68.955751	800.370	236.398469	63.131049	937.400	30.573768
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	68.929036	780.365	236.371755	62.981599	917.511	30.424318
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	68.904507	760.359	236.347226	62.828551	897.622	30.271269
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	68.883082	740.353	236.325800	62.672281	877.733	30.114999
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	68.865781	720.346	236.308500	62.513201	857.843	29.955919
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	68.853742	700.338	236.296460	62.351762	837.951	29.794481
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	68.848235	680.331	236.290954	62.188459	818.056	29.631178
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	68.850687	660.323	236.293405	62.023836	798.158	29.466554
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	68.862699	640.315	236.305417	61.858492	778.255	29.301211
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	68.886081	620.309	236.328800	61.693091	758.347	29.135810
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	68.922884	600.304	236.365603	61.528368	738.433	28.971087
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	68.975439	580.302	236.418158	61.365140	718.512	28.807858

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 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	69.046410	560.304	236.489128	61.204317	698.585	28.647035
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	69.138850	540.312	236.581569	61.046918	678.650	28.489637
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	69.256281	520.328	236.698999	60.894086	658.706	28.336805
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	69.312663	512.126	236.755381	60.832948	650.515	28.275667
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	69.402740	500.355	236.845459	60.747078	638.754	28.189796
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	69.582324	480.395	237.025043	60.606843	618.795	28.049561
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	69.799326	460.451	237.242045	60.474071	598.827	27.916790
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	70.058789	440.528	237.501507	60.349539	578.852	27.792258
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	70.366692	420.629	237.809410	60.234133	558.871	27.676851
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	70.730176	400.759	238.172894	60.128871	538.884	27.571589
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	71.157835	380.924	238.600553	60.034928	518.891	27.477647
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	71.660097	361.131	239.102815	59.953669	498.894	27.396388
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	72.249731	341.389	239.692449	59.886686	478.893	27.329404
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	72.942527	321.709	240.385246	59.835848	458.888	27.278566
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	73.758218	302.104	241.200936	59.803365	438.882	27.246083
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	74.721746	282.591	242.164464	59.791868	418.874	27.234587
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	75.865040	263.192	243.307759	59.804518	398.866	27.247237

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	77.229516	243.935	244.672235	59.845139	378.860	27.287857
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	78.869669	224.859	246.312387	59.918404	358.857	27.361122
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	80.858275	206.014	248.300993	60.030087	338.858	27.472806
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	83.293984	187.473	250.736703	60.187404	318.867	27.630122
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	86.312369	169.335	253.755088	60.399487	298.885	27.842205
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	90.101644	151.748	257.544362	60.678067	278.917	28.120785
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	94.923461	134.928	262.366180	61.038462	258.967	28.481180
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	101.134927	119.202	268.577646	61.501047	239.041	28.943766
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	109.193146	105.062	276.635864	62.093515	219.147	29.536234
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	119.585227	93.235	287.027945	62.854444	199.296	30.297162
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	132.570524	84.696	300.013242	63.839146	179.503	31.281865
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	147.688762	80.500	315.131480	65.129686	159.792	32.572404
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	163.458763	81.320	330.901482	66.852847	140.199	34.295565
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	178.005943	87.015	345.448662	69.214322	120.782	36.657041
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	190.162236	96.729	357.604954	72.568097	101.644	40.010816
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	199.756973	109.394	367.199692	77.567678	82.981	45.010396
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	207.167165	124.110	374.609883	85.515915	65.202	52.958633

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	212.886651	140.233	380.329370	99.144736	49.276	66.587455
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	217.342675	157.329	384.785394	123.347143	37.636	90.789862
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	220.859672	175.112	388.302391	158.617248	34.877	126.059966
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	223.673183	193.393	391.115901	189.233523	42.754	156.676242
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	225.952466	212.041	393.395184	207.387704	57.016	174.830422
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	227.819761	230.967	395.262479	217.661270	74.063	185.103989
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	229.364389	250.106	396.807107	223.888285	92.363	191.331004
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	230.652557	269.412	398.095275	227.943397	111.301	195.386116
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	231.734080	288.851	399.176798	230.736350	130.597	198.179068
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	232.646994	308.395	0.089713	232.741590	150.113	200.184308
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	233.420751	328.026	0.863469	234.225786	169.771	201.668505
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	233.837259	340.121	1.279977	234.951045	181.898	202.393764
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	234.078473	347.727	1.521192	235.348853	189.527	202.791572
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	234.639301	367.486	2.082019	236.213317	209.352	203.656036
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	235.119600	387.290	2.562318	236.888672	229.224	204.331391
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	235.532715	407.131	2.975433	237.422715	249.131	204.865434
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	235.889574	427.002	3.332293	237.849286	269.064	205.292005

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	236.199203	446.897	3.641921	238.192989	289.015	205.635707
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	236.469117	466.811	3.911835	238.472126	308.980	205.914844
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	236.705621	486.740	4.148340	238.700587	328.955	206.143306
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	236.914041	506.682	4.356760	238.889101	348.938	206.331820
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	237.098905	526.634	4.541624	239.046081	368.926	206.488799
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	237.264086	546.593	4.706805	239.178216	388.919	206.620935
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	237.412916	566.559	4.855635	239.290892	408.914	206.733610
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	237.548276	586.529	4.990994	239.388492	428.912	206.831210
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	237.672667	606.503	5.115386	239.474619	448.911	206.917337
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	237.759696	621.416	5.202415	239.533241	463.842	206.975959
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	237.788282	626.480	5.231001	239.552269	468.911	206.994988
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	237.897580	646.458	5.340298	239.624663	488.911	207.067382
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	238.003733	666.436	5.446451	239.695836	508.911	207.138554
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	238.109657	686.412	5.552375	239.769356	528.910	207.212074
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	238.217936	706.385	5.660654	239.848271	548.907	207.290990
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	238.330870	726.352	5.773588	239.935201	568.900	207.377920
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	238.450510	746.312	5.893228	240.032407	588.889	207.475126

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 866.786 Dis= 80.172 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	238.578692	766.262	6.021410	240.141852	608.870	207.584570
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	238.717062	786.198	6.159780	240.265246	628.842	207.707965
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	238.867099	806.118	6.309818	240.404086	648.801	207.846805
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	238.883347	808.178	6.326065	240.419390	650.866	207.862109
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	239.029874	826.017	6.472593	240.559361	668.744	208.002079
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	239.204952	845.892	6.647670	240.730216	688.669	208.172934
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	239.391470	865.742	6.834188	240.915323	708.573	208.358042
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	239.588646	885.565	7.031364	241.113501	728.456	208.556220
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	239.795765	905.360	7.238484	241.323694	748.314	208.766412
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	240.012176	925.124	7.454895	241.544956	768.148	208.987674
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	240.237283	944.857	7.680001	241.776438	787.955	209.219157
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	240.470537	964.557	7.913255	242.017375	807.733	209.460094
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	240.711436	984.222	8.154155	242.267077	827.482	209.709796
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	240.831074	993.761	8.273793	242.391345	837.065	209.834063

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	63.686351	1016.977	213.416053	61.732454	1187.953	11.462156
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	63.683229	1016.497	213.412931	61.728993	1187.475	11.458695
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	63.554487	997.078	213.284190	61.586670	1168.128	11.316372
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	63.417799	977.183	213.147501	61.436314	1148.308	11.166016
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	63.276555	957.290	213.006257	61.281629	1128.492	11.011331
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	63.131049	937.400	212.860752	61.122874	1108.680	10.852576
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	62.981599	917.511	212.711302	60.960326	1088.869	10.690028
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	62.828551	897.622	212.558253	60.794284	1069.060	10.523986
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	62.672281	877.733	212.401983	60.625066	1049.251	10.354769
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	62.513201	857.843	212.242903	60.453019	1029.442	10.182721
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	62.351762	837.951	212.081464	60.278513	1009.630	10.008215
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	62.188459	818.056	211.918161	60.101949	989.815	9.831651
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	62.023836	798.158	211.753538	59.923761	969.996	9.653463
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	61.858492	778.255	211.588194	59.744419	950.172	9.474122
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	61.693091	758.347	211.422793	59.564435	930.341	9.294137
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	61.528368	738.433	211.258070	59.384363	910.503	9.114065
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	61.365140	718.512	211.094842	59.204808	890.657	8.934510

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	61.204317	698.585	210.934019	59.026431	870.802	8.756133
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	61.046918	678.650	210.776620	58.849956	850.937	8.579658
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	60.894086	658.706	210.623788	58.676176	831.061	8.405878
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	60.832948	650.515	210.562650	58.605801	822.897	8.335503
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	60.747078	638.754	210.476780	58.505940	811.174	8.235642
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	60.606843	618.795	210.336545	58.339816	791.276	8.069518
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	60.474071	598.827	210.203773	58.178133	771.367	7.907835
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	60.349539	578.852	210.079241	58.021246	751.447	7.750948
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	60.234133	558.871	209.963835	57.869550	731.517	7.599252
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	60.128871	538.884	209.858573	57.723484	711.578	7.453186
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	60.034928	518.891	209.764630	57.583537	691.630	7.313239
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	59.953669	498.894	209.683371	57.450258	671.673	7.179961
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	59.886686	478.893	209.616388	57.324263	651.708	7.053965
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	59.835848	458.888	209.565550	57.206245	631.735	6.935947
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	59.803365	438.882	209.533067	57.096988	611.756	6.826690
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	59.791868	418.874	209.521571	56.997383	591.770	6.727085
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	59.804518	398.866	209.534221	56.908446	571.779	6.638148

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	59.845139	378.860	209.574841	56.831338	551.783	6.561040
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	59.918404	358.857	209.648106	56.767398	531.782	6.497100
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	60.030087	338.858	209.759789	56.718172	511.778	6.447874
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	60.187404	318.867	209.917106	56.685458	491.772	6.415160
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	60.399487	298.885	210.129189	56.671358	471.765	6.401060
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	60.678067	278.917	210.407769	56.678346	451.757	6.408049
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	61.038462	258.967	210.768164	56.709354	431.750	6.439057
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	61.501047	239.041	211.230749	56.767880	411.746	6.497583
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	62.093515	219.147	211.823217	56.858135	391.746	6.587837
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	62.854444	199.296	212.584146	56.985228	371.753	6.714930
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	63.839146	179.503	213.568849	57.155425	351.769	6.885128
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	65.129686	159.792	214.859388	57.376489	331.796	7.106191
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	66.852847	140.199	216.582549	57.658150	311.839	7.387852
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	69.214322	120.782	218.944024	58.012774	291.902	7.742476
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	72.568097	101.644	222.297799	58.456301	271.990	8.186003
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	77.567678	82.981	227.297380	59.009632	252.112	8.739334
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	85.515915	65.202	235.245617	59.700691	232.278	9.430393

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	99.144736	49.276	248.874438	60.567597	212.500	10.297299
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	123.347143	37.636	273.076845	61.663692	192.798	11.393394
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	158.617248	34.877	308.346950	63.065790	173.199	12.795492
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	189.233523	42.754	338.963226	64.888238	153.744	14.617940
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	207.387704	57.016	357.117406	67.307977	134.497	17.037679
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	217.661270	74.063	367.390972	70.611280	115.563	20.340982
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	223.888285	92.363	373.617987	75.284845	97.128	25.014548
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	227.943397	111.301	377.673099	82.197164	79.541	31.926866
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	230.736350	130.597	380.466052	92.933285	63.510	42.662987
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	232.741590	150.113	382.471292	110.105159	50.542	59.834862
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	234.225786	169.771	383.955488	135.697564	43.469	85.427266
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	234.951045	181.898	384.680747	153.769148	43.415	103.498851
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	235.348853	189.527	385.078555	164.592746	45.155	114.322449
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	236.213317	209.352	385.943020	187.151887	54.792	136.881589
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	236.888672	229.224	386.618374	201.623902	69.125	151.353605
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	237.422715	249.131	387.152417	210.737570	85.826	160.467272
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	237.849286	269.064	387.578988	216.733143	103.754	166.462845

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	238.192989	289.015	387.922691	220.883028	122.365	170.612730
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	238.472126	308.980	388.201828	223.885670	141.387	173.615372
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	238.700587	328.955	388.430290	226.139089	160.671	175.868791
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	238.889101	348.938	388.618803	227.881787	180.129	177.611489
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	239.046081	368.926	388.775783	229.263713	199.709	178.993415
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	239.178216	388.919	388.907918	230.383226	219.375	180.112928
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	239.290892	408.914	389.020594	231.307249	239.105	181.036951
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	239.388492	428.912	389.118194	232.082774	258.882	181.812476
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	239.474619	448.911	389.204321	232.743700	278.695	182.473402
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	239.533241	463.842	389.262943	233.177597	293.504	182.907299
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	239.552269	468.911	389.281971	233.315078	298.535	183.044780
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	239.624663	488.911	389.354365	233.816882	318.394	183.546584
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	239.695836	508.911	389.425538	234.266422	338.268	183.996124
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	239.769356	528.910	389.499058	234.677407	358.149	184.407110
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	239.848271	548.907	389.577973	235.060684	378.034	184.790386
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	239.935201	568.900	389.664903	235.424936	397.918	185.154638
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	240.032407	588.889	389.762109	235.777198	417.798	185.506900

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 1014.931 Dis= 34.488 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	240.141852	608.870	389.871554	236.123228	437.671	185.852930
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	240.265246	628.842	389.994948	236.467779	457.531	186.197481
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	240.404086	648.801	390.133789	236.814809	477.376	186.544511
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	240.419390	650.866	390.149092	236.851001	479.429	186.580703
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	240.559361	668.744	390.289063	237.167204	497.202	186.896906
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	240.730216	688.669	390.459918	237.525118	517.005	187.254820
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	240.915323	708.573	390.645025	237.887936	536.786	187.617638
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	241.113501	728.456	390.843203	238.255130	556.544	187.984832
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	241.323694	748.314	391.053396	238.626245	576.278	188.355948
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	241.544956	768.148	391.274658	239.000888	595.986	188.730590
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	241.776438	787.955	391.506140	239.378715	615.668	189.108417
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	242.017375	807.733	391.747078	239.759426	635.323	189.489128
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	242.267077	827.482	391.996779	240.142758	654.950	189.872460
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	242.391345	837.065	392.121047	240.329840	664.474	190.059542

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	61.732454	1187.953	222.263738	58.479916	1383.481	19.011200
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	61.728993	1187.475	222.260277	58.475824	1383.007	19.007108
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	61.586670	1168.128	222.117954	58.307945	1363.820	18.839229
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	61.436314	1148.308	221.967598	58.131336	1344.168	18.662620
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	61.281629	1128.492	221.812913	57.950291	1324.523	18.481575
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	61.122874	1108.680	221.654158	57.765025	1304.884	18.296309
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	60.960326	1088.869	221.491610	57.575764	1285.250	18.107048
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	60.794284	1069.060	221.325568	57.382748	1265.620	17.914032
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	60.625066	1049.251	221.156351	57.186233	1245.991	17.717517
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	60.453019	1029.442	220.984303	56.986490	1226.363	17.517774
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	60.278513	1009.630	220.809797	56.783808	1206.733	17.315092
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	60.101949	989.815	220.633233	56.578494	1187.101	17.109779
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	59.923761	969.996	220.455045	56.370877	1167.465	16.902161
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	59.744419	950.172	220.275704	56.161306	1147.823	16.692590
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	59.564435	930.341	220.095719	55.950157	1128.175	16.481441
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	59.384363	910.503	219.915647	55.737832	1108.517	16.269116
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	59.204808	890.657	219.736092	55.524761	1088.850	16.056045

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	59.026431	870.802	219.557715	55.311408	1069.172	15.842692
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	58.849956	850.937	219.381240	55.098271	1049.481	15.629555
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	58.676176	831.061	219.207460	54.885887	1029.776	15.417172
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	58.605801	822.897	219.137085	54.799033	1021.681	15.330317
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	58.505940	811.174	219.037224	54.674819	1010.056	15.206103
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	58.339816	791.276	218.871100	54.465382	990.320	14.996666
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	58.178133	771.367	218.709417	54.257684	970.570	14.788968
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	58.021246	751.447	218.552530	54.051835	950.805	14.583119
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	57.869550	731.517	218.400834	53.847953	931.025	14.379237
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	57.723484	711.578	218.254768	53.646169	911.231	14.177453
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	57.583537	691.630	218.114821	53.446623	891.424	13.977907
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	57.450258	671.673	217.981543	53.249470	871.603	13.780754
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	57.324263	651.708	217.855547	53.054879	851.769	13.586163
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	57.206245	631.735	217.737529	52.863034	831.923	13.394318
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	57.096988	611.756	217.628272	52.674140	812.064	13.205424
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	56.997383	591.770	217.528667	52.488419	792.194	13.019703
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	56.908446	571.779	217.439730	52.306118	772.312	12.837402

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	56.831338	551.783	217.362622	52.127512	752.418	12.658796
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	56.767398	531.782	217.298682	51.952902	732.514	12.484186
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	56.718172	511.778	217.249456	51.782627	712.600	12.313911
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	56.685458	491.772	217.216742	51.617062	692.676	12.148346
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	56.671358	471.765	217.202642	51.456629	672.742	11.987913
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	56.678346	451.757	217.209631	51.301800	652.799	11.833084
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	56.709354	431.750	217.240638	51.153108	632.848	11.684392
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	56.767880	411.746	217.299165	51.011154	612.888	11.542439
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	56.858135	391.746	217.389419	50.876623	592.921	11.407907
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	56.985228	371.753	217.516512	50.750294	572.946	11.281578
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	57.155425	351.769	217.686710	50.633057	552.965	11.164341
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	57.376489	331.796	217.907773	50.525940	532.978	11.057224
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	57.658150	311.839	218.189434	50.430128	512.986	10.961412
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	58.012774	291.902	218.544058	50.347000	492.989	10.878284
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	58.456301	271.990	218.987585	50.278167	472.988	10.809451
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	59.009632	252.112	219.540916	50.225526	452.984	10.756811
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	59.700691	232.278	220.231975	50.191325	432.977	10.722609

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 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	60.567597	212.500	221.098881	50.178243	412.970	10.709527
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	61.663692	192.798	222.194976	50.189509	392.962	10.720793
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	63.065790	173.199	223.597074	50.229040	372.955	10.760324
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	64.888238	153.744	225.419522	50.301638	352.952	10.832922
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	67.307977	134.497	227.839261	50.413257	332.953	10.944541
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	70.611280	115.563	231.142564	50.571362	312.961	11.102646
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	75.284845	97.128	235.816130	50.785447	292.979	11.316731
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	82.197164	79.541	242.728448	51.067763	273.011	11.599047
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	92.933285	63.510	253.464569	51.434395	253.060	11.965679
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	110.105159	50.542	270.636444	51.906876	233.134	12.438160
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	135.697564	43.469	296.228848	52.514690	213.239	13.045974
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	153.769148	43.415	314.300433	52.972390	201.039	13.503674
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	164.592746	45.155	325.124031	53.299227	193.389	13.830511
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	187.151887	54.792	347.683171	54.318804	173.597	14.850088
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	201.623902	69.125	362.155187	55.658541	153.887	16.189825
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	210.737570	85.826	371.268854	57.451860	134.293	17.983144
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	216.733143	103.754	377.264427	59.919703	114.873	20.450987

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	220.883028	122.365	381.414312	63.452757	95.730	23.984041
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	223.885670	141.387	384.416954	68.799319	77.067	29.330603
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	226.139089	160.671	386.670373	77.528099	59.334	38.059383
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	227.881787	180.129	388.413071	93.134147	43.669	53.665431
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	229.263713	199.709	389.794997	121.847474	33.138	82.378758
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	230.383226	219.375	390.914510	160.938875	33.064	121.470159
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	231.307249	239.105	391.838533	189.851060	43.494	150.382344
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	232.082774	258.882	392.614058	205.614065	59.099	166.145349
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	232.743700	278.695	393.274984	214.466834	76.783	174.998118
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	233.177597	293.504	393.708881	218.762514	90.619	179.293798
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	233.315078	298.535	393.846362	219.935475	95.392	180.466759
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	233.816882	318.394	394.348166	223.605554	114.472	184.136839
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	234.266422	338.268	394.797706	226.237480	133.814	186.768764
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	234.677407	358.149	395.208692	228.228271	153.314	188.759556
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	235.060684	378.034	395.591968	229.802196	172.913	190.333480
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	235.424936	397.918	395.956220	231.094540	192.575	191.625824
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	235.777198	417.798	396.308482	232.191409	212.277	192.722693

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 1186.331 Dis= 42.980 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	236.123228	437.671	396.654512	233.150064	232.004	193.681348
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	236.467779	457.531	396.999063	234.010003	251.744	194.541287
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	236.814809	477.376	397.346093	234.799321	271.487	195.330605
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	236.851001	479.429	397.382285	234.877846	273.530	195.409130
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	237.167204	497.202	397.698488	235.537791	291.228	196.069075
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	237.525118	517.005	398.056402	236.236393	310.961	196.767677
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	237.887936	536.786	398.419220	236.902278	330.686	197.433562
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	238.255130	556.544	398.786414	237.540984	350.400	198.072268
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	238.626245	576.278	399.157530	238.156868	370.102	198.688152
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	239.000888	595.986	399.532172	238.753402	389.790	199.284687
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	239.378715	615.668	399.909999	239.333390	409.464	199.864675
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	239.759426	635.323	0.290710	239.899119	429.122	200.430403
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	240.142758	654.950	0.674042	240.452472	448.763	200.983757
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	240.329840	664.474	0.861124	240.717280	458.297	201.248564

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 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541
 Distancia: 184.992 Azimut: 240.772178
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	58.479916	1383.481	217.707738	56.409565	1562.189	15.637387
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	58.475824	1383.007	217.703646	56.405313	1561.717	15.633136
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	58.307945	1363.820	217.535767	56.231222	1542.659	15.459045
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	58.131336	1344.168	217.359158	56.048651	1523.140	15.276473
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	57.950291	1324.523	217.178114	55.862044	1503.630	15.089866
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	57.765025	1304.884	216.992847	55.671605	1484.128	14.899427
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	57.575764	1285.250	216.803586	55.477547	1464.631	14.705369
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	57.382748	1265.620	216.610570	55.280095	1445.138	14.507917
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	57.186233	1245.991	216.414055	55.079484	1425.649	14.307307
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	56.986490	1226.363	216.214313	54.875965	1406.159	14.103787
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	56.783808	1206.733	216.011631	54.669800	1386.669	13.897622
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	56.578494	1187.101	215.806317	54.461267	1367.176	13.689089
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	56.370877	1167.465	215.598699	54.250659	1347.679	13.478481
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	56.161306	1147.823	215.389129	54.038287	1328.175	13.266110
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	55.950157	1128.175	215.177980	53.824481	1308.663	13.052303
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	55.737832	1108.517	214.965654	53.609589	1289.142	12.837412
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	55.524761	1088.850	214.752583	53.393984	1269.608	12.621807

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541
 Distancia: 184.992 Azimut: 240.772178
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	55.311408	1069.172	214.539230	53.178060	1250.062	12.405882
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	55.098271	1049.481	214.326093	52.962237	1230.501	12.190059
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	54.885887	1029.776	214.113710	52.746964	1210.924	11.974786
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	54.799033	1021.681	214.026855	52.658840	1202.880	11.886663
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	54.674819	1010.056	213.902641	52.532704	1191.328	11.760526
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	54.465382	990.320	213.693205	52.319707	1171.715	11.547529
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	54.257684	970.570	213.485506	52.108045	1152.084	11.335867
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	54.051835	950.805	213.279657	51.897788	1132.435	11.125611
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	53.847953	931.025	213.075775	51.689013	1112.768	10.916835
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	53.646169	911.231	212.873991	51.481799	1093.085	10.709622
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	53.446623	891.424	212.674445	51.276236	1073.385	10.504058
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	53.249470	871.603	212.477292	51.072416	1053.669	10.300238
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	53.054879	851.769	212.282701	50.870441	1033.937	10.098263
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	52.863034	831.923	212.090857	50.670420	1014.190	9.898242
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	52.674140	812.064	211.901962	50.472472	994.427	9.700294
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	52.488419	792.194	211.716241	50.276723	974.650	9.504545
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	52.306118	772.312	211.533940	50.083313	954.858	9.311135

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541
 Distancia: 184.992 Azimut: 240.772178
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	52.127512	752.418	211.355334	49.892392	935.051	9.120214
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	51.952902	732.514	211.180725	49.704122	915.231	8.931945
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	51.782627	712.600	211.010449	49.518683	895.398	8.746505
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	51.617062	692.676	210.844885	49.336269	875.552	8.564091
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	51.456629	672.742	210.684451	49.157091	855.693	8.384913
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	51.301800	652.799	210.529622	48.981383	835.822	8.209206
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	51.153108	632.848	210.380930	48.809401	815.938	8.037224
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	51.011154	612.888	210.238977	48.641427	796.044	7.869249
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	50.876623	592.921	210.104446	48.477770	776.138	7.705592
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	50.750294	572.946	209.978116	48.318775	756.222	7.546597
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	50.633057	552.965	209.860880	48.164822	736.296	7.392644
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	50.525940	532.978	209.753762	48.016334	716.360	7.244156
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	50.430128	512.986	209.657950	47.873785	696.415	7.101607
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	50.347000	492.989	209.574822	47.737701	676.461	6.965523
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	50.278167	472.988	209.505989	47.608676	656.498	6.836499
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	50.225526	452.984	209.453349	47.487377	636.528	6.715200
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	50.191325	432.977	209.419147	47.374558	616.551	6.602380

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541
 Distancia: 184.992 Azimut: 240.772178
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	50.178243	412.970	209.406066	47.271074	596.568	6.498896
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	50.189509	392.962	209.417331	47.177898	576.578	6.405720
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	50.229040	372.955	209.456862	47.096144	556.584	6.323966
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	50.301638	352.952	209.529460	47.027093	536.585	6.254915
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	50.413257	332.953	209.641079	46.972222	516.582	6.200044
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	50.571362	312.961	209.799185	46.933248	496.577	6.161070
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	50.785447	292.979	210.013269	46.912174	476.569	6.139996
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	51.067763	273.011	210.295585	46.911355	456.561	6.139177
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	51.434395	253.060	210.662217	46.933576	436.554	6.161398
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	51.906876	233.134	211.134699	46.982155	416.549	6.209978
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	52.514690	213.239	211.742512	47.061077	396.547	6.288900
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	52.972390	201.039	212.200213	47.126646	384.263	6.354469
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	53.299227	193.389	212.527049	47.175151	376.552	6.402973
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	54.318804	173.597	213.546626	47.329446	356.563	6.557268
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	55.658541	153.887	214.886363	47.529071	336.585	6.756893
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	57.451860	134.293	216.679682	47.780325	316.619	7.008148
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	59.919703	114.873	219.147525	48.091191	296.667	7.319013

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541
 Distancia: 184.992 Azimut: 240.772178
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	63.452757	95.730	222.680579	48.471932	276.733	7.699754
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	68.799319	77.067	228.027141	48.935967	256.819	8.163789
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	77.528099	59.334	236.755921	49.501177	236.932	8.728999
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	93.134147	43.669	252.361969	50.191917	217.076	9.419740
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	121.847474	33.138	281.075296	51.042211	197.259	10.270033
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	160.938875	33.064	320.166697	52.101023	177.495	11.328845
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	189.851060	43.494	349.078882	53.441362	157.800	12.669184
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	205.614065	59.099	364.841888	55.176819	138.201	14.404641
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	214.466834	76.783	373.694657	57.493567	118.744	16.721390
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	218.762514	90.619	377.990336	59.787642	104.356	19.015464
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	219.935475	95.392	379.163297	60.717004	99.508	19.944827
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	223.605554	114.472	382.833377	65.459303	80.645	24.687125
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	226.237480	133.814	385.465302	72.988618	62.481	32.216440
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	228.228271	153.314	387.456094	86.221190	45.837	45.449012
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	229.802196	172.913	389.030018	111.573813	33.066	70.801636
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	231.094540	192.575	390.322363	152.349634	29.651	111.577456
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	232.191409	212.277	391.419231	187.036975	38.169	146.264797

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 1390.120 Dis= 31.535 K : 0.999604541
 Distancia: 184.992 Azimut: 240.772178
 BO : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	233.150064	232.004	392.377886	205.854302	53.148	165.082124
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	234.010003	251.744	393.237825	216.082160	70.575	175.309982
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	234.799321	271.487	394.027143	222.324673	89.013	181.552495
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	234.877846	273.530	394.105668	222.834706	90.954	182.062528
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	235.537791	291.228	394.765613	226.546751	107.935	185.774574
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	236.236393	310.961	395.464215	229.629530	127.122	188.857352
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	236.902278	330.686	396.130100	232.012699	146.467	191.240521
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	237.540984	350.400	396.768806	233.937822	165.912	193.165645
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	238.156868	370.102	397.384690	235.547626	185.422	194.775448
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	238.753402	389.790	397.981225	236.931501	204.976	196.159323
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	239.333390	409.464	398.561213	238.148148	224.559	197.375970
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	239.899119	429.122	399.126941	239.237644	244.161	198.465466
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	240.452472	448.763	399.680295	240.228256	263.775	199.456078
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	240.717280	458.297	399.945103	240.680122	273.306	199.907944

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489
 Distancia: 208.224 Azimut: 226.470053
 BO : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 1773.497 Dis= -33.412 K : 0.999604449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	270.273650	0.000	520294.906	4069950.350	56.409565	1562.189	229.939512	52.976111	1750.352	26.506059
CLOT.	0.482	270.273650	0.000	520294.475	4069950.133	56.405313	1561.717	229.935261	52.971399	1749.887	26.501346
CLOT.	20.000	270.260589	0.000	520277.047	4069941.346	56.231222	1542.659	229.761170	52.778684	1731.086	26.308632
CLOT.	40.000	270.220104	0.000	520259.193	4069932.334	56.048651	1523.140	229.578598	52.577116	1711.835	26.107063
CLOT.	60.000	270.152190	0.000	520241.346	4069923.307	55.862044	1503.630	229.391992	52.371580	1692.596	25.901527
CLOT.	80.000	270.056844	0.000	520223.510	4069914.257	55.671605	1484.128	229.201552	52.162258	1673.369	25.692205
CLOT.	100.000	269.934068	0.000	520205.691	4069905.177	55.477547	1464.631	229.007494	51.949338	1654.150	25.479285
CLOT.	120.000	269.783861	0.000	520187.890	4069896.058	55.280095	1445.138	228.810042	51.733017	1634.939	25.262965
CLOT.	140.000	269.606224	0.000	520170.114	4069886.894	55.079484	1425.649	228.609432	51.513502	1615.732	25.043449
CLOT.	160.000	269.401155	0.000	520152.364	4069877.676	54.875965	1406.159	228.405913	51.291007	1596.527	24.820955
CLOT.	180.000	269.168657	0.000	520134.647	4069868.397	54.669800	1386.669	228.199748	51.065758	1577.323	24.595706
CLOT.	200.000	268.908727	0.000	520116.966	4069859.050	54.461267	1367.176	227.991214	50.837991	1558.118	24.367939
CLOT.	220.000	268.621367	0.000	520099.325	4069849.627	54.250659	1347.679	227.780607	50.607954	1538.908	24.137902
CLOT.	240.000	268.306576	0.000	520081.729	4069840.120	54.038287	1328.175	227.568235	50.375907	1519.692	23.905855
CLOT.	260.000	267.964355	0.000	520064.182	4069830.523	53.824481	1308.663	227.354428	50.142124	1500.468	23.672071
CLOT.	280.000	267.594703	0.000	520046.689	4069820.828	53.609589	1289.142	227.139537	49.906891	1481.234	23.436838
CLOT.	300.000	267.197620	0.000	520029.254	4069811.028	53.393984	1269.608	226.923932	49.670512	1461.986	23.200459

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489
 Distancia: 208.224 Azimut: 226.470053
 BO : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 1773.497 Dis= -33.412 K : 0.999604449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	320.000	266.773107	0.000	520011.884	4069801.115	53.178060	1250.062	226.708007	49.433305	1442.724	22.963253
CLOT.	340.000	266.321163	0.000	519994.582	4069791.084	52.962237	1230.501	226.492185	49.195610	1423.445	22.725557
CLOT.	360.000	265.841789	0.000	519977.354	4069780.925	52.746964	1210.924	226.276911	48.957780	1404.147	22.487728
CIRC.	368.212	265.637009	0.000	519970.302	4069776.716	52.658840	1202.880	226.188788	48.860174	1396.217	22.390121
CIRC.	380.000	265.339748	0.000	519960.204	4069770.634	52.532704	1191.328	226.062651	48.720181	1384.828	22.250128
CIRC.	400.000	264.835395	0.000	519943.137	4069760.208	52.319707	1171.715	225.849655	48.482990	1365.487	22.012937
CIRC.	420.000	264.331042	0.000	519926.153	4069749.647	52.108045	1152.084	225.637992	48.246229	1346.125	21.776177
CIRC.	440.000	263.826688	0.000	519909.254	4069738.951	51.897788	1132.435	225.427736	48.009919	1326.742	21.539867
CIRC.	460.000	263.322335	0.000	519892.439	4069728.122	51.689013	1112.768	225.218960	47.774080	1307.338	21.304027
CIRC.	480.000	262.817982	0.000	519875.711	4069717.160	51.481799	1093.085	225.011747	47.538733	1287.913	21.068680
CIRC.	500.000	262.313629	0.000	519859.070	4069706.066	51.276236	1073.385	224.806183	47.303902	1268.469	20.833849
CIRC.	520.000	261.809276	0.000	519842.518	4069694.840	51.072416	1053.669	224.602363	47.069611	1249.005	20.599558
CIRC.	540.000	261.304923	0.000	519826.055	4069683.484	50.870441	1033.937	224.400388	46.835887	1229.521	20.365834
CIRC.	560.000	260.800570	0.000	519809.682	4069671.997	50.670420	1014.190	224.200368	46.602757	1210.018	20.132704
CIRC.	580.000	260.296216	0.000	519793.401	4069660.381	50.472472	994.427	224.002419	46.370251	1190.496	19.900199
CIRC.	600.000	259.791863	0.000	519777.213	4069648.637	50.276723	974.650	223.806671	46.138402	1170.956	19.668350
CIRC.	620.000	259.287510	0.000	519761.118	4069636.764	50.083313	954.858	223.613261	45.907243	1151.397	19.437191

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489
 Distancia: 208.224 Azimut: 226.470053
 BO : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 1773.497 Dis= -33.412 K : 0.999604449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	640.000	258.783157	0.000	519745.118	4069624.765	49.892392	935.051	223.422339	45.676811	1131.821	19.206759
CIRC.	660.000	258.278804	0.000	519729.213	4069612.639	49.704122	915.231	223.234070	45.447145	1112.227	18.977092
CIRC.	680.000	257.774451	0.000	519713.405	4069600.388	49.518683	895.398	223.048631	45.218286	1092.615	18.748234
CIRC.	700.000	257.270097	0.000	519697.694	4069588.011	49.336269	875.552	222.866216	44.990281	1072.987	18.520228
CIRC.	720.000	256.765744	0.000	519682.082	4069575.511	49.157091	855.693	222.687038	44.763176	1053.342	18.293123
CIRC.	740.000	256.261391	0.000	519666.569	4069562.887	48.981383	835.822	222.511331	44.537025	1033.680	18.066972
CIRC.	760.000	255.757038	0.000	519651.157	4069550.141	48.809401	815.938	222.339349	44.311883	1014.003	17.841830
CIRC.	780.000	255.252685	0.000	519635.847	4069537.273	48.641427	796.044	222.171374	44.087812	994.309	17.617759
CIRC.	800.000	254.748332	0.000	519620.639	4069524.284	48.477770	776.138	222.007718	43.864877	974.601	17.394825
CIRC.	820.000	254.243978	0.000	519605.534	4069511.175	48.318775	756.222	221.848722	43.643150	954.877	17.173097
CIRC.	840.000	253.739625	0.000	519590.533	4069497.947	48.164822	736.296	221.694769	43.422707	935.139	16.952655
CIRC.	860.000	253.235272	0.000	519575.638	4069484.601	48.016334	716.360	221.546282	43.203634	915.386	16.733582
CIRC.	880.000	252.730919	0.000	519560.849	4069471.136	47.873785	696.415	221.403732	42.986022	895.619	16.515969
CIRC.	900.000	252.226566	0.000	519546.167	4069457.555	47.737701	676.461	221.267649	42.769970	875.838	16.299917
CIRC.	920.000	251.722213	0.000	519531.593	4069443.859	47.608676	656.498	221.138624	42.555588	856.044	16.085535
CIRC.	940.000	251.217860	0.000	519517.128	4069430.047	47.487377	636.528	221.017325	42.342996	836.236	15.872943
CIRC.	960.000	250.713506	0.000	519502.773	4069416.121	47.374558	616.551	220.904505	42.132325	816.416	15.662273

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489
 Distancia: 208.224 Azimut: 226.470053
 BO : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 1773.497 Dis= -33.412 K : 0.999604449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	980.000	250.209153	0.000	519488.529	4069402.082	47.271074	596.568	220.801021	41.923721	796.583	15.453668
CIRC.	1000.000	249.704800	0.000	519474.397	4069387.930	47.177898	576.578	220.707845	41.717342	776.739	15.247290
CIRC.	1020.000	249.200447	0.000	519460.377	4069373.667	47.096144	556.584	220.626091	41.513366	756.882	15.043313
CIRC.	1040.000	248.696094	0.000	519446.470	4069359.293	47.027093	536.585	220.557040	41.311987	737.014	14.841935
CIRC.	1060.000	248.191741	0.000	519432.678	4069344.810	46.972222	516.582	220.502169	41.113424	717.135	14.643372
CIRC.	1080.000	247.687387	0.000	519419.001	4069330.217	46.933248	496.577	220.463195	40.917919	697.246	14.447866
CIRC.	1100.000	247.183034	0.000	519405.440	4069315.517	46.912174	476.569	220.442121	40.725743	677.346	14.255690
CIRC.	1120.000	246.678681	0.000	519391.996	4069300.710	46.911355	456.561	220.441302	40.537200	657.436	14.067148
CIRC.	1140.000	246.174328	0.000	519378.669	4069285.797	46.933576	436.554	220.463524	40.352633	637.516	13.882580
CIRC.	1160.000	245.669975	0.000	519365.461	4069270.778	46.982155	416.549	220.512103	40.172428	617.587	13.702376
CIRC.	1180.000	245.165622	0.000	519352.373	4069255.656	47.061077	396.547	220.591025	39.997024	597.649	13.526972
CLOT.	1192.286	244.855804	0.000	519344.392	4069246.315	47.126646	384.263	220.656594	39.891869	585.398	13.421816
CLOT.	1200.000	244.663923	0.000	519339.405	4069240.430	47.175151	376.552	220.705098	39.826909	577.703	13.356856
CLOT.	1220.000	244.191179	0.000	519326.554	4069225.105	47.329446	356.563	220.859393	39.662122	557.749	13.192069
CLOT.	1240.000	243.754124	0.000	519313.813	4069209.689	47.529071	336.585	221.059018	39.501986	537.789	13.031933
CLOT.	1260.000	243.352756	0.000	519301.173	4069194.189	47.780325	316.619	221.310273	39.345664	517.823	12.875612
CLOT.	1280.000	242.987077	0.000	519288.628	4069178.613	48.091191	296.667	221.621139	39.192185	497.853	12.722133

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489
 Distancia: 208.224 Azimut: 226.470053
 BO : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 1773.497 Dis= -33.412 K : 0.999604449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1300.000	242.657085	0.000	519276.167	4069162.969	48.471932	276.733	222.001880	39.040415	477.879	12.570363
CLOT.	1320.000	242.362782	0.000	519263.784	4069147.264	48.935967	256.819	222.465914	38.889020	457.902	12.418967
CLOT.	1340.000	242.104167	0.000	519251.468	4069131.506	49.501177	236.932	223.031125	38.736424	437.923	12.266371
CLOT.	1360.000	241.881239	0.000	519239.213	4069115.701	50.191917	217.076	223.721865	38.580748	417.942	12.110695
CLOT.	1380.000	241.694000	0.000	519227.008	4069099.856	51.042211	197.259	224.572158	38.419736	397.961	11.949684
CLOT.	1400.000	241.542449	0.000	519214.846	4069083.979	52.101023	177.495	225.630970	38.250656	377.979	11.780604
CLOT.	1420.000	241.426586	0.000	519202.717	4069068.077	53.441362	157.800	226.971309	38.070165	357.999	11.600112
CLOT.	1440.000	241.346411	0.000	519190.612	4069052.156	55.176819	138.201	228.706767	37.874130	338.020	11.404078
CLOT.	1460.000	241.301925	0.000	519178.523	4069036.223	57.493567	118.744	231.023515	37.657383	318.043	11.187330
CLOT.	1474.931	241.291980	0.000	519169.503	4069024.325	59.787642	104.356	233.317589	37.478222	303.132	11.008170
CLOT.	1480.000	241.294894	0.000	519166.441	4069020.285	60.717004	99.508	234.246952	37.413360	298.070	10.943307
CLOT.	1500.000	241.363244	0.000	519154.352	4069004.352	65.459303	80.645	238.989250	37.132366	278.102	10.662313
CLOT.	1520.000	241.522311	0.000	519142.234	4068988.441	72.988618	62.481	246.518565	36.799118	258.144	10.329065
CLOT.	1540.000	241.772094	0.000	519130.066	4068972.569	86.221190	45.837	259.751137	36.392918	238.198	9.922865
CLOT.	1560.000	242.112594	0.000	519117.824	4068956.753	111.573813	33.066	285.103761	35.885561	218.273	9.415509
CLOT.	1580.000	242.543809	0.000	519105.486	4068941.012	152.349634	29.651	325.879581	35.237629	198.378	8.767576
CLOT.	1600.000	243.065741	0.000	519093.031	4068925.364	187.036975	38.169	360.566923	34.392373	178.526	7.922321

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 PROYECTO :
 EJE : 2 : Autovía A-7 sentido Málaga

pagina 59

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR07 X: 519085.316 Y: 4068962.729 Z: 49.646 PK: 1575.403 Dis= 29.284 K : 0.999604489
 Distancia: 208.224 Azimut: 226.470053
 BO : V-05 X: 519001.245 Y: 4068772.322 Z: 54.723 PK: 1773.497 Dis= -33.412 K : 0.999604449

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	1620.000	243.678389	0.000	519080.437	4068909.827	205.854302	53.148	379.384250	33.265206	158.742	6.795153
CLOT.	1640.000	244.381753	0.000	519067.684	4068894.421	216.082160	70.575	389.612107	31.724656	139.060	5.254604
CLOT.	1660.000	245.175834	0.000	519054.749	4068879.167	222.324673	89.013	395.854620	29.555842	119.540	3.085789
CIRC.	1662.070	245.263189	0.000	519053.400	4068877.597	222.834706	90.954	396.364653	29.282678	117.533	2.812626
CIRC.	1680.000	246.024175	0.000	519041.618	4068864.082	226.546751	107.935	0.076699	26.387505	100.288	399.917453
CIRC.	1700.000	246.873001	0.000	519028.286	4068849.173	229.629530	127.122	3.159477	21.539167	81.502	395.069114
CIRC.	1720.000	247.721827	0.000	519014.757	4068834.444	232.012699	146.467	5.542646	13.634863	63.599	387.164810
CIRC.	1740.000	248.570654	0.000	519001.033	4068819.896	233.937822	165.912	7.467770	399.716186	47.593	373.246133
CIRC.	1760.000	249.419480	0.000	518987.116	4068805.532	235.547626	185.422	9.077573	374.392216	36.105	347.922164
CIRC.	1780.000	250.268306	0.000	518973.009	4068791.356	236.931501	204.976	10.461448	337.759154	34.066	311.289101
CIRC.	1800.000	251.117133	0.000	518958.713	4068777.368	238.148148	224.559	11.678095	307.518383	42.847	281.048330
CIRC.	1820.000	251.965959	0.000	518944.233	4068763.573	239.237644	244.161	12.767591	290.306001	57.702	263.835948
CIRC.	1840.000	252.814785	0.000	518929.570	4068749.972	240.228256	263.775	13.758204	280.756672	75.108	254.286619
CIRC.	1849.715	253.227108	0.000	518922.383	4068743.436	240.680122	273.306	14.210070	277.647649	84.020	251.177596

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 PROYECTO :
 EJE : 3 : Glorieta 411 Norte

pagina 1

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 53.697 Dis= 4.191 K : 0.999604694
 Distancia: 329.349 Azimut: 241.842365
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 76.373 Dis= 322.591 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	320.000000	0.000	519557.537	4069567.082	62.064219	49.347	220.221854	44.448902	376.544	2.606537
CIRC.	20.000	274.527159	0.000	519537.978	4069566.241	42.652686	34.261	200.810320	41.918715	363.608	0.076350
CIRC.	40.000	229.054318	0.000	519523.750	4069552.792	30.802614	15.138	188.960249	41.359345	344.271	399.516980
CIRC.	60.000	183.581477	0.000	519521.811	4069533.311	155.597713	7.943	313.755348	43.349558	327.738	1.507193
CIRC.	80.000	138.108636	0.000	519533.107	4069517.321	159.331486	27.509	317.489121	47.067293	322.974	5.224928
CIRC.	100.000	92.635796	0.000	519552.116	4069512.640	141.199680	44.396	299.357315	50.360734	332.772	8.518369
CIRC.	120.000	47.162955	0.000	519569.546	4069521.555	120.732302	55.788	278.889937	51.432474	351.492	9.590109
CIRC.	140.000	1.690114	0.000	519576.875	4069539.709	99.669422	60.188	257.827057	50.043201	369.429	8.200836
CIRC.	160.000	356.217273	0.000	519570.520	4069558.227	78.570069	57.031	236.727704	47.081312	378.430	5.238946
CIRC.	175.929	320.000000	0.000	519557.537	4069567.082	62.064219	49.347	220.221854	44.448902	376.544	2.606537

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 PROYECTO :
 EJE : 3 : Glorieta 411 Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 76.373 Dis= 322.591 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 78.068 Dis= 149.042 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	320.000000	0.000	519557.537	4069567.082	44.448902	376.544	394.178604	39.468484	203.623	189.198186

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 78.068 Dis= 149.042 K : 0.999604657
 Distancia: 332.241 Azimut: 105.675963
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 122.507 Dis= 250.117 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	320.000000	0.000	519557.537	4069567.082	39.468484	203.623	333.792521	347.301041	288.706	41.625078
CIRC.	20.000	274.527159	0.000	519537.978	4069566.241	34.349644	192.190	328.673681	344.387279	302.864	38.711316
CIRC.	40.000	229.054318	0.000	519523.750	4069552.792	32.404126	173.416	326.728163	340.334202	305.756	34.658239
CIRC.	60.000	183.581477	0.000	519521.811	4069533.311	35.596824	155.648	329.920861	336.710306	296.262	31.034343
CIRC.	80.000	138.108636	0.000	519533.107	4069517.321	43.324977	149.180	337.649014	335.051212	278.162	29.375249
CIRC.	100.000	92.635796	0.000	519552.116	4069512.640	50.460169	158.501	344.784206	336.512623	259.573	30.836660
CIRC.	120.000	47.162955	0.000	519569.546	4069521.555	52.574943	177.278	346.898980	340.827123	250.341	35.151160
CIRC.	140.000	1.690114	0.000	519576.875	4069539.709	49.840410	195.159	344.164447	345.540563	256.032	39.864600
CIRC.	160.000	356.217273	0.000	519570.520	4069558.227	44.364857	204.563	338.688894	347.828275	273.158	42.152312
CIRC.	175.929	320.000000	0.000	519557.537	4069567.082	39.468484	203.623	333.792521	347.301041	288.706	41.625078

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 EJE : 3 : Glorieta 411 Norte

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 122.507 Dis= 250.117 K : 0.999604817
 Distancia: 471.509 Azimut: 27.485482
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 156.286 Dis= 464.332 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	320.000000	0.000	519557.537	4069567.082	347.301041	288.706	319.815559	267.103424	471.477	39.617942
CIRC.	20.000	274.527159	0.000	519537.978	4069566.241	344.387279	302.864	316.901797	268.266802	488.987	40.781320
CIRC.	40.000	229.054318	0.000	519523.750	4069552.792	340.334202	305.756	312.848720	267.638578	507.945	40.153096
CIRC.	60.000	183.581477	0.000	519521.811	4069533.311	336.710306	296.262	309.224824	265.667242	519.374	38.181760
CIRC.	80.000	138.108636	0.000	519533.107	4069517.321	335.051212	278.162	307.565730	263.267760	518.260	35.782278
CIRC.	100.000	92.635796	0.000	519552.116	4069512.640	336.512623	259.573	309.027141	261.465220	505.079	33.979738
CIRC.	120.000	47.162955	0.000	519569.546	4069521.555	340.827123	250.341	313.341641	261.126096	485.672	33.640614
CIRC.	140.000	1.690114	0.000	519576.875	4069539.709	345.540563	256.032	318.055081	262.574142	469.374	35.088660
CIRC.	160.000	356.217273	0.000	519570.520	4069558.227	347.828275	273.158	320.342793	265.169217	464.776	37.683735
CIRC.	175.929	320.000000	0.000	519557.537	4069567.082	347.301041	288.706	319.815559	267.103424	471.477	39.617942

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 EJE : 3 : Glorieta 411 Norte

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 156.286 Dis= 464.332 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 156.769 Dis= 332.482 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	320.000000	0.000	519557.537	4069567.082	267.103424	471.477	399.440308	266.885570	339.382	199.222454

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 PROYECTO :
 EJE : 3 : Glorieta 411 Norte

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 156.769 Dis= 332.482 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 158.181 Dis= 136.293 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	320.000000	0.000	519557.537	4069567.082	266.885570	339.382	0.639952	267.767137	142.755	201.521519
CIRC.	20.000	274.527159	0.000	519537.978	4069566.241	268.490251	356.893	2.244633	271.240487	160.515	204.994869
CIRC.	40.000	229.054318	0.000	519523.750	4069552.792	267.629954	375.843	1.384336	269.148357	179.290	202.902739
CIRC.	60.000	183.581477	0.000	519521.811	4069533.311	264.986683	387.359	398.741065	263.689055	190.787	197.443437
CIRC.	80.000	138.108636	0.000	519533.107	4069517.321	261.766835	386.580	395.521217	257.153342	190.918	190.907724
CIRC.	100.000	92.635796	0.000	519552.116	4069512.640	259.278027	373.823	393.032409	251.647570	179.639	185.401952
CIRC.	120.000	47.162955	0.000	519569.546	4069521.555	258.693974	354.525	392.448356	249.456432	160.948	183.210814
CIRC.	140.000	1.690114	0.000	519576.875	4069539.709	260.586155	337.858	394.340537	252.797158	143.054	186.551540
CIRC.	160.000	356.217273	0.000	519570.520	4069558.227	264.179545	332.816	397.933927	261.200689	136.418	194.955071
CIRC.	175.929	320.000000	0.000	519557.537	4069567.082	266.885570	339.382	0.639952	267.767137	142.755	201.521519

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 PROYECTO :
 EJE : 4 : Glorieta 411 Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 54.048 Dis= 72.407 K : 0.999604817
 Distancia: 471.509 Azimut: 27.485482
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 89.371 Dis= 470.986 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	130.000000	0.000	519656.987	4069369.504	298.679986	113.150	271.194504	239.766040	530.822	12.280558
CIRC.	20.000	87.558682	0.000	519676.433	4069366.805	296.574084	93.808	269.088602	237.648331	521.925	10.162849
CIRC.	40.000	45.117364	0.000	519693.383	4069376.709	304.029027	76.869	276.543545	236.568466	504.319	9.082984
CIRC.	60.000	2.676046	0.000	519700.581	4069394.973	320.451935	73.263	292.966453	237.078129	485.083	9.592647
CIRC.	80.000	360.234727	0.000	519694.942	4069413.778	332.407526	86.068	304.922044	239.106381	472.715	11.620899
CIRC.	100.000	317.793409	0.000	519678.883	4069425.070	333.633827	105.622	306.148345	241.749605	473.151	14.264123
CIRC.	120.000	275.352091	0.000	519659.280	4069424.014	328.014936	122.503	300.529454	243.700781	486.175	16.215299
CIRC.	140.000	232.910773	0.000	519644.527	4069411.061	319.273433	131.574	291.787951	244.104171	505.562	16.618689
CIRC.	160.000	190.469455	0.000	519640.943	4069391.760	309.739779	130.703	282.254297	242.938372	522.798	15.452890
CIRC.	180.000	148.028137	0.000	519650.061	4069374.374	301.339375	120.081	273.853893	240.781572	530.990	13.296090
CIRC.	188.496	130.000000	0.000	519656.987	4069369.504	298.679986	113.150	271.194504	239.766040	530.822	12.280558

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 PROYECTO :
 EJE : 4 : Glorieta 411 Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 89.371 Dis= 470.986 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 93.668 Dis= 354.846 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	130.000000	0.000	519656.987	4069369.504	239.766040	530.822	372.102924	231.141115	415.005	163.477999

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 PROYECTO :
 EJE : 4 : Glorieta 411 Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 93.668 Dis= 354.846 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 106.921 Dis= 210.337 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	130.000000	0.000	519656.987	4069369.504	231.141115	415.005	364.895497	206.030137	268.088	139.784519
CIRC.	20.000	87.558682	0.000	519676.433	4069366.805	228.267498	408.664	362.021880	201.393679	269.651	135.148062
CIRC.	40.000	45.117364	0.000	519693.383	4069376.709	226.474263	392.588	360.228645	197.291517	259.914	131.045899
CIRC.	60.000	2.676046	0.000	519700.581	4069394.973	226.609954	372.966	360.364336	195.195137	242.096	128.949519
CIRC.	80.000	360.234727	0.000	519694.942	4069413.778	228.883173	358.291	362.637555	196.396144	222.952	130.150526
CIRC.	100.000	317.793409	0.000	519678.883	4069425.070	232.355403	355.708	366.109786	201.039689	211.327	134.794071
CIRC.	120.000	275.352091	0.000	519659.280	4069424.014	235.242569	366.552	368.996951	206.886793	213.604	140.641176
CIRC.	140.000	232.910773	0.000	519644.527	4069411.061	236.191153	385.376	369.945535	210.587500	228.465	144.341882
CIRC.	160.000	190.469455	0.000	519640.943	4069391.760	235.028198	403.646	368.782580	210.674777	248.102	144.429160
CIRC.	180.000	148.028137	0.000	519650.061	4069374.374	232.433654	414.045	366.188037	207.804934	263.996	141.559316
CIRC.	188.496	130.000000	0.000	519656.987	4069369.504	231.141115	415.005	364.895497	206.030137	268.088	139.784519

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 PROYECTO :
 EJE : 4 : Glorieta 411 Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 106.921 Dis= 210.337 K : 0.999604774
 Distancia: 191.956 Azimut: 266.302878
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 133.030 Dis= 180.189 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	130.000000	0.000	519656.987	4069369.504	206.030137	268.088	339.727259	156.060425	220.408	89.757547
CIRC.	20.000	87.558682	0.000	519676.433	4069366.805	201.393679	269.651	335.090802	152.464327	235.250	86.161449
CIRC.	40.000	45.117364	0.000	519693.383	4069376.709	197.291517	259.914	330.988639	147.378174	240.263	81.075296
CIRC.	60.000	2.676046	0.000	519700.581	4069394.973	195.195137	242.096	328.892259	142.387195	233.900	76.084317
CIRC.	80.000	360.234727	0.000	519694.942	4069413.778	196.396144	222.952	330.093266	139.084976	218.138	72.782098
CIRC.	100.000	317.793409	0.000	519678.883	4069425.070	201.039689	211.327	334.736811	139.091992	198.498	72.789114
CIRC.	120.000	275.352091	0.000	519659.280	4069424.014	206.886793	213.604	340.583915	143.315332	183.483	77.012454
CIRC.	140.000	232.910773	0.000	519644.527	4069411.061	210.587500	228.465	344.284622	150.129065	181.199	83.826188
CIRC.	160.000	190.469455	0.000	519640.943	4069391.760	210.674777	248.102	344.371899	155.467284	193.028	89.164406
CIRC.	180.000	148.028137	0.000	519650.061	4069374.374	207.804934	263.996	341.502056	156.732627	212.251	90.429749
CIRC.	188.496	130.000000	0.000	519656.987	4069369.504	206.030137	268.088	339.727259	156.060425	220.408	89.757547

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 EJE : 4 : Glorieta 411 Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 133.030 Dis= 180.189 K : 0.999604694
 Distancia: 158.283 Azimut: 232.557281
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 154.836 Dis= 201.388 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	130.000000	0.000	519656.987	4069369.504	156.060425	220.408	323.503143	109.266749	220.124	76.709468
CIRC.	20.000	87.558682	0.000	519676.433	4069366.805	152.464327	235.250	319.907046	109.226825	239.763	76.669544
CIRC.	40.000	45.117364	0.000	519693.383	4069376.709	147.378174	240.263	314.820893	106.171587	255.406	73.614306
CIRC.	60.000	2.676046	0.000	519700.581	4069394.973	142.387195	233.900	309.829914	101.570263	261.486	69.012981
CIRC.	80.000	360.234727	0.000	519694.942	4069413.778	139.084976	218.138	306.527695	96.925161	256.065	64.367880
CIRC.	100.000	317.793409	0.000	519678.883	4069425.070	139.091992	198.498	306.534710	93.736626	240.866	61.179345
CIRC.	120.000	275.352091	0.000	519659.280	4069424.014	143.315332	183.483	310.758051	93.484955	221.248	60.927674
CIRC.	140.000	232.910773	0.000	519644.527	4069411.061	150.129065	181.199	317.571784	97.011753	205.558	64.454471
CIRC.	160.000	190.469455	0.000	519640.943	4069391.760	155.467284	193.028	322.910003	103.047225	201.977	70.489944
CIRC.	180.000	148.028137	0.000	519650.061	4069374.374	156.732627	212.251	324.175345	108.124116	212.596	75.566835
CIRC.	188.496	130.000000	0.000	519656.987	4069369.504	156.060425	220.408	323.503143	109.266749	220.124	76.709468

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 PROYECTO :
 EJE : 4 : Glorieta 411 Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 154.836 Dis= 201.388 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 165.095 Dis= 343.961 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	130.000000	0.000	519656.987	4069369.504	109.266749	220.124	258.996451	83.462353	353.405	33.192055
CIRC.	20.000	87.558682	0.000	519676.433	4069366.805	109.226825	239.763	258.956527	84.765521	371.589	34.495223
CIRC.	40.000	45.117364	0.000	519693.383	4069376.709	106.171587	255.406	255.901289	83.851489	390.452	33.581191
CIRC.	60.000	2.676046	0.000	519700.581	4069394.973	101.570263	261.486	251.299965	81.337964	402.321	31.067666
CIRC.	80.000	360.234727	0.000	519694.942	4069413.778	96.925161	256.065	246.654863	78.233027	402.836	27.962730
CIRC.	100.000	317.793409	0.000	519678.883	4069425.070	93.736626	240.866	243.466328	75.627908	391.816	25.357610
CIRC.	120.000	275.352091	0.000	519659.280	4069424.014	93.484955	221.248	243.214657	74.545664	373.284	24.275367
CIRC.	140.000	232.910773	0.000	519644.527	4069411.061	97.011753	205.558	246.741455	75.656770	354.699	25.386472
CIRC.	160.000	190.469455	0.000	519640.943	4069391.760	103.047225	201.977	252.776927	78.720644	344.566	28.450346
CIRC.	180.000	148.028137	0.000	519650.061	4069374.374	108.124116	212.596	257.853818	82.275370	348.020	32.005072
CIRC.	188.496	130.000000	0.000	519656.987	4069369.504	109.266749	220.124	258.996451	83.462353	353.405	33.192055

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 PROYECTO :
 EJE : 5 : Paso Inferior

pagina 1

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 0.000 Dis= 38.763 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 36.689 Dis=-157.146 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	143.043385	0.000	519555.378	4069536.670	104.482618	38.778	38.179741	257.645094	161.435	391.342216
RECTA	20.000	143.043385	0.000	519570.978	4069524.154	117.432394	56.389	51.129516	249.779111	158.092	383.476234
RECTA	40.000	143.043385	0.000	519586.578	4069511.639	124.075472	75.209	57.772595	241.702264	157.243	375.399387
RECTA	60.000	143.043385	0.000	519602.178	4069499.123	128.034081	94.518	61.731203	233.668141	158.928	367.365263
CLOT.	71.769	143.043385	0.000	519611.358	4069491.759	129.685939	106.001	63.383061	229.061284	161.077	362.758406
CLOT.	80.000	144.803881	0.000	519617.730	4069486.549	130.684666	114.053	64.381789	225.930644	163.142	359.627766
CIRC.	92.186	153.874763	0.000	519626.514	4069478.118	132.405635	125.794	66.102757	221.598508	167.794	355.295630
CIRC.	100.000	162.166187	0.000	519631.298	4069471.946	133.869845	133.018	67.566967	219.169005	172.149	352.866127
CLOT.	101.447	163.701451	0.000	519632.094	4069470.738	134.172288	134.319	67.869410	218.757498	173.071	352.454620
CLOT.	120.000	174.442583	0.000	519640.360	4069454.154	138.424892	150.244	72.122014	214.419598	186.979	348.116720
RECTA	121.864	174.532829	0.000	519641.086	4069452.437	138.844596	151.820	72.541718	214.050149	188.492	347.747271
RECTA	140.000	174.532829	0.000	519648.149	4069435.733	142.513822	167.465	76.210944	210.747746	203.525	344.444868
RECTA	160.000	174.532829	0.000	519655.938	4069417.312	145.829634	185.246	79.526756	207.636843	220.645	341.333965
RECTA	175.761	174.532829	0.000	519662.077	4069402.795	148.021933	199.556	81.719055	205.509162	234.459	339.206284

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 PROYECTO :
 EJE : 5 : Paso Inferior

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 36.689 Dis=-157.146 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 84.426 Dis=-341.813 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	143.043385	0.000	519555.378	4069536.670	257.645094	161.435	191.399476	262.368889	357.277	396.123271
RECTA	20.000	143.043385	0.000	519570.978	4069524.154	249.779111	158.092	183.533494	258.912235	351.815	392.666617
RECTA	40.000	143.043385	0.000	519586.578	4069511.639	241.702264	157.243	175.456647	255.357412	347.420	389.111794
RECTA	60.000	143.043385	0.000	519602.178	4069499.123	233.668141	158.928	167.422523	251.723174	344.135	385.477556
CLOT.	71.769	143.043385	0.000	519611.358	4069491.759	229.061284	161.077	162.815666	249.556146	342.733	383.310528
CLOT.	80.000	144.803881	0.000	519617.730	4069486.549	225.930644	163.142	159.685026	248.030180	342.066	381.784562
CIRC.	92.186	153.874763	0.000	519626.514	4069478.118	221.598508	167.794	155.352890	245.765300	342.410	379.519682
CIRC.	100.000	162.166187	0.000	519631.298	4069471.946	219.169005	172.149	152.923387	244.346119	343.990	378.100501
CLOT.	101.447	163.701451	0.000	519632.094	4069470.738	218.757498	173.071	152.511880	244.089883	344.410	377.844265
CLOT.	120.000	174.442583	0.000	519640.360	4069454.154	214.419598	186.979	148.173980	241.024465	352.306	374.778847
RECTA	121.864	174.532829	0.000	519641.086	4069452.437	214.050149	188.492	147.804531	240.733868	353.246	374.488250
RECTA	140.000	174.532829	0.000	519648.149	4069435.733	210.747746	203.525	144.502128	237.987320	362.770	371.741703
RECTA	160.000	174.532829	0.000	519655.938	4069417.312	207.636843	220.645	141.391225	235.126644	374.013	368.881026
RECTA	175.761	174.532829	0.000	519662.077	4069402.795	205.509162	234.459	139.263544	232.993734	383.376	366.748116

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 PROYECTO :
 EJE : 5 : Paso Inferior

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 84.426 Dis=-341.813 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 90.402 Dis=-468.681 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	143.043385	0.000	519555.378	4069536.670	262.368889	357.277	194.705773	263.797450	489.046	396.134334

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 PROYECTO :
 EJE : 5 : Paso Inferior

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 90.402 Dis=-468.681 K : 0.999604913
 Distancia: 471.508 Azimut: 227.485482
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 175.761 Dis=-112.338 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	143.043385	0.000	519555.378	4069536.670	263.797450	489.046	36.311968	341.682195	270.769	314.196713
RECTA	20.000	143.043385	0.000	519570.978	4069524.154	261.298611	483.010	33.813129	341.573598	250.766	314.088116
RECTA	40.000	143.043385	0.000	519586.578	4069511.639	258.740587	477.737	31.255105	341.446174	230.764	313.960692
RECTA	60.000	143.043385	0.000	519602.178	4069499.123	256.129784	473.251	28.644302	341.294565	210.763	313.809083
CLOT.	71.769	143.043385	0.000	519611.358	4069491.759	254.571748	470.989	27.086266	341.191109	198.994	313.705627
CLOT.	80.000	144.803881	0.000	519617.730	4069486.549	253.471988	469.651	25.986506	341.085854	190.766	313.600372
CIRC.	92.186	153.874763	0.000	519626.514	4069478.118	251.822787	468.895	24.337305	340.568324	178.679	313.082842
CIRC.	100.000	162.166187	0.000	519631.298	4069471.946	250.768969	469.719	23.283487	339.781751	171.172	312.296269
CLOT.	101.447	163.701451	0.000	519632.094	4069470.738	250.576472	469.996	23.090990	339.588731	169.820	312.103249
CLOT.	120.000	174.442583	0.000	519640.360	4069454.154	248.218099	476.047	20.732617	335.996197	153.678	308.510715
RECTA	121.864	174.532829	0.000	519641.086	4069452.437	247.990088	476.798	20.504606	335.552601	152.148	308.067119
RECTA	140.000	174.532829	0.000	519648.149	4069435.733	245.809558	484.430	18.324076	330.726731	137.696	303.241249
RECTA	160.000	174.532829	0.000	519655.938	4069417.312	243.486202	493.483	16.000720	324.132996	122.900	296.647514
RECTA	175.761	174.532829	0.000	519662.077	4069402.795	241.716194	501.064	14.230712	317.766999	112.382	290.281517

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GRUPO 1

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

pagina 1

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 0.000 Dis= 94.640 K : 0.999604817
 Distancia: 332.241 Azimut: 305.675963
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 35.164 Dis=-239.079 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	390.122642	0.000	519680.919	4069403.618	321.793569	94.678	16.117606	99.420844	241.748	393.744881
RECTA	20.000	390.122642	0.000	519677.829	4069423.378	332.433014	105.699	26.757051	94.156528	239.655	388.480565
CLOT.	34.837	390.122642	0.000	519675.536	4069438.037	338.886901	115.446	33.210938	90.211190	239.174	384.535227
CLOT.	40.000	390.462067	0.000	519674.747	4069443.139	340.880794	119.078	35.204831	88.836569	239.232	383.160606
CLOT.	60.000	398.184609	0.000	519672.702	4069463.022	347.909480	133.442	42.233517	83.573846	241.512	377.897883
CIRC.	76.503	12.227495	0.000	519673.898	4069479.448	353.566976	144.370	47.891013	79.560400	247.354	373.884437
CIRC.	80.000	15.937406	0.000	519674.665	4069482.859	354.804381	146.431	49.128418	78.795023	249.176	373.119060
CLOT.	86.656	22.999280	0.000	519676.668	4069489.203	357.204631	150.044	51.528668	77.451732	253.201	371.775769
CLOT.	100.000	34.890790	0.000	519682.591	4069501.139	362.130823	156.165	56.454860	75.238200	263.059	369.562237
CLOT.	120.000	44.222274	0.000	519694.438	4069517.229	369.461839	163.941	63.785875	72.875868	280.323	367.199905
RECTA	128.322	45.104134	0.000	519699.824	4069523.574	372.397060	167.262	66.721097	72.090206	287.875	366.414243
RECTA	140.000	45.104134	0.000	519707.423	4069532.441	376.321995	172.446	70.646032	71.065576	298.562	365.389613
RECTA	160.000	45.104134	0.000	519720.437	4069547.628	382.481023	182.723	76.805060	69.471999	317.028	363.796036
CLOT.	163.608	45.104134	0.000	519722.785	4069550.368	383.516642	184.748	77.840679	69.204100	320.380	363.528137
CLOT.	180.000	45.317949	0.000	519733.464	4069562.803	387.943003	194.507	82.267040	68.057887	335.678	362.381924
CLOT.	200.000	46.158023	0.000	519746.616	4069577.870	392.784272	207.434	87.108309	66.821029	354.530	361.145066
CLOT.	220.000	47.634717	0.000	519760.040	4069592.695	397.111177	221.161	91.435214	65.768617	373.611	360.092654

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 0.000 Dis= 94.640 K : 0.999604817
 Distancia: 332.241 Azimut: 305.675963
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 35.164 Dis=-239.079 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	49.748031	0.000	519773.875	4069607.136	1.030096	235.411	95.354133	64.906857	392.934	359.230894
CIRC.	243.608	50.197092	0.000	519776.426	4069609.689	1.701350	238.019	96.025387	64.772106	396.446	359.096143
CIRC.	260.000	52.284149	0.000	519788.240	4069621.051	4.633962	249.962	98.957999	64.238230	412.489	358.562267
CIRC.	280.000	54.830628	0.000	519803.148	4069634.380	7.979721	264.712	102.303758	63.746156	432.227	358.070193
CIRC.	300.000	57.377107	0.000	519818.578	4069647.103	11.105684	279.606	105.429721	63.408773	452.096	357.732810
CLOT.	300.037	57.381864	0.000	519818.608	4069647.126	11.111339	279.634	105.435376	63.408275	452.134	357.732312
CLOT.	320.000	59.606465	0.000	519834.485	4069659.225	14.038191	294.623	108.362228	63.202824	472.047	357.526861
CLOT.	340.000	61.199203	0.000	519850.749	4069670.864	16.777854	309.831	111.101891	63.091161	492.037	357.415198
CLOT.	360.000	62.155322	0.000	519867.242	4069682.175	19.319150	325.314	113.643187	63.037991	512.040	357.362028
CIRC.	364.037	62.271104	0.000	519870.589	4069684.433	19.807587	328.479	114.131624	63.031553	516.079	357.355590
CIRC.	380.000	62.677589	0.000	519883.858	4069693.307	21.658909	341.138	115.982946	63.014829	532.047	357.338866
CIRC.	384.037	62.780400	0.000	519887.223	4069695.538	22.107875	344.374	116.431912	63.012676	536.086	357.336713

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 35.164 Dis=-239.079 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 84.128 Dis=-167.575 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	390.122642	0.000	519680.919	4069403.618	99.420844	241.748	66.863563	143.984753	213.157	311.427471
RECTA	20.000	390.122642	0.000	519677.829	4069423.378	94.156528	239.655	61.599247	139.730237	198.621	307.172955
CLOT.	34.837	390.122642	0.000	519675.536	4069438.037	90.211190	239.174	57.653908	136.161747	188.487	303.604465
CLOT.	40.000	390.462067	0.000	519674.747	4069443.139	88.836569	239.232	56.279288	134.827839	185.116	302.270557
CLOT.	60.000	398.184609	0.000	519672.702	4069463.022	83.573846	241.512	51.016565	128.985561	173.753	296.428280
CIRC.	76.503	12.227495	0.000	519673.898	4069479.448	79.560400	247.354	47.003118	123.195694	168.297	290.638412
CIRC.	80.000	15.937406	0.000	519674.665	4069482.859	78.795023	249.176	46.237741	121.882555	167.834	289.325273
CLOT.	86.656	22.999280	0.000	519676.668	4069489.203	77.451732	253.201	44.894451	119.357602	167.714	286.800320
CLOT.	100.000	34.890790	0.000	519682.591	4069501.139	75.238200	263.059	42.680919	114.430542	170.302	281.873261
CLOT.	120.000	44.222274	0.000	519694.438	4069517.229	72.875868	280.323	40.318587	107.899701	179.175	275.342419
RECTA	128.322	45.104134	0.000	519699.824	4069523.574	72.090206	287.875	39.532924	105.487594	183.868	272.930313
RECTA	140.000	45.104134	0.000	519707.423	4069532.441	71.065576	298.562	38.508294	102.320978	190.914	269.763697
RECTA	160.000	45.104134	0.000	519720.437	4069547.628	69.471999	317.028	36.914717	97.429357	203.973	264.872076
CLOT.	163.608	45.104134	0.000	519722.785	4069550.368	69.204100	320.380	36.646819	96.614018	206.447	264.056737
CLOT.	180.000	45.317949	0.000	519733.464	4069562.803	68.057887	335.678	35.500606	93.152111	218.100	260.594829
CLOT.	200.000	46.158023	0.000	519746.616	4069577.870	66.821029	354.530	34.263748	89.444395	233.194	256.887114
CLOT.	220.000	47.634717	0.000	519760.040	4069592.695	65.768617	373.611	33.211335	86.272342	249.196	253.715060

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 35.164 Dis=-239.079 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 84.128 Dis=-167.575 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	49.748031	0.000	519773.875	4069607.136	64.906857	392.934	32.349575	83.603371	266.042	251.046089
CIRC.	243.608	50.197092	0.000	519776.426	4069609.689	64.772106	396.446	32.214824	83.173020	269.165	250.615738
CIRC.	260.000	52.284149	0.000	519788.240	4069621.051	64.238230	412.489	31.680949	81.403273	283.652	248.845991
CIRC.	280.000	54.830628	0.000	519803.148	4069634.380	63.746156	432.227	31.188874	79.615971	301.894	247.058689
CIRC.	300.000	57.377107	0.000	519818.578	4069647.103	63.408773	452.096	30.851491	78.181889	320.633	245.624608
CLOT.	300.037	57.381864	0.000	519818.608	4069647.126	63.408275	452.134	30.850993	78.179508	320.669	245.622226
CLOT.	320.000	59.606465	0.000	519834.485	4069659.225	63.202824	472.047	30.645542	77.043711	339.750	244.486430
CLOT.	340.000	61.199203	0.000	519850.749	4069670.864	63.091161	492.037	30.533880	76.129954	359.119	243.572673
CLOT.	360.000	62.155322	0.000	519867.242	4069682.175	63.037991	512.040	30.480709	75.375525	378.644	242.818243
CIRC.	364.037	62.271104	0.000	519870.589	4069684.433	63.031553	516.079	30.474271	75.237585	382.598	242.680303
CIRC.	380.000	62.677589	0.000	519883.858	4069693.307	63.014829	532.047	30.457548	74.729236	398.260	242.171954
CIRC.	384.037	62.780400	0.000	519887.223	4069695.538	63.012676	536.086	30.455394	74.609448	402.228	242.052167

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 EJE : 6 : Ramal Aceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 84.128 Dis=-167.575 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 201.010 Dis= -86.853 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	390.122642	0.000	519680.919	4069403.618	143.984753	213.157	77.681875	200.386829	232.763	334.083951
RECTA	20.000	390.122642	0.000	519677.829	4069423.378	139.730237	198.621	73.427359	201.346673	213.039	335.043796
CLOT.	34.837	390.122642	0.000	519675.536	4069438.037	136.161747	188.487	69.858869	202.181864	198.443	335.878986
CLOT.	40.000	390.462067	0.000	519674.747	4069443.139	134.827839	185.116	68.524961	202.499092	193.371	336.196214
CLOT.	60.000	398.184609	0.000	519672.702	4069463.022	128.985561	173.753	62.682683	203.535141	173.599	337.232263
CIRC.	76.503	12.227495	0.000	519673.898	4069479.448	123.195694	168.297	56.892816	203.420589	157.126	337.117712
CIRC.	80.000	15.937406	0.000	519674.665	4069482.859	121.882555	167.834	55.579677	203.179080	153.678	336.876202
CLOT.	86.656	22.999280	0.000	519676.668	4069489.203	119.357602	167.714	53.054724	202.450885	147.250	336.148007
CLOT.	100.000	34.890790	0.000	519682.591	4069501.139	114.430542	170.302	48.127664	199.878669	135.200	333.575791
CLOT.	120.000	44.222274	0.000	519694.438	4069517.229	107.899701	179.175	41.596823	193.549166	119.717	327.246288
RECTA	128.322	45.104134	0.000	519699.824	4069523.574	105.487594	183.868	39.184717	190.198697	114.106	323.895819
RECTA	140.000	45.104134	0.000	519707.423	4069532.441	102.320978	190.914	36.018100	184.907806	106.874	318.604928
RECTA	160.000	45.104134	0.000	519720.437	4069547.628	97.429357	203.973	31.126479	174.158456	96.537	307.855578
CLOT.	163.608	45.104134	0.000	519722.785	4069550.368	96.614018	206.447	30.311140	171.986674	95.001	305.683796
CLOT.	180.000	45.317949	0.000	519733.464	4069562.803	93.152111	218.100	26.849233	161.298352	89.557	294.995475
CLOT.	200.000	46.158023	0.000	519746.616	4069577.870	89.444395	233.194	23.141517	146.957568	86.894	280.654690
CLOT.	220.000	47.634717	0.000	519760.040	4069592.695	86.272342	249.196	19.969464	132.544702	89.133	266.241824

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 84.128 Dis=-167.575 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 201.010 Dis= -86.853 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	49.748031	0.000	519773.875	4069607.136	83.603371	266.042	17.300493	119.624936	96.109	253.322058
CIRC.	243.608	50.197092	0.000	519776.426	4069609.689	83.173020	269.165	16.870142	117.537169	97.818	251.234291
CIRC.	260.000	52.284149	0.000	519788.240	4069621.051	81.403273	283.652	15.100395	109.095047	107.039	242.792169
CIRC.	280.000	54.830628	0.000	519803.148	4069634.380	79.615971	301.894	13.313093	101.003601	120.878	234.700723
CIRC.	300.000	57.377107	0.000	519818.578	4069647.103	78.181889	320.633	11.879011	94.955902	136.728	228.653024
CLOT.	300.037	57.381864	0.000	519818.608	4069647.126	78.179508	320.669	11.876630	94.946220	136.759	228.643342
CLOT.	320.000	59.606465	0.000	519834.485	4069659.225	77.043711	339.750	10.740833	90.473611	153.932	224.170733
CLOT.	340.000	61.199203	0.000	519850.749	4069670.864	76.129954	359.119	9.827076	87.108216	171.997	220.805338
CLOT.	360.000	62.155322	0.000	519867.242	4069682.175	75.375525	378.644	9.072647	84.513438	190.594	218.210560
CIRC.	364.037	62.271104	0.000	519870.589	4069684.433	75.237585	382.598	8.934707	84.059556	194.393	217.756678
CIRC.	380.000	62.677589	0.000	519883.858	4069693.307	74.729236	398.260	8.426358	82.445570	209.520	216.142692
CIRC.	384.037	62.780400	0.000	519887.223	4069695.538	74.609448	402.228	8.306570	82.078284	213.370	215.775406

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 201.010 Dis= -86.853 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 376.908 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	390.122642	0.000	519680.919	4069403.618	200.386829	232.763	134.141211	230.272636	373.664	364.027018
RECTA	20.000	390.122642	0.000	519677.829	4069423.378	201.346673	213.039	135.101056	232.372857	357.700	366.127239
CLOT.	34.837	390.122642	0.000	519675.536	4069438.037	202.181864	198.443	135.936246	234.054725	346.129	367.809107
CLOT.	40.000	390.462067	0.000	519674.747	4069443.139	202.499092	193.371	136.253474	234.665221	342.155	368.419603
CLOT.	60.000	398.184609	0.000	519672.702	4069463.022	203.535141	173.599	137.289523	237.016526	326.424	370.770908
CIRC.	76.503	12.227495	0.000	519673.898	4069479.448	203.420589	157.126	137.174972	238.653574	312.138	372.407957
CIRC.	80.000	15.937406	0.000	519674.665	4069482.859	203.179080	153.678	136.933462	238.924916	308.900	372.679298
CLOT.	86.656	22.999280	0.000	519676.668	4069489.203	202.450885	147.250	136.205267	239.346239	302.560	373.100621
CLOT.	100.000	34.890790	0.000	519682.591	4069501.139	199.878669	135.200	133.633051	239.806012	289.403	373.560394
CLOT.	120.000	44.222274	0.000	519694.438	4069517.229	193.549166	119.717	127.303548	239.761521	269.414	373.515903
RECTA	128.322	45.104134	0.000	519699.824	4069523.574	190.198697	114.106	123.953079	239.600715	261.115	373.355097
RECTA	140.000	45.104134	0.000	519707.423	4069532.441	184.907806	106.874	118.662188	239.343328	249.479	373.097710
RECTA	160.000	45.104134	0.000	519720.437	4069547.628	174.158456	96.537	107.912838	238.841909	229.560	372.596291
CLOT.	163.608	45.104134	0.000	519722.785	4069550.368	171.986674	95.001	105.741056	238.742034	225.968	372.496417
CLOT.	180.000	45.317949	0.000	519733.464	4069562.803	161.298352	89.557	95.052735	238.239710	209.660	371.994092
CLOT.	200.000	46.158023	0.000	519746.616	4069577.870	146.957568	86.894	80.711950	237.456653	189.803	371.211035
CLOT.	220.000	47.634717	0.000	519760.040	4069592.695	132.544702	89.133	66.299084	236.356119	170.038	370.110501

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 201.010 Dis= -86.853 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 376.908 Dis= -52.984 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CLOT.	240.000	49.748031	0.000	519773.875	4069607.136	119.624936	96.109	53.379318	234.732771	150.451	368.487153
CIRC.	243.608	50.197092	0.000	519776.426	4069609.689	117.537169	97.818	51.291551	234.362014	146.947	368.116396
CIRC.	260.000	52.284149	0.000	519788.240	4069621.051	109.095047	107.039	42.849429	232.276656	131.193	366.031038
CIRC.	280.000	54.830628	0.000	519803.148	4069634.380	101.003601	120.878	34.757983	228.559663	112.485	362.314045
CIRC.	300.000	57.377107	0.000	519818.578	4069647.103	94.955902	136.728	28.710284	222.912739	94.695	356.667122
CLOT.	300.037	57.381864	0.000	519818.608	4069647.126	94.946220	136.759	28.700602	222.899787	94.663	356.654169
CLOT.	320.000	59.606465	0.000	519834.485	4069659.225	90.473611	153.932	24.227993	214.267543	78.463	348.021925
CLOT.	340.000	61.199203	0.000	519850.749	4069670.864	87.108216	171.997	20.862598	201.146063	64.867	334.900445
CLOT.	360.000	62.155322	0.000	519867.242	4069682.175	84.513438	190.594	18.267820	182.244293	55.693	315.998675
CIRC.	364.037	62.271104	0.000	519870.589	4069684.433	84.059556	194.393	17.813938	177.760670	54.578	311.515052
CIRC.	380.000	62.677589	0.000	519883.858	4069693.307	82.445570	209.520	16.199952	158.888359	53.097	292.642742
CIRC.	384.037	62.780400	0.000	519887.223	4069695.538	82.078284	213.370	15.832667	154.085746	53.492	287.840128

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 376.908 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 384.037 Dis=-131.557 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	390.122642	0.000	519680.919	4069403.618	230.272636	373.664	162.609520	239.836025	489.138	372.172910
RECTA	20.000	390.122642	0.000	519677.829	4069423.378	232.372857	357.700	164.709741	241.723359	475.136	374.060243
CLOT.	34.837	390.122642	0.000	519675.536	4069438.037	234.054725	346.129	166.391609	243.195955	465.032	375.532839
CLOT.	40.000	390.462067	0.000	519674.747	4069443.139	234.665221	342.155	167.002105	243.722583	461.569	376.059467
CLOT.	60.000	398.184609	0.000	519672.702	4069463.022	237.016526	326.424	169.353410	245.741207	447.710	378.078091
CIRC.	76.503	12.227495	0.000	519673.898	4069479.448	238.653574	312.138	170.990458	247.193691	434.665	379.530575
CIRC.	80.000	15.937406	0.000	519674.665	4069482.859	238.924916	308.900	171.261800	247.450048	431.634	379.786932
CLOT.	86.656	22.999280	0.000	519676.668	4069489.203	239.346239	302.560	171.683123	247.873613	425.621	380.210497
CLOT.	100.000	34.890790	0.000	519682.591	4069501.139	239.806012	289.403	172.142896	248.464112	412.871	380.800996
CLOT.	120.000	44.222274	0.000	519694.438	4069517.229	239.761521	269.414	172.098405	248.872857	393.049	381.209741
RECTA	128.322	45.104134	0.000	519699.824	4069523.574	239.600715	261.115	171.937599	248.960712	384.741	381.297596
RECTA	140.000	45.104134	0.000	519707.423	4069532.441	239.343328	249.479	171.680212	249.081399	373.081	381.418283
RECTA	160.000	45.104134	0.000	519720.437	4069547.628	238.841909	229.560	171.178793	249.306610	353.114	381.643494
CLOT.	163.608	45.104134	0.000	519722.785	4069550.368	238.742034	225.968	171.078919	249.349981	349.512	381.686865
CLOT.	180.000	45.317949	0.000	519733.464	4069562.803	238.239710	209.660	170.576594	249.555313	333.151	381.892197
CLOT.	200.000	46.158023	0.000	519746.616	4069577.870	237.456653	189.803	169.793537	249.802422	313.182	382.139306
CLOT.	220.000	47.634717	0.000	519760.040	4069592.695	236.356119	170.038	168.693003	250.004275	293.198	382.341159

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 PROYECTO :
 EJE : 6 : Ramal Aceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 376.908 Dis= -52.984 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 384.037 Dis=-131.557 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	240.000	49.748031	0.000	519773.875	4069607.136	234.732771	150.451	167.069655	250.104300	273.196	382.441184
CIRC.	243.608	50.197092	0.000	519776.426	4069609.689	234.362014	146.947	166.698898	250.106087	269.586	382.442971
CIRC.	260.000	52.284149	0.000	519788.240	4069621.051	232.276656	131.193	164.613540	250.032615	253.192	382.369499
CIRC.	280.000	54.830628	0.000	519803.148	4069634.380	228.559663	112.485	160.896547	249.730397	233.218	382.067281
CIRC.	300.000	57.377107	0.000	519818.578	4069647.103	222.912739	94.695	155.249623	249.133644	213.321	381.470528
CLOT.	300.037	57.381864	0.000	519818.608	4069647.126	222.899787	94.663	155.236671	249.132203	213.284	381.469087
CLOT.	320.000	59.606465	0.000	519834.485	4069659.225	214.267543	78.463	146.604427	248.164355	193.555	380.501239
CLOT.	340.000	61.199203	0.000	519850.749	4069670.864	201.146063	64.867	133.482947	246.759356	173.962	379.096240
CLOT.	360.000	62.155322	0.000	519867.242	4069682.175	182.244293	55.693	114.581177	244.839083	154.575	377.175967
CIRC.	364.037	62.271104	0.000	519870.589	4069684.433	177.760670	54.578	110.097554	244.379101	150.690	376.715985
CIRC.	380.000	62.677589	0.000	519883.858	4069693.307	158.888359	53.097	91.225244	242.273758	135.436	374.610642
CIRC.	384.037	62.780400	0.000	519887.223	4069695.538	154.085746	53.492	86.422630	241.656745	131.609	373.993629

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 0.000 Dis= -55.992 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 188.754 Dis= -78.492 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	41.669513	0.000	519243.156	4069081.104	135.860083	56.014	96.391367	222.357628	210.592	382.888912
CLOT.	14.036	41.762104	0.000	519251.710	4069092.233	120.623743	58.985	81.155027	221.000507	197.239	381.531791
CLOT.	20.000	41.822843	0.000	519255.349	4069096.958	114.748549	61.192	75.279833	220.364632	191.598	380.895916
CLOT.	40.000	42.338998	0.000	519267.617	4069112.753	98.448010	71.852	58.979294	217.903397	172.868	378.434681
CLOT.	60.000	43.336528	0.000	519280.072	4069128.401	87.036202	86.069	47.567486	214.761048	154.559	375.292332
CLOT.	80.000	44.815435	0.000	519292.829	4069143.804	79.243349	102.450	39.774633	210.629472	136.918	371.160756
CIRC.	96.722	46.421412	0.000	519303.806	4069156.417	74.656667	117.199	35.187951	206.104958	122.960	366.636242
CIRC.	100.000	46.769251	0.000	519305.997	4069158.856	73.915396	120.173	34.446680	205.074322	120.337	365.605606
CLOT.	108.400	47.660480	0.000	519311.671	4069165.049	72.211887	127.893	32.743171	202.184692	113.827	362.715976
CLOT.	120.000	48.810345	0.000	519319.645	4069173.475	70.254370	138.751	30.785654	197.540342	105.410	358.071626
CLOT.	140.000	50.412516	0.000	519333.709	4069187.694	67.687599	157.848	28.218883	187.487149	92.895	348.018433
CLOT.	160.000	51.533311	0.000	519348.074	4069201.609	65.826579	177.249	26.357863	174.620243	83.754	335.151527
CLOT.	180.000	52.172730	0.000	519362.631	4069215.324	64.421391	196.828	24.952675	159.371542	79.018	319.902826
RECTA	196.566	52.337867	0.000	519374.757	4069226.611	63.483150	213.123	24.014434	145.986199	78.914	306.517483
RECTA	200.000	52.337867	0.000	519377.273	4069228.948	63.307223	216.507	23.838507	143.242437	79.330	303.773721
RECTA	220.000	52.337867	0.000	519391.925	4069242.561	62.382764	236.243	22.914048	128.187740	84.531	288.719024
RECTA	240.000	52.337867	0.000	519406.576	4069256.175	61.600997	256.022	22.132281	115.489807	93.800	276.021092

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 0.000 Dis= -55.992 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 188.754 Dis= -78.492 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	52.337867	0.000	519421.228	4069269.788	60.931442	275.834	21.462726	105.395597	106.076	265.926881
RECTA	280.000	52.337867	0.000	519435.880	4069283.401	60.351677	295.672	20.882961	97.547258	120.442	258.078542
RECTA	300.000	52.337867	0.000	519450.532	4069297.015	59.844855	315.532	20.376139	91.442662	136.239	251.973946
RECTA	320.000	52.337867	0.000	519465.184	4069310.628	59.398079	335.409	19.929364	86.640695	153.025	247.171980
CLOT.	320.130	52.337867	0.000	519465.279	4069310.717	59.395340	335.538	19.926624	86.612868	153.137	247.144152
CLOT.	340.000	53.730322	0.000	519479.933	4069324.135	59.027153	355.315	19.558437	82.853304	170.573	243.384588
CLOT.	360.000	57.944301	0.000	519495.261	4069336.977	58.844678	375.292	19.375962	80.054690	188.955	240.585974
CIRC.	370.269	61.204369	0.000	519503.522	4069343.076	58.862466	385.563	19.393750	79.011120	198.724	239.542404
CIRC.	380.000	64.645905	0.000	519511.647	4069348.427	58.962438	395.277	19.493722	78.266923	208.162	238.798207
CIRC.	400.000	71.719458	0.000	519529.192	4069358.007	59.405105	415.076	19.936389	77.385847	227.931	237.917131
CLOT.	412.533	76.152176	0.000	519540.687	4069362.995	59.827706	427.296	20.358991	77.206070	240.450	237.737354
CLOT.	420.000	78.596372	0.000	519547.688	4069365.589	60.126089	434.487	20.657373	77.212125	247.919	237.743409
CLOT.	440.000	83.205725	0.000	519566.812	4069371.428	61.036213	453.457	21.567497	77.504957	267.887	238.036241
CLOT.	460.000	84.993495	0.000	519586.209	4069376.300	62.001539	472.194	22.532823	77.978864	287.787	238.510148
RECTA	462.672	85.018678	0.000	519588.808	4069376.923	62.128306	474.695	22.659590	78.043447	290.444	238.574732
RECTA	480.000	85.018678	0.000	519605.658	4069380.963	62.919235	490.959	23.450519	78.435649	307.681	238.966933
RECTA	500.000	85.018678	0.000	519625.107	4069385.627	63.769242	509.819	24.300526	78.837002	327.589	239.368287

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 0.000 Dis= -55.992 K : 0.999604541
 Distancia: 206.204 Azimut: 39.468716
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 188.754 Dis= -78.492 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	520.000	85.018678	0.000	519644.555	4069390.290	64.558473	528.763	25.089758	79.192358	347.508	239.723642
RECTA	540.000	85.018678	0.000	519664.004	4069394.953	65.293005	547.783	25.824289	79.509176	367.436	240.040460
RECTA	544.847	85.018678	0.000	519668.718	4069396.083	65.463407	552.404	25.994691	79.580854	372.268	240.112138

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 188.754 Dis= -78.492 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 356.572 Dis= -85.271 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	41.669513	0.000	519243.156	4069081.104	222.357628	210.592	172.087330	234.975570	375.736	384.705272
CLOT.	14.036	41.762104	0.000	519251.710	4069092.233	221.000507	197.239	170.730209	234.714442	361.775	384.444144
CLOT.	20.000	41.822843	0.000	519255.349	4069096.958	220.364632	191.598	170.094334	234.596079	355.847	384.325781
CLOT.	40.000	42.338998	0.000	519267.617	4069112.753	217.903397	172.868	167.633099	234.153751	335.984	383.883453
CLOT.	60.000	43.336528	0.000	519280.072	4069128.401	214.761048	154.559	164.490751	233.608428	316.172	383.338130
CLOT.	80.000	44.815435	0.000	519292.829	4069143.804	210.629472	136.918	160.359174	232.907807	296.450	382.637509
CIRC.	96.722	46.421412	0.000	519303.806	4069156.417	206.104958	122.960	155.834660	232.155299	280.073	381.885001
CIRC.	100.000	46.769251	0.000	519305.997	4069158.856	205.074322	120.337	154.804024	231.985721	276.878	381.715423
CLOT.	108.400	47.660480	0.000	519311.671	4069165.049	202.184692	113.827	151.914394	231.514032	268.722	381.243734
CLOT.	120.000	48.810345	0.000	519319.645	4069173.475	197.540342	105.410	147.270044	230.768574	257.533	380.498276
CLOT.	140.000	50.412516	0.000	519333.709	4069187.694	187.487149	92.895	137.216851	229.207292	238.471	378.936995
CLOT.	160.000	51.533311	0.000	519348.074	4069201.609	174.620243	83.754	124.349945	227.260039	219.729	376.989742
CLOT.	180.000	52.172730	0.000	519362.631	4069215.324	159.371542	79.018	109.101244	224.872252	201.342	374.601954
RECTA	196.566	52.337867	0.000	519374.757	4069226.611	145.986199	78.914	95.715901	222.509361	186.410	372.239063
RECTA	200.000	52.337867	0.000	519377.273	4069228.948	143.242437	79.330	92.972139	221.970746	183.351	371.700448
RECTA	220.000	52.337867	0.000	519391.925	4069242.561	128.187740	84.531	77.917442	218.442456	165.832	368.172158
RECTA	240.000	52.337867	0.000	519406.576	4069256.175	115.489807	93.800	65.219510	214.097830	148.940	363.827532

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 188.754 Dis= -78.492 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 356.572 Dis= -85.271 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	52.337867	0.000	519421.228	4069269.788	105.395597	106.076	55.125299	208.674952	132.916	358.404654
RECTA	280.000	52.337867	0.000	519435.880	4069283.401	97.547258	120.442	47.276960	201.831898	118.114	351.561600
RECTA	300.000	52.337867	0.000	519450.532	4069297.015	91.442662	136.239	41.172364	193.163657	105.052	342.893359
RECTA	320.000	52.337867	0.000	519465.184	4069310.628	86.640695	153.025	36.370398	182.304843	94.453	332.034545
CLOT.	320.130	52.337867	0.000	519465.279	4069310.717	86.612868	153.137	36.342570	182.226432	94.394	331.956134
CLOT.	340.000	53.730322	0.000	519479.933	4069324.135	82.853304	170.573	32.583006	169.170112	87.361	318.899814
CLOT.	360.000	57.944301	0.000	519495.261	4069336.977	80.054690	188.955	29.784392	154.464512	85.398	304.194215
CIRC.	370.269	61.204369	0.000	519503.522	4069343.076	79.011120	198.724	28.740822	146.938232	86.818	296.667934
CIRC.	380.000	64.645905	0.000	519511.647	4069348.427	78.266923	208.162	27.996625	140.237040	89.733	289.966743
CIRC.	400.000	71.719458	0.000	519529.192	4069358.007	77.385847	227.931	27.115549	128.635958	99.886	278.365660
CLOT.	412.533	76.152176	0.000	519540.687	4069362.995	77.206070	240.450	26.935772	123.057830	108.489	272.787532
CLOT.	420.000	78.596372	0.000	519547.688	4069365.589	77.212125	247.919	26.941827	120.321146	114.224	270.050848
CLOT.	440.000	83.205725	0.000	519566.812	4069371.428	77.504957	267.887	27.234659	114.703933	131.066	264.433635
CLOT.	460.000	84.993495	0.000	519586.209	4069376.300	77.978864	287.787	27.708566	110.779725	149.123	260.509427
RECTA	462.672	85.018678	0.000	519588.808	4069376.923	78.043447	290.444	27.773150	110.337589	151.584	260.067291
RECTA	480.000	85.018678	0.000	519605.658	4069380.963	78.435649	307.681	28.165351	107.788202	167.700	257.517904
RECTA	500.000	85.018678	0.000	519625.107	4069385.627	78.837002	327.589	28.566705	105.397590	186.573	255.127292

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 188.754 Dis= -78.492 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 356.572 Dis= -85.271 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	520.000	85.018678	0.000	519644.555	4069390.290	79.192358	347.508	28.922060	103.448394	205.661	253.178096
RECTA	540.000	85.018678	0.000	519664.004	4069394.953	79.509176	367.436	29.238878	101.831517	224.909	251.561219
RECTA	544.847	85.018678	0.000	519668.718	4069396.083	79.580854	372.268	29.310556	101.480528	229.594	251.210230

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 356.572 Dis= -85.271 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 436.892 Dis=-175.241 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	41.669513	0.000	519243.156	4069081.104	234.975570	375.736	202.418289	234.258839	533.938	1.701558
CLOT.	14.036	41.762104	0.000	519251.710	4069092.233	234.714442	361.775	202.157161	234.057931	519.995	1.500650
CLOT.	20.000	41.822843	0.000	519255.349	4069096.958	234.596079	355.847	202.038797	233.968432	514.074	1.411150
CLOT.	40.000	42.338998	0.000	519267.617	4069112.753	234.153751	335.984	201.596470	233.642514	494.233	1.085233
CLOT.	60.000	43.336528	0.000	519280.072	4069128.401	233.608428	316.172	201.051146	233.257758	474.440	0.700477
CLOT.	80.000	44.815435	0.000	519292.829	4069143.804	232.907807	296.450	200.350525	232.785796	454.731	0.228515
CIRC.	96.722	46.421412	0.000	519303.806	4069156.417	232.155299	280.073	199.598018	232.300448	438.353	399.743167
CIRC.	100.000	46.769251	0.000	519305.997	4069158.856	231.985721	276.878	199.428439	232.193616	435.157	399.636335
CLOT.	108.400	47.660480	0.000	519311.671	4069165.049	231.514032	268.722	198.956751	231.900743	426.991	399.343462
CLOT.	120.000	48.810345	0.000	519319.645	4069173.475	230.768574	257.533	198.211292	231.449443	415.777	398.892161
CLOT.	140.000	50.412516	0.000	519333.709	4069187.694	229.207292	238.471	196.650011	230.543677	396.622	397.986396
CLOT.	160.000	51.533311	0.000	519348.074	4069201.609	227.260039	219.729	194.702758	229.477886	377.693	396.920604
CLOT.	180.000	52.172730	0.000	519362.631	4069215.324	224.872252	201.342	192.314971	228.254142	358.979	395.696861
RECTA	196.566	52.337867	0.000	519374.757	4069226.611	222.509361	186.410	189.952079	227.122520	343.627	394.565239
RECTA	200.000	52.337867	0.000	519377.273	4069228.948	221.970746	183.351	189.413465	226.874711	340.460	394.317429
RECTA	220.000	52.337867	0.000	519391.925	4069242.561	218.442456	165.832	185.885174	225.334825	322.126	392.777544
RECTA	240.000	52.337867	0.000	519406.576	4069256.175	214.097830	148.940	181.540548	223.610225	304.003	391.052943

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 356.572 Dis= -85.271 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 436.892 Dis=-175.241 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	52.337867	0.000	519421.228	4069269.788	208.674952	132.916	176.117671	221.668605	286.131	389.111323
RECTA	280.000	52.337867	0.000	519435.880	4069283.401	201.831898	118.114	169.274616	219.470647	268.560	386.913365
RECTA	300.000	52.337867	0.000	519450.532	4069297.015	193.163657	105.052	160.606375	216.968438	251.354	384.411156
RECTA	320.000	52.337867	0.000	519465.184	4069310.628	182.304843	94.453	149.747562	214.103700	234.593	381.546419
CLOT.	320.130	52.337867	0.000	519465.279	4069310.717	182.226432	94.394	149.669151	214.083685	234.485	381.526404
CLOT.	340.000	53.730322	0.000	519479.933	4069324.135	169.170112	87.361	136.612830	210.772641	218.468	378.215359
CLOT.	360.000	57.944301	0.000	519495.261	4069336.977	154.464512	85.398	121.907231	206.721065	203.634	374.163783
CIRC.	370.269	61.204369	0.000	519503.522	4069343.076	146.938232	86.818	114.380950	204.270589	196.842	371.713308
CIRC.	380.000	64.645905	0.000	519511.647	4069348.427	140.237040	89.733	107.679759	201.687658	191.113	369.130377
CIRC.	400.000	71.719458	0.000	519529.192	4069358.007	128.635958	99.886	96.078677	195.626490	181.891	363.069209
CLOT.	412.533	76.152176	0.000	519540.687	4069362.995	123.057830	108.489	90.500548	191.399957	178.094	358.842676
CLOT.	420.000	78.596372	0.000	519547.688	4069365.589	120.321146	114.224	87.763865	188.771656	176.616	356.214375
CLOT.	440.000	83.205725	0.000	519566.812	4069371.428	114.703933	131.066	82.146651	181.545961	175.351	348.988679
CLOT.	460.000	84.993495	0.000	519586.209	4069376.300	110.779725	149.123	78.222443	174.356023	177.357	341.798741
RECTA	462.672	85.018678	0.000	519588.808	4069376.923	110.337589	151.584	77.780307	173.412342	177.822	340.855060
RECTA	480.000	85.018678	0.000	519605.658	4069380.963	107.788202	167.700	75.230921	167.432827	181.766	334.875545
RECTA	500.000	85.018678	0.000	519625.107	4069385.627	105.397590	186.573	72.840309	160.910322	188.210	328.353041

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 356.572 Dis= -85.271 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 436.892 Dis=-175.241 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	520.000	85.018678	0.000	519644.555	4069390.290	103.448394	205.661	70.891112	154.878059	196.488	322.320778
RECTA	540.000	85.018678	0.000	519664.004	4069394.953	101.831517	224.909	69.274236	149.378300	206.381	316.821018
RECTA	544.847	85.018678	0.000	519668.718	4069396.083	101.480528	229.594	68.923246	148.126605	208.996	315.569323

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 436.892 Dis=-175.241 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 544.847 Dis= 104.207 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	41.669513	0.000	519243.156	4069081.104	234.258839	533.938	97.062019	267.900562	602.042	330.703741
CLOT.	14.036	41.762104	0.000	519251.710	4069092.233	234.057931	519.995	96.861111	268.507166	589.198	331.310346
CLOT.	20.000	41.822843	0.000	519255.349	4069096.958	233.968432	514.074	96.771611	268.772281	583.755	331.575461
CLOT.	40.000	42.338998	0.000	519267.617	4069112.753	233.642514	494.233	96.445693	269.690474	565.544	332.493654
CLOT.	60.000	43.336528	0.000	519280.072	4069128.401	233.257758	474.440	96.060938	270.644555	547.357	333.447735
CLOT.	80.000	44.815435	0.000	519292.829	4069143.804	232.785796	454.731	95.588976	271.621674	529.134	334.424853
CIRC.	96.722	46.421412	0.000	519303.806	4069156.417	232.300448	438.353	95.103627	272.445736	513.828	335.248915
CIRC.	100.000	46.769251	0.000	519305.997	4069158.856	232.193616	435.157	94.996796	272.607180	510.817	335.410359
CLOT.	108.400	47.660480	0.000	519311.671	4069165.049	231.900743	426.991	94.703922	273.020148	503.084	335.823327
CLOT.	120.000	48.810345	0.000	519319.645	4069173.475	231.449443	415.777	94.252622	273.589377	492.367	336.392557
CLOT.	140.000	50.412516	0.000	519333.709	4069187.694	230.543677	396.622	93.346857	274.576570	473.814	337.379750
CLOT.	160.000	51.533311	0.000	519348.074	4069201.609	229.477886	377.693	92.281065	275.588785	455.219	338.391964
CLOT.	180.000	52.172730	0.000	519362.631	4069215.324	228.254142	358.979	91.057322	276.649720	436.642	339.452899
RECTA	196.566	52.337867	0.000	519374.757	4069226.611	227.122520	343.627	89.925700	277.585020	421.313	340.388200
RECTA	200.000	52.337867	0.000	519377.273	4069228.948	226.874711	340.460	89.677890	277.787031	418.147	340.590210
RECTA	220.000	52.337867	0.000	519391.925	4069242.561	225.334825	322.126	88.138005	279.027079	399.793	341.830259
RECTA	240.000	52.337867	0.000	519406.576	4069256.175	223.610225	304.003	86.413404	280.385894	381.604	343.189073

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 436.892 Dis=-175.241 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 544.847 Dis= 104.207 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	52.337867	0.000	519421.228	4069269.788	221.668605	286.131	84.471784	281.879958	363.607	344.683138
RECTA	280.000	52.337867	0.000	519435.880	4069283.401	219.470647	268.560	82.273826	283.528604	345.831	346.331783
RECTA	300.000	52.337867	0.000	519450.532	4069297.015	216.968438	251.354	79.771617	285.354534	328.312	348.157713
RECTA	320.000	52.337867	0.000	519465.184	4069310.628	214.103700	234.593	76.906879	287.384420	311.093	350.187599
CLOT.	320.130	52.337867	0.000	519465.279	4069310.717	214.083685	234.485	76.886865	287.398390	310.982	350.201569
CLOT.	340.000	53.730322	0.000	519479.933	4069324.135	210.772641	218.468	73.575820	289.623306	294.148	352.426486
CLOT.	360.000	57.944301	0.000	519495.261	4069336.977	206.721065	203.634	69.524244	291.964451	277.120	354.767630
CIRC.	370.269	61.204369	0.000	519503.522	4069343.076	204.270589	196.842	67.073769	293.154317	268.201	355.957496
CIRC.	380.000	64.645905	0.000	519511.647	4069348.427	201.687658	191.113	64.490837	294.245735	259.583	357.048914
CIRC.	400.000	71.719458	0.000	519529.192	4069358.007	195.626490	181.891	58.429670	296.345645	241.369	359.148825
CLOT.	412.533	76.152176	0.000	519540.687	4069362.995	191.399957	178.094	54.203137	297.543907	229.643	360.347087
CLOT.	420.000	78.596372	0.000	519547.688	4069365.589	188.771656	176.616	51.574836	298.208526	222.556	361.011706
CLOT.	440.000	83.205725	0.000	519566.812	4069371.428	181.545961	175.351	44.349140	299.868169	203.337	362.671349
CLOT.	460.000	84.993495	0.000	519586.209	4069376.300	174.356023	177.357	37.159202	301.540810	183.985	364.343989
RECTA	462.672	85.018678	0.000	519588.808	4069376.923	173.412342	177.822	36.215521	301.781677	181.403	364.584856
RECTA	480.000	85.018678	0.000	519605.658	4069380.963	167.432827	181.766	30.236006	303.525597	164.728	366.328776
RECTA	500.000	85.018678	0.000	519625.107	4069385.627	160.910322	188.210	23.713501	306.032497	145.672	368.835676

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 PROYECTO :
 EJE : 7 : Ramal Deceleración AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 436.892 Dis=-175.241 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 544.847 Dis= 104.207 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	520.000	85.018678	0.000	519644.555	4069390.290	154.878059	196.488	17.681239	309.286993	126.910	372.090173
RECTA	540.000	85.018678	0.000	519664.004	4069394.953	149.378300	206.381	12.181479	313.654226	108.594	376.457405
RECTA	544.847	85.018678	0.000	519668.718	4069396.083	148.126605	208.996	10.929784	314.941857	104.248	377.745036

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 0.000 Dis= 24.786 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 99.603 Dis= 20.746 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	267.967503	0.000	520064.337	4069830.609	214.293117	24.796	345.558083	80.502360	101.819	11.767326
CIRC.	20.000	267.611809	0.000	520046.842	4069820.916	238.003989	40.954	369.268955	83.573453	82.305	14.838419
RECTA	36.746	267.313992	0.000	520032.237	4069812.725	246.463703	56.442	377.728669	87.608483	66.219	18.873450
RECTA	40.000	267.313992	0.000	520029.402	4069811.126	247.583699	59.534	378.848665	88.637398	63.136	19.902365
RECTA	60.000	267.313992	0.000	520011.981	4069801.303	252.516930	78.825	383.781896	98.033059	44.726	29.298025
RECTA	80.000	267.313992	0.000	519994.559	4069791.480	255.499641	98.403	386.764607	119.115790	28.554	50.380757
RECTA	100.000	267.313992	0.000	519977.138	4069781.656	257.489605	118.125	388.754571	168.530926	20.758	99.795892
RECTA	120.000	267.313992	0.000	519959.717	4069771.833	258.909190	137.929	390.174156	216.773882	29.105	148.038848
RECTA	140.000	267.313992	0.000	519942.296	4069762.010	259.971916	157.785	391.236882	237.110928	45.430	168.375894
RECTA	160.000	267.313992	0.000	519924.874	4069752.186	260.796895	177.675	392.061862	246.250527	63.886	177.515493
RECTA	180.000	267.313992	0.000	519907.453	4069742.363	261.455679	197.589	392.720645	251.237253	83.063	182.502219
RECTA	200.000	267.313992	0.000	519890.032	4069732.540	261.993785	217.520	393.258751	254.341639	102.558	185.606605
RECTA	220.000	267.313992	0.000	519872.610	4069722.716	262.441530	237.464	393.706496	256.451000	122.219	187.715966
RECTA	240.000	267.313992	0.000	519855.189	4069712.893	262.819877	257.418	394.084843	257.974577	141.977	189.239543
RECTA	260.000	267.313992	0.000	519837.768	4069703.069	263.143779	277.379	394.408745	259.125421	161.797	190.390388
RECTA	280.000	267.313992	0.000	519820.347	4069693.246	263.424184	297.347	394.689151	260.024863	181.657	191.289829
RECTA	300.000	267.313992	0.000	519802.925	4069683.423	263.669296	317.320	394.934262	260.746902	201.547	192.011868

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 0.000 Dis= 24.786 K : 0.999604964
 Distancia: 116.353 Azimut: 268.735034
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 99.603 Dis= 20.746 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	320.000	267.313992	0.000	519785.504	4069673.599	263.885375	337.297	395.150342	261.339170	221.458	192.604136
RECTA	340.000	267.313992	0.000	519768.083	4069663.776	264.077289	357.278	395.342255	261.833688	241.385	193.098654
RECTA	360.000	267.313992	0.000	519750.661	4069653.953	264.248873	377.261	395.513839	262.252763	261.325	193.517729
RECTA	380.000	267.313992	0.000	519733.240	4069644.129	264.403192	397.247	395.668158	262.612407	281.274	193.877373
RECTA	400.000	267.313992	0.000	519715.819	4069634.306	264.542727	417.235	395.807693	262.924406	301.231	194.189372
RECTA	420.000	267.313992	0.000	519698.397	4069624.482	264.669503	437.225	395.934469	263.197627	321.194	194.462593
CLOT.	431.621	267.313992	0.000	519688.275	4069618.775	264.737979	448.840	396.002945	263.341322	332.796	194.606288
CLOT.	440.000	267.090506	0.000	519680.981	4069614.651	264.783829	457.216	396.048795	263.437041	341.164	194.702008
CLOT.	460.000	264.750400	0.000	519663.746	4069604.506	264.840373	477.219	396.105339	263.586326	361.153	194.851292
CIRC.	464.954	263.777216	0.000	519659.552	4069601.870	264.834580	482.175	396.099547	263.595673	366.109	194.860639
CIRC.	480.000	260.584394	0.000	519647.085	4069593.449	264.754276	497.212	396.019242	263.539811	381.156	194.804777
CLOT.	485.538	259.409261	0.000	519642.605	4069590.194	264.701901	502.737	395.966868	263.489079	386.687	194.754045
CLOT.	500.000	257.006035	0.000	519631.165	4069581.348	264.517445	517.128	395.782411	263.294817	401.104	194.559783
RECTA	518.871	255.872485	0.000	519616.577	4069569.376	264.227010	535.853	395.491976	262.978729	419.872	194.243695
RECTA	520.000	255.872485	0.000	519615.709	4069568.655	264.209488	536.973	395.474454	262.959704	420.995	194.224670
CIRC.	534.557	255.872485	0.000	519604.511	4069559.353	263.989933	551.415	395.254900	262.723181	435.471	193.988147
CIRC.	540.000	261.647376	0.000	519600.172	4069556.070	263.938869	556.839	395.203835	262.674286	440.903	193.939252

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 0.000 Dis= 24.786 K : 0.999604964
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 99.603 Dis= 20.746 K : 0.999604913
 Distancia: 116.353 Azimut: 268.735034

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	560.000	282.868036	0.000	519582.125	4069547.667	264.225385	576.591	395.490351	263.087091	460.603	194.352057
RECTA	571.913	295.508131	0.000	519570.403	4069545.657	264.717996	587.604	395.982962	263.727400	471.539	194.992367
RECTA	580.000	295.508131	0.000	519562.336	4069545.087	265.120669	594.778	396.385635	264.242524	478.657	195.507490
RECTA	597.660	295.508131	0.000	519544.720	4069543.842	265.967001	610.524	397.231967	265.315636	494.306	196.580602

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 99.603 Dis= 20.746 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 231.651 Dis= 21.470 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	0.000	267.967503	0.000	520064.337	4069830.609	80.502360	101.819	212.839244	73.248885	232.753	5.585769
CIRC.	20.000	267.611809	0.000	520046.842	4069820.916	83.573453	82.305	215.910337	73.761488	212.826	6.098372
RECTA	36.746	267.313992	0.000	520032.237	4069812.725	87.608483	66.219	219.945367	74.298517	196.162	6.635401
RECTA	40.000	267.313992	0.000	520029.402	4069811.126	88.637398	63.136	220.974282	74.416145	192.926	6.753029
RECTA	60.000	267.313992	0.000	520011.981	4069801.303	98.033059	44.726	230.369943	75.235576	173.057	7.572460
RECTA	80.000	267.313992	0.000	519994.559	4069791.480	119.115790	28.554	251.452675	76.267349	153.224	8.604233
RECTA	100.000	267.313992	0.000	519977.138	4069781.656	168.530926	20.758	300.867810	77.605454	133.443	9.942339
RECTA	120.000	267.313992	0.000	519959.717	4069771.833	216.773882	29.105	349.110766	79.408154	113.742	11.745038
RECTA	140.000	267.313992	0.000	519942.296	4069762.010	237.110928	45.430	369.447812	81.963016	94.170	14.299900
RECTA	160.000	267.313992	0.000	519924.874	4069752.186	246.250527	63.886	378.587411	85.847862	74.828	18.184746
RECTA	180.000	267.313992	0.000	519907.453	4069742.363	251.237253	83.063	383.574137	92.393005	55.958	24.729889
RECTA	200.000	267.313992	0.000	519890.032	4069732.540	254.341639	102.558	386.678523	105.258368	38.261	37.595252
RECTA	220.000	267.313992	0.000	519872.610	4069722.716	256.451000	122.219	388.787884	135.660642	24.437	67.997526
RECTA	240.000	267.313992	0.000	519855.189	4069712.893	257.974577	141.977	390.311461	190.923771	23.045	123.260655
RECTA	260.000	267.313992	0.000	519837.768	4069703.069	259.125421	161.797	391.462306	226.049044	35.575	158.385928
RECTA	280.000	267.313992	0.000	519820.347	4069693.246	260.024863	181.657	392.361747	240.709296	52.922	173.046180
RECTA	300.000	267.313992	0.000	519802.925	4069683.423	260.746902	201.547	393.083786	247.937695	71.670	180.274579

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 99.603 Dis= 20.746 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 231.651 Dis= 21.470 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	320.000	267.313992	0.000	519785.504	4069673.599	261.339170	221.458	393.676054	252.137514	90.956	184.474398
RECTA	340.000	267.313992	0.000	519768.083	4069663.776	261.833688	241.385	394.170572	254.860374	110.499	187.197258
RECTA	360.000	267.313992	0.000	519750.661	4069653.953	262.252763	261.325	394.589647	256.762472	130.183	189.099356
RECTA	380.000	267.313992	0.000	519733.240	4069644.129	262.612407	281.274	394.949291	258.164010	149.953	190.500894
RECTA	400.000	267.313992	0.000	519715.819	4069634.306	262.924406	301.231	395.261290	259.238647	169.779	191.575531
RECTA	420.000	267.313992	0.000	519698.397	4069624.482	263.197627	321.194	395.534511	260.088361	189.643	192.425245
CLOT.	431.621	267.313992	0.000	519688.275	4069618.775	263.341322	332.796	395.678206	260.504973	201.198	192.841857
CLOT.	440.000	267.090506	0.000	519680.981	4069614.651	263.437041	341.164	395.773925	260.773885	209.536	193.110769
CLOT.	460.000	264.750400	0.000	519663.746	4069604.506	263.586326	361.153	395.923210	261.240537	229.478	193.577421
CIRC.	464.954	263.777216	0.000	519659.552	4069601.870	263.595673	366.109	395.932557	261.304703	234.428	193.641587
CIRC.	480.000	260.584394	0.000	519647.085	4069593.449	263.539811	381.156	395.876695	261.357554	249.477	193.694438
CLOT.	485.538	259.409261	0.000	519642.605	4069590.194	263.489079	386.687	395.825963	261.327997	255.016	193.664881
CLOT.	500.000	257.006035	0.000	519631.165	4069581.348	263.294817	401.104	395.631701	261.154587	269.465	193.491471
RECTA	518.871	255.872485	0.000	519616.577	4069569.376	262.978729	419.872	395.315613	260.833757	288.291	193.170641
RECTA	520.000	255.872485	0.000	519615.709	4069568.655	262.959704	420.995	395.296588	260.814416	289.417	193.151300
CIRC.	534.557	255.872485	0.000	519604.511	4069559.353	262.723181	435.471	395.060065	260.577863	303.939	192.914747
CIRC.	540.000	261.647376	0.000	519600.172	4069556.070	262.674286	440.903	395.011170	260.545884	309.379	192.882768

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 EJE : 10 : Ramal Deceleración MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 99.603 Dis= 20.746 K : 0.999604913
 Distancia: 132.102 Azimut: 267.663116
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 231.651 Dis= 21.470 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	560.000	282.868036	0.000	519582.125	4069547.667	263.087091	460.603	395.423975	261.250905	328.979	193.587789
RECTA	571.913	295.508131	0.000	519570.403	4069545.657	263.727400	471.539	396.064285	262.198104	339.787	194.534988
RECTA	580.000	295.508131	0.000	519562.336	4069545.087	264.242524	478.657	396.579408	262.940167	346.819	195.277051
RECTA	597.660	295.508131	0.000	519544.720	4069543.842	265.315636	494.306	397.652520	264.459926	362.327	196.796811

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 231.651 Dis= 21.470 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 428.196 Dis= 18.171 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	267.967503	0.000	520064.337	4069830.609	73.248885	232.753	207.003267	70.041952	428.758	3.796335
CIRC.	20.000	267.611809	0.000	520046.842	4069820.916	73.761488	212.826	207.515870	70.152173	408.764	3.906555
RECTA	36.746	267.313992	0.000	520032.237	4069812.725	74.298517	196.162	208.052899	70.267058	392.027	4.021440
RECTA	40.000	267.313992	0.000	520029.402	4069811.126	74.416145	192.926	208.170527	70.291779	388.775	4.046161
RECTA	60.000	267.313992	0.000	520011.981	4069801.303	75.235576	173.057	208.989958	70.453273	368.790	4.207655
RECTA	80.000	267.313992	0.000	519994.559	4069791.480	76.267349	153.224	210.021731	70.633272	348.808	4.387654
RECTA	100.000	267.313992	0.000	519977.138	4069781.656	77.605454	133.443	211.359837	70.835146	328.829	4.589528
RECTA	120.000	267.313992	0.000	519959.717	4069771.833	79.408154	113.742	213.162536	71.063135	308.853	4.817517
RECTA	140.000	267.313992	0.000	519942.296	4069762.010	81.963016	94.170	215.717398	71.322650	288.883	5.077032
RECTA	160.000	267.313992	0.000	519924.874	4069752.186	85.847862	74.828	219.602244	71.620705	268.917	5.375087
RECTA	180.000	267.313992	0.000	519907.453	4069742.363	92.393005	55.958	226.147387	71.966557	248.959	5.720939
RECTA	200.000	267.313992	0.000	519890.032	4069732.540	105.258368	38.261	239.012750	72.372680	229.009	6.127063
RECTA	220.000	267.313992	0.000	519872.610	4069722.716	135.660642	24.437	269.415024	72.856289	209.070	6.610672
RECTA	240.000	267.313992	0.000	519855.189	4069712.893	190.923771	23.045	324.678153	73.441822	189.146	7.196205
RECTA	260.000	267.313992	0.000	519837.768	4069703.069	226.049044	35.575	359.803427	74.165157	169.242	7.919539
RECTA	280.000	267.313992	0.000	519820.347	4069693.246	240.709296	52.922	374.463678	75.081153	149.365	8.835535
RECTA	300.000	267.313992	0.000	519802.925	4069683.423	247.937695	71.670	381.692077	76.278018	129.529	10.032400

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 231.651 Dis= 21.470 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 428.196 Dis= 18.171 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	320.000	267.313992	0.000	519785.504	4069673.599	252.137514	90.956	385.891896	77.906911	109.755	11.661293
RECTA	340.000	267.313992	0.000	519768.083	4069663.776	254.860374	110.499	388.614757	80.249309	90.084	14.003691
RECTA	360.000	267.313992	0.000	519750.661	4069653.953	256.762472	130.183	390.516854	83.891792	70.603	17.646174
RECTA	380.000	267.313992	0.000	519733.240	4069644.129	258.164010	149.953	391.918392	90.266937	51.528	24.021319
RECTA	400.000	267.313992	0.000	519715.819	4069634.306	259.238647	169.779	392.993029	103.758320	33.557	37.512703
RECTA	420.000	267.313992	0.000	519698.397	4069624.482	260.088361	189.643	393.842743	140.338475	19.942	74.092857
CLOT.	431.621	267.313992	0.000	519688.275	4069618.775	260.504973	201.198	394.259355	179.173173	18.498	112.927555
CLOT.	440.000	267.090506	0.000	519680.981	4069614.651	260.773885	209.536	394.528267	203.973278	21.685	137.727660
CLOT.	460.000	264.750400	0.000	519663.746	4069604.506	261.240537	229.478	394.994919	233.692078	36.830	167.446460
CIRC.	464.954	263.777216	0.000	519659.552	4069601.870	261.304703	234.428	395.059085	237.225544	41.289	170.979926
CIRC.	480.000	260.584394	0.000	519647.085	4069593.449	261.357554	249.477	395.111936	243.833153	55.496	177.587535
CLOT.	485.538	259.409261	0.000	519642.605	4069590.194	261.327997	255.016	395.082379	245.288492	60.874	179.042874
CLOT.	500.000	257.006035	0.000	519631.165	4069581.348	261.154587	269.465	394.908969	247.739681	75.105	181.494063
RECTA	518.871	255.872485	0.000	519616.577	4069569.376	260.833757	288.291	394.588140	249.446763	93.848	183.201145
RECTA	520.000	255.872485	0.000	519615.709	4069568.655	260.814416	289.417	394.568798	249.523050	94.972	183.277432
CIRC.	534.557	255.872485	0.000	519604.511	4069559.353	260.577863	303.939	394.332245	250.366336	109.472	184.120718
CIRC.	540.000	261.647376	0.000	519600.172	4069556.070	260.545884	309.379	394.300266	250.762907	114.870	184.517289

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 231.651 Dis= 21.470 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 428.196 Dis= 18.171 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	560.000	282.868036	0.000	519582.125	4069547.667	261.250905	328.979	395.005287	253.902556	133.824	187.656938
RECTA	571.913	295.508131	0.000	519570.403	4069545.657	262.198104	339.787	395.952486	256.670449	144.077	190.424831
RECTA	580.000	295.508131	0.000	519562.336	4069545.087	262.940167	346.819	396.694549	258.627750	150.779	192.382133
RECTA	597.660	295.508131	0.000	519544.720	4069543.842	264.459926	362.327	398.214309	262.342443	165.846	196.096825

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 428.196 Dis= 18.171 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 527.014 Dis=-250.020 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	267.967503	0.000	520064.337	4069830.609	70.041952	428.758	290.436280	36.308784	545.242	56.703112
CIRC.	20.000	267.611809	0.000	520046.842	4069820.916	70.152173	408.764	290.546501	35.163208	527.717	55.557535
RECTA	36.746	267.313992	0.000	520032.237	4069812.725	70.267058	392.027	290.661386	34.153352	513.139	54.547680
RECTA	40.000	267.313992	0.000	520029.402	4069811.126	70.291779	388.775	290.686106	33.951236	510.318	54.345564
RECTA	60.000	267.313992	0.000	520011.981	4069801.303	70.453273	368.790	290.847601	32.658540	493.097	53.052867
RECTA	80.000	267.313992	0.000	519994.559	4069791.480	70.633272	348.808	291.027600	31.272903	476.094	51.667230
RECTA	100.000	267.313992	0.000	519977.138	4069781.656	70.835146	328.829	291.229474	29.785394	459.333	50.179722
RECTA	120.000	267.313992	0.000	519959.717	4069771.833	71.063135	308.853	291.457462	28.186169	442.842	48.580497
RECTA	140.000	267.313992	0.000	519942.296	4069762.010	71.322650	288.883	291.716977	26.464414	426.651	46.858742
RECTA	160.000	267.313992	0.000	519924.874	4069752.186	71.620705	268.917	292.015032	24.608318	410.798	45.002645
RECTA	180.000	267.313992	0.000	519907.453	4069742.363	71.966557	248.959	292.360885	22.605073	395.321	42.999400
RECTA	200.000	267.313992	0.000	519890.032	4069732.540	72.372680	229.009	292.767008	20.440934	380.267	40.835262
RECTA	220.000	267.313992	0.000	519872.610	4069722.716	72.856289	209.070	293.250617	18.101357	365.689	38.495685
RECTA	240.000	267.313992	0.000	519855.189	4069712.893	73.441822	189.146	293.836150	15.571253	351.645	35.965581
RECTA	260.000	267.313992	0.000	519837.768	4069703.069	74.165157	169.242	294.559485	12.835397	338.202	33.229724
RECTA	280.000	267.313992	0.000	519820.347	4069693.246	75.081153	149.365	295.475480	9.879043	325.435	30.273370
RECTA	300.000	267.313992	0.000	519802.925	4069683.423	76.278018	129.529	296.672346	6.688796	313.425	27.083123

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 428.196 Dis= 18.171 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 527.014 Dis=-250.020 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	320.000	267.313992	0.000	519785.504	4069673.599	77.906911	109.755	298.301239	3.253769	302.264	23.648096
RECTA	340.000	267.313992	0.000	519768.083	4069663.776	80.249309	90.084	300.643637	399.567048	292.049	19.961375
RECTA	360.000	267.313992	0.000	519750.661	4069653.953	83.891792	70.603	304.286119	395.627411	282.882	16.021739
RECTA	380.000	267.313992	0.000	519733.240	4069644.129	90.266937	51.528	310.661265	391.441179	274.868	11.835506
RECTA	400.000	267.313992	0.000	519715.819	4069634.306	103.758320	33.557	324.152648	387.023948	268.111	7.418275
RECTA	420.000	267.313992	0.000	519698.397	4069624.482	140.338475	19.942	360.732803	382.401880	262.707	2.796208
CLOT.	431.621	267.313992	0.000	519688.275	4069618.775	179.173173	18.498	399.567500	379.636417	260.223	0.030745
CLOT.	440.000	267.090506	0.000	519680.981	4069614.651	203.973278	21.685	24.367606	377.612519	258.732	398.006846
CLOT.	460.000	264.750400	0.000	519663.746	4069604.506	233.692078	36.830	54.086405	372.711191	255.901	393.105518
CIRC.	464.954	263.777216	0.000	519659.552	4069601.870	237.225544	41.289	57.619872	371.486059	255.294	391.880386
CIRC.	480.000	260.584394	0.000	519647.085	4069593.449	243.833153	55.496	64.227481	367.745207	253.540	388.139534
CLOT.	485.538	259.409261	0.000	519642.605	4069590.194	245.288492	60.874	65.682820	366.361040	252.927	386.755368
CLOT.	500.000	257.006035	0.000	519631.165	4069581.348	247.739681	75.105	68.134008	362.727290	251.463	383.121617
RECTA	518.871	255.872485	0.000	519616.577	4069569.376	249.446763	93.848	69.841090	357.945168	250.252	378.339495
RECTA	520.000	255.872485	0.000	519615.709	4069568.655	249.523050	94.972	69.917377	357.657962	250.218	378.052289
CIRC.	534.557	255.872485	0.000	519604.511	4069559.353	250.366336	109.472	70.760663	353.952330	250.233	374.346657
CIRC.	540.000	261.647376	0.000	519600.172	4069556.070	250.762907	114.870	71.157235	352.573998	250.702	372.968325

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 428.196 Dis= 18.171 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 527.014 Dis=-250.020 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	560.000	282.868036	0.000	519582.125	4069547.667	253.902556	133.824	74.296884	347.878832	257.462	368.273160
RECTA	571.913	295.508131	0.000	519570.403	4069545.657	256.670449	144.077	77.064776	345.599408	264.822	365.993736
RECTA	580.000	295.508131	0.000	519562.336	4069545.087	258.627750	150.779	79.022078	344.251507	270.595	364.645835
RECTA	597.660	295.508131	0.000	519544.720	4069543.842	262.342443	165.846	82.736770	341.502279	283.596	361.896607

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 527.014 Dis=-250.020 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 597.660 Dis= -28.360 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	0.000	267.967503	0.000	520064.337	4069830.609	36.308784	545.242	99.111963	68.885819	620.486	331.688998
CIRC.	20.000	267.611809	0.000	520046.842	4069820.916	35.163208	527.717	97.966387	68.922341	600.481	331.725520
RECTA	36.746	267.313992	0.000	520032.237	4069812.725	34.153352	513.139	96.956531	68.964221	583.733	331.767400
RECTA	40.000	267.313992	0.000	520029.402	4069811.126	33.951236	510.318	96.754416	68.973476	580.479	331.776655
RECTA	60.000	267.313992	0.000	520011.981	4069801.303	32.658540	493.097	95.461719	69.032709	560.478	331.835888
RECTA	80.000	267.313992	0.000	519994.559	4069791.480	31.272903	476.094	94.076082	69.096326	540.477	331.899506
RECTA	100.000	267.313992	0.000	519977.138	4069781.656	29.785394	459.333	92.588574	69.164833	520.478	331.968012
RECTA	120.000	267.313992	0.000	519959.717	4069771.833	28.186169	442.842	90.989348	69.238815	500.478	332.041994
RECTA	140.000	267.313992	0.000	519942.296	4069762.010	26.464414	426.651	89.267593	69.318955	480.480	332.122134
RECTA	160.000	267.313992	0.000	519924.874	4069752.186	24.608318	410.798	87.411497	69.406056	460.483	332.209235
RECTA	180.000	267.313992	0.000	519907.453	4069742.363	22.605073	395.321	85.408252	69.501065	440.486	332.304245
RECTA	200.000	267.313992	0.000	519890.032	4069732.540	20.440934	380.267	83.244113	69.605111	420.490	332.408290
RECTA	220.000	267.313992	0.000	519872.610	4069722.716	18.101357	365.689	80.904537	69.719545	400.496	332.522725
RECTA	240.000	267.313992	0.000	519855.189	4069712.893	15.571253	351.645	78.374433	69.846006	380.503	332.649185
RECTA	260.000	267.313992	0.000	519837.768	4069703.069	12.835397	338.202	75.638576	69.986492	360.512	332.789672
RECTA	280.000	267.313992	0.000	519820.347	4069693.246	9.879043	325.435	72.682222	70.143473	340.523	332.946652
RECTA	300.000	267.313992	0.000	519802.925	4069683.423	6.688796	313.425	69.491975	70.320032	320.536	333.123211

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 527.014 Dis=-250.020 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 597.660 Dis= -28.360 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	320.000	267.313992	0.000	519785.504	4069673.599	3.253769	302.264	66.056948	70.520072	300.552	333.323251
RECTA	340.000	267.313992	0.000	519768.083	4069663.776	399.567048	292.049	62.370227	70.748606	280.571	333.551785
RECTA	360.000	267.313992	0.000	519750.661	4069653.953	395.627411	282.882	58.430591	71.012181	260.594	333.815361
RECTA	380.000	267.313992	0.000	519733.240	4069644.129	391.441179	274.868	54.244358	71.319515	240.623	334.122695
RECTA	400.000	267.313992	0.000	519715.819	4069634.306	387.023948	268.111	49.827127	71.682474	220.658	334.485653
RECTA	420.000	267.313992	0.000	519698.397	4069624.482	382.401880	262.707	45.205060	72.117627	200.702	334.920807
CLOT.	431.621	267.313992	0.000	519688.275	4069618.775	379.636417	260.223	42.439596	72.412646	189.112	335.215826
CLOT.	440.000	267.090506	0.000	519680.981	4069614.651	377.612519	258.732	40.415698	72.652282	180.758	335.455461
CLOT.	460.000	264.750400	0.000	519663.746	4069604.506	372.711191	255.901	35.514370	73.461709	160.869	336.264889
CIRC.	464.954	263.777216	0.000	519659.552	4069601.870	371.486059	255.294	34.289238	73.752564	155.966	336.555743
CIRC.	480.000	260.584394	0.000	519647.085	4069593.449	367.745207	253.540	30.548386	74.979351	141.190	337.782530
CLOT.	485.538	259.409261	0.000	519642.605	4069590.194	366.361040	252.927	29.164219	75.584885	135.809	338.388064
CLOT.	500.000	257.006035	0.000	519631.165	4069581.348	362.727290	251.463	25.530469	77.633941	121.948	340.437120
RECTA	518.871	255.872485	0.000	519616.577	4069569.376	357.945168	250.252	20.748347	81.433864	104.310	344.237043
RECTA	520.000	255.872485	0.000	519615.709	4069568.655	357.657962	250.218	20.461141	81.705966	103.272	344.509145
CIRC.	534.557	255.872485	0.000	519604.511	4069559.353	353.952330	250.233	16.755509	85.771723	90.075	348.574903
CIRC.	540.000	261.647376	0.000	519600.172	4069556.070	352.573998	250.702	15.377177	87.447347	85.144	350.250527

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 PROYECTO :
 EJE : 10 : Ramal Deceleración MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 527.014 Dis=-250.020 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 597.660 Dis= -28.360 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	560.000	282.868036	0.000	519582.125	4069547.667	347.878832	257.462	10.682011	91.993982	65.961	354.797161
RECTA	571.913	295.508131	0.000	519570.403	4069545.657	345.599408	264.822	8.402588	92.611152	54.077	355.414332
RECTA	580.000	295.508131	0.000	519562.336	4069545.087	344.251507	270.595	7.054687	92.101783	45.997	354.904963
RECTA	597.660	295.508131	0.000	519544.720	4069543.842	341.502279	283.596	4.305459	89.981264	28.371	352.784443

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 PROYECTO :
 EJE : 15 : Ramal Aceleración MA

pagina 1

 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 0.000 Dis= 29.976 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 41.424 Dis=-262.816 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	202.820060	0.000	519546.481	4069535.887	107.472544	29.988	370.275723	340.295679	277.417	3.098859
CLOT.	1.172	202.820060	0.000	519546.429	4069534.716	109.946839	30.096	372.750019	340.071363	276.768	2.874543
CLOT.	20.000	209.872404	0.000	519544.902	4069515.960	144.154037	36.676	6.957216	336.244595	267.440	399.047775
CIRC.	27.839	216.967176	0.000	519543.288	4069508.293	154.986264	40.928	17.789444	334.481766	264.768	397.284945
CLOT.	38.751	228.545058	0.000	519539.475	4069498.085	167.937797	47.187	30.740977	331.886831	262.989	394.690010
CLOT.	40.000	229.839572	0.000	519538.922	4069496.965	169.300417	47.912	32.103597	331.584505	262.940	394.387685
CLOT.	60.000	242.108310	0.000	519527.880	4069480.328	188.103107	60.140	50.906286	326.809027	265.478	389.612206
RECTA	65.417	242.692164	0.000	519524.526	4069476.073	192.182506	63.829	54.985685	325.555099	266.851	388.358278
RECTA	80.000	242.692164	0.000	519515.464	4069464.648	201.062176	74.788	63.865356	322.251168	271.096	385.054347
RECTA	100.000	242.692164	0.000	519503.035	4069448.980	209.557038	91.482	72.360217	317.901068	278.060	380.704247
RECTA	120.000	242.692164	0.000	519490.605	4069433.311	215.360745	109.294	78.163924	313.781655	286.255	376.584835
RECTA	140.000	242.692164	0.000	519478.176	4069417.642	219.513715	127.758	82.316894	309.906718	295.579	372.709898
RECTA	160.000	242.692164	0.000	519465.747	4069401.973	222.608304	146.628	85.411484	306.281263	305.929	369.084443
RECTA	180.000	242.692164	0.000	519453.318	4069386.304	224.992988	165.765	87.796167	302.903226	317.205	365.706405
RECTA	200.000	242.692164	0.000	519440.888	4069370.635	226.882007	185.086	89.685186	299.765246	329.312	362.568425
RECTA	220.000	242.692164	0.000	519428.459	4069354.966	228.412849	204.539	91.216028	296.856301	342.161	359.659480
RECTA	240.000	242.692164	0.000	519416.030	4069339.297	229.677201	224.090	92.480380	294.163081	355.672	356.966260

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 PROYECTO :
 EJE : 15 : Ramal Aceleración MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 0.000 Dis= 29.976 K : 0.999604694
 Distancia: 303.867 Azimut: 137.196821
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 41.424 Dis=-262.816 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	242.692164	0.000	519403.601	4069323.628	230.738293	243.715	93.541472	291.671073	369.772	354.474253
RECTA	280.000	242.692164	0.000	519391.171	4069307.960	231.641023	263.398	94.444202	289.365374	384.397	352.168553
RECTA	300.000	242.692164	0.000	519378.742	4069292.291	232.418087	283.126	95.221266	287.231255	399.489	350.034434
RECTA	320.000	242.692164	0.000	519366.313	4069276.622	233.093827	302.891	95.897006	285.254547	414.997	348.057726
RECTA	340.000	242.692164	0.000	519353.884	4069260.953	233.686721	322.686	96.489901	283.421872	430.876	346.225051
RECTA	360.000	242.692164	0.000	519341.454	4069245.284	234.211039	342.506	97.014219	281.720769	447.086	344.523948
RECTA	380.000	242.692164	0.000	519329.025	4069229.615	234.677968	362.346	97.481147	280.139745	463.594	342.942925
RECTA	400.000	242.692164	0.000	519316.596	4069213.946	235.096397	382.204	97.899577	278.668278	480.367	341.471457
RECTA	420.000	242.692164	0.000	519304.167	4069198.277	235.473480	402.076	98.276659	277.296781	497.380	340.099960
RECTA	440.000	242.692164	0.000	519291.738	4069182.608	235.815032	421.962	98.618212	276.016553	514.608	338.819732
RECTA	460.000	242.692164	0.000	519279.308	4069166.940	236.125833	441.858	98.929013	274.819716	532.031	337.622895
CIRC.	460.207	242.692164	0.000	519279.179	4069166.777	236.128908	442.065	98.932087	274.807722	532.212	337.610902
CIRC.	480.000	242.428702	0.000	519266.911	4069151.245	236.404222	461.769	99.207402	273.694957	549.610	336.498137
CIRC.	490.800	242.284941	0.000	519260.244	4069142.749	236.540131	472.527	99.343310	273.113574	559.155	335.916753

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 EJE : 15 : Ramal Aceleración MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 41.424 Dis=-262.816 K : 0.999604817
 Distancia: 332.241 Azimut: 305.675963
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 176.883 Dis= 20.394 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	202.820060	0.000	519546.481	4069535.887	340.295679	277.417	34.619716	42.848594	172.039	337.172631
CLOT.	1.172	202.820060	0.000	519546.429	4069534.716	340.071363	276.768	34.395400	43.105206	171.092	337.429243
CLOT.	20.000	209.872404	0.000	519544.902	4069515.960	336.244595	267.440	30.568632	47.423698	155.870	341.747735
CIRC.	27.839	216.967176	0.000	519543.288	4069508.293	334.481766	264.768	28.805803	49.135792	149.190	343.459829
CLOT.	38.751	228.545058	0.000	519539.475	4069498.085	331.886831	262.989	26.210867	51.142218	139.281	345.466255
CLOT.	40.000	229.839572	0.000	519538.922	4069496.965	331.584505	262.940	25.908542	51.336898	138.105	345.660935
CLOT.	60.000	242.108310	0.000	519527.880	4069480.328	326.809027	265.478	21.133064	53.680575	118.693	348.004612
RECTA	65.417	242.692164	0.000	519524.526	4069476.073	325.555099	266.851	19.879136	54.212466	113.361	348.536503
RECTA	80.000	242.692164	0.000	519515.464	4069464.648	322.251168	271.096	16.575205	55.900243	99.046	350.224280
RECTA	100.000	242.692164	0.000	519503.035	4069448.980	317.901068	278.060	12.225105	59.198976	79.573	353.523013
RECTA	120.000	242.692164	0.000	519490.605	4069433.311	313.781655	286.255	8.105692	64.607720	60.452	358.931757
RECTA	140.000	242.692164	0.000	519478.176	4069417.642	309.906718	295.579	4.230755	74.847455	42.163	369.171492
RECTA	160.000	242.692164	0.000	519465.747	4069401.973	306.281263	305.929	0.605300	98.670363	26.486	392.994400
RECTA	180.000	242.692164	0.000	519453.318	4069386.304	302.903226	317.205	397.227263	152.347010	20.639	46.671047
RECTA	200.000	242.692164	0.000	519440.888	4069370.635	299.765246	329.312	394.089283	196.670845	30.839	90.994882
RECTA	220.000	242.692164	0.000	519428.459	4069354.966	296.856301	342.161	391.180338	214.565651	47.716	108.889688
RECTA	240.000	242.692164	0.000	519416.030	4069339.297	294.163081	355.672	388.487118	222.796135	66.356	117.120172

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 41.424 Dis=-262.816 K : 0.999604817
 Distancia: 332.241 Azimut: 305.675963
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 176.883 Dis= 20.394 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	242.692164	0.000	519403.601	4069323.628	291.671073	369.772	385.995110	227.374328	85.616	121.698365
RECTA	280.000	242.692164	0.000	519391.171	4069307.960	289.365374	384.397	383.689411	230.261789	105.156	124.585826
RECTA	300.000	242.692164	0.000	519378.742	4069292.291	287.231255	399.489	381.555292	232.241609	124.844	126.565646
RECTA	320.000	242.692164	0.000	519366.313	4069276.622	285.254547	414.997	379.578584	233.681064	144.620	128.005101
RECTA	340.000	242.692164	0.000	519353.884	4069260.953	283.421872	430.876	377.745909	234.773789	164.452	129.097826
RECTA	360.000	242.692164	0.000	519341.454	4069245.284	281.720769	447.086	376.044806	235.631131	184.322	129.955168
RECTA	380.000	242.692164	0.000	519329.025	4069229.615	280.139745	463.594	374.463782	236.321516	204.219	130.645553
RECTA	400.000	242.692164	0.000	519316.596	4069213.946	278.668278	480.367	372.992315	236.889264	224.136	131.213301
RECTA	420.000	242.692164	0.000	519304.167	4069198.277	277.296781	497.380	371.620818	237.364314	244.067	131.688351
RECTA	440.000	242.692164	0.000	519291.738	4069182.608	276.016553	514.608	370.340590	237.767615	264.010	132.091652
RECTA	460.000	242.692164	0.000	519279.308	4069166.940	274.819716	532.031	369.143753	238.114253	283.963	132.438289
CIRC.	460.207	242.692164	0.000	519279.179	4069166.777	274.807722	532.212	369.131759	238.117590	284.170	132.441627
CIRC.	480.000	242.428702	0.000	519266.911	4069151.245	273.694957	549.610	368.018994	238.406805	303.925	132.730842
CIRC.	490.800	242.284941	0.000	519260.244	4069142.749	273.113574	559.155	367.437610	238.542327	314.709	132.866364

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 EJE : 15 : Ramal Aceleración MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 176.883 Dis= 20.394 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 349.853 Dis= 41.082 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	202.820060	0.000	519546.481	4069535.887	42.848594	172.039	192.578296	46.583402	345.722	396.313104
CLOT.	1.172	202.820060	0.000	519546.429	4069534.716	43.105206	171.092	192.834908	46.720774	344.817	396.450477
CLOT.	20.000	209.872404	0.000	519544.902	4069515.960	47.423698	155.870	197.153400	48.926347	330.059	398.656049
CIRC.	27.839	216.967176	0.000	519543.288	4069508.293	49.135792	149.190	198.865494	49.747031	323.449	399.476734
CLOT.	38.751	228.545058	0.000	519539.475	4069498.085	51.142218	139.281	200.871920	50.657606	313.545	0.387308
CLOT.	40.000	229.839572	0.000	519538.922	4069496.965	51.336898	138.105	201.066601	50.741852	312.366	0.471554
CLOT.	60.000	242.108310	0.000	519527.880	4069480.328	53.680575	118.693	203.410277	51.651877	292.864	1.381579
RECTA	65.417	242.692164	0.000	519524.526	4069476.073	54.212466	113.361	203.942168	51.823845	287.501	1.553547
RECTA	80.000	242.692164	0.000	519515.464	4069464.648	55.900243	99.046	205.629945	52.310026	273.071	2.039728
RECTA	100.000	242.692164	0.000	519503.035	4069448.980	59.198976	79.573	208.928678	53.066837	253.308	2.796539
RECTA	120.000	242.692164	0.000	519490.605	4069433.311	64.607720	60.452	214.337422	53.951577	233.588	3.681279
RECTA	140.000	242.692164	0.000	519478.176	4069417.642	74.847455	42.163	224.577157	54.999227	213.921	4.728929
RECTA	160.000	242.692164	0.000	519465.747	4069401.973	98.670363	26.486	248.400065	56.258586	194.324	5.988288
RECTA	180.000	242.692164	0.000	519453.318	4069386.304	152.347010	20.639	302.076713	57.799670	174.820	7.529372
RECTA	200.000	242.692164	0.000	519440.888	4069370.635	196.670845	30.839	346.400547	59.726320	155.444	9.456022
RECTA	220.000	242.692164	0.000	519428.459	4069354.966	214.565651	47.716	364.295353	62.198601	136.251	11.928303
RECTA	240.000	242.692164	0.000	519416.030	4069339.297	222.796135	66.356	372.525837	65.474608	117.330	15.204310

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 176.883 Dis= 20.394 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 349.853 Dis= 41.082 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	242.692164	0.000	519403.601	4069323.628	227.374328	85.616	377.104030	69.992445	98.839	19.722147
RECTA	280.000	242.692164	0.000	519391.171	4069307.960	230.261789	105.156	379.991492	76.536980	81.070	26.266682
RECTA	300.000	242.692164	0.000	519378.742	4069292.291	232.241609	124.844	381.971311	86.570193	64.625	36.299895
RECTA	320.000	242.692164	0.000	519366.313	4069276.622	233.681064	144.620	383.410766	102.686284	50.803	52.415986
RECTA	340.000	242.692164	0.000	519353.884	4069260.953	234.773789	164.452	384.503492	127.706020	42.264	77.435722
RECTA	360.000	242.692164	0.000	519341.454	4069245.284	235.631131	184.322	385.360833	158.107302	42.333	107.837005
RECTA	380.000	242.692164	0.000	519329.025	4069229.615	236.321516	204.219	386.051219	182.994414	50.976	132.724116
RECTA	400.000	242.692164	0.000	519316.596	4069213.946	236.889264	224.136	386.618966	198.997272	64.851	148.726974
RECTA	420.000	242.692164	0.000	519304.167	4069198.277	237.364314	244.067	387.094017	208.963765	81.323	158.693467
RECTA	440.000	242.692164	0.000	519291.738	4069182.608	237.767615	264.010	387.497317	215.470239	99.105	165.199941
RECTA	460.000	242.692164	0.000	519279.308	4069166.940	238.114253	283.963	387.843955	219.965344	117.605	169.695046
CIRC.	460.207	242.692164	0.000	519279.179	4069166.777	238.117590	284.170	387.847293	220.004507	117.799	169.734209
CIRC.	480.000	242.428702	0.000	519266.911	4069151.245	238.406805	303.925	388.136507	223.208763	136.543	172.938465
CIRC.	490.800	242.284941	0.000	519260.244	4069142.749	238.542327	314.709	388.272029	224.596086	146.897	174.325788

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 349.853 Dis= 41.082 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 490.800 Dis= 71.826 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	202.820060	0.000	519546.481	4069535.887	46.583402	345.722	207.114686	43.926176	551.120	4.457460
CLOT.	1.172	202.820060	0.000	519546.429	4069534.716	46.720774	344.817	207.252059	44.007821	550.184	4.539105
CLOT.	20.000	209.872404	0.000	519544.902	4069515.960	48.926347	330.059	209.457631	45.291601	534.864	5.822885
CIRC.	27.839	216.967176	0.000	519543.288	4069508.293	49.747031	323.449	210.278316	45.747844	528.013	6.279128
CLOT.	38.751	228.545058	0.000	519539.475	4069498.085	50.657606	313.545	211.188890	46.221409	517.830	6.752693
CLOT.	40.000	229.839572	0.000	519538.922	4069496.965	50.741852	312.366	211.273136	46.262103	516.625	6.793387
CLOT.	60.000	242.108310	0.000	519527.880	4069480.328	51.651877	292.864	212.183161	46.621197	496.854	7.152481
RECTA	65.417	242.692164	0.000	519524.526	4069476.073	51.823845	287.501	212.355129	46.666639	491.446	7.197923
RECTA	80.000	242.692164	0.000	519515.464	4069464.648	52.310026	273.071	212.841310	46.788143	476.887	7.319427
RECTA	100.000	242.692164	0.000	519503.035	4069448.980	53.066837	253.308	213.598121	46.967376	456.922	7.498660
RECTA	120.000	242.692164	0.000	519490.605	4069433.311	53.951577	233.588	214.482861	47.162986	436.961	7.694270
RECTA	140.000	242.692164	0.000	519478.176	4069417.642	54.999227	213.921	215.530511	47.377320	417.005	7.908604
RECTA	160.000	242.692164	0.000	519465.747	4069401.973	56.258586	194.324	216.789870	47.613197	397.054	8.144481
RECTA	180.000	242.692164	0.000	519453.318	4069386.304	57.799670	174.820	218.330954	47.874028	377.109	8.405312
RECTA	200.000	242.692164	0.000	519440.888	4069370.635	59.726320	155.444	220.257604	48.163985	357.171	8.695269
RECTA	220.000	242.692164	0.000	519428.459	4069354.966	62.198601	136.251	222.729885	48.488220	337.241	9.019504
RECTA	240.000	242.692164	0.000	519416.030	4069339.297	65.474608	117.330	226.005892	48.853173	317.322	9.384457

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 PROYECTO :
 EJE : 15 : Ramal Aceleración MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 349.853 Dis= 41.082 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 490.800 Dis= 71.826 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	260.000	242.692164	0.000	519403.601	4069323.628	69.992445	98.839	230.523729	49.266999	297.414	9.798283
RECTA	280.000	242.692164	0.000	519391.171	4069307.960	76.536980	81.070	237.068264	49.740176	277.520	10.271460
RECTA	300.000	242.692164	0.000	519378.742	4069292.291	86.570193	64.625	247.101477	50.286394	257.644	10.817679
RECTA	320.000	242.692164	0.000	519366.313	4069276.622	102.686284	50.803	263.217568	50.923877	237.790	11.455161
RECTA	340.000	242.692164	0.000	519353.884	4069260.953	127.706020	42.264	288.237304	51.677415	217.965	12.208699
RECTA	360.000	242.692164	0.000	519341.454	4069245.284	158.107302	42.333	318.638586	52.581593	198.176	13.112877
RECTA	380.000	242.692164	0.000	519329.025	4069229.615	182.994414	50.976	343.525698	53.686092	178.435	14.217376
RECTA	400.000	242.692164	0.000	519316.596	4069213.946	198.997272	64.851	359.528556	55.064825	158.762	15.596109
RECTA	420.000	242.692164	0.000	519304.167	4069198.277	208.963765	81.323	369.495049	56.832455	139.185	17.363739
RECTA	440.000	242.692164	0.000	519291.738	4069182.608	215.470239	99.105	376.001523	59.176184	119.750	19.707468
RECTA	460.000	242.692164	0.000	519279.308	4069166.940	219.965344	117.605	380.496628	62.421475	100.539	22.952760
CIRC.	460.207	242.692164	0.000	519279.179	4069166.777	220.004507	117.799	380.535791	62.461600	100.342	22.992884
CIRC.	480.000	242.428702	0.000	519266.911	4069151.245	223.208763	136.543	383.740047	67.209376	81.728	27.740660
CIRC.	490.800	242.284941	0.000	519260.244	4069142.749	224.596086	146.897	385.127370	70.854126	71.854	31.385410

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 GRUPO 2
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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 0.000 Dis=-231.572 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 18.588 Dis=-128.370 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	24.494157	0.000	519543.323	4069320.677	88.413895	231.664	38.143597	142.014199	131.753	291.743901

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 18.588 Dis=-128.370 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 42.314 Dis=-194.520 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	24.494157	0.000	519543.323	4069320.677	142.014199	131.753	109.456917	192.292078	220.421	359.734796
CLOT.	8.213	24.494157	0.000	519546.406	4069328.289	138.132377	129.761	105.575096	191.103610	213.270	358.546329
CLOT.	20.000	35.549582	0.000	519551.447	4069338.926	132.359721	128.455	99.802439	189.077541	203.539	356.520260
CIRC.	21.547	38.641263	0.000	519552.298	4069340.218	131.595800	128.579	99.038518	188.744530	202.413	356.187249
CIRC.	40.000	77.800548	0.000	519566.688	4069351.301	123.858961	136.969	91.301680	183.466964	194.700	350.909682
CLOT.	55.190	110.034128	0.000	519581.648	4069352.734	120.976539	150.525	88.419257	178.686763	197.714	346.129481
CLOT.	60.000	118.400537	0.000	519586.330	4069351.647	120.777106	155.309	88.219824	177.394282	200.321	344.837000
RECTA	68.523	124.181234	0.000	519594.335	4069348.729	120.853959	163.831	88.296677	175.386728	205.945	342.829446
CLOT.	75.986	124.181234	0.000	519601.266	4069345.962	120.998923	171.287	88.441642	173.765290	211.192	341.208009
CLOT.	80.000	122.899208	0.000	519605.003	4069344.499	121.062008	175.299	88.504726	172.920675	214.049	340.363393
CIRC.	87.415	113.787442	0.000	519612.082	4069342.312	120.981329	182.706	88.424047	171.308107	219.034	338.750826
CLOT.	98.197	94.175489	0.000	519622.800	4069341.641	120.046593	193.090	87.489312	168.653245	224.504	336.095963
CLOT.	100.000	91.154720	0.000	519624.591	4069341.850	119.800380	194.730	87.243099	168.179058	225.174	335.621777
RECTA	109.626	83.781697	0.000	519633.987	4069343.913	118.282656	203.105	85.725374	165.599261	228.055	333.041979
RECTA	120.000	83.781697	0.000	519644.027	4069346.527	116.675440	212.064	84.118159	162.856331	231.193	330.299049
RECTA	140.000	83.781697	0.000	519663.381	4069351.567	113.934875	229.673	81.377594	157.794261	238.405	325.236979
CLOT.	151.503	83.781697	0.000	519674.513	4069354.466	112.542305	239.971	79.985024	155.028712	243.203	322.471431

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 18.588 Dis=-128.370 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 42.314 Dis=-194.520 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	160.000	85.218173	0.000	519682.751	4069356.546	111.603211	247.673	79.045929	153.065101	247.088	320.507820
CIRC.	178.169	97.928803	0.000	519700.688	4069359.249	110.182401	264.895	77.625119	149.330746	257.591	316.773464
CIRC.	180.000	99.871233	0.000	519702.518	4069359.280	110.105332	266.698	77.548051	149.010151	258.881	316.452869
CIRC.	200.000	121.091892	0.000	519722.156	4069356.017	110.131474	286.613	77.574193	146.391108	275.492	313.833826
CLOT.	208.345	129.946082	0.000	519729.833	4069352.764	110.562764	294.719	78.005482	145.787710	283.402	313.230429
CLOT.	220.000	139.610063	0.000	519739.740	4069346.644	111.479826	305.535	78.922545	145.372532	294.897	312.815251
RECTA	235.012	144.093188	0.000	519751.511	4069337.334	112.887543	318.869	80.330262	145.238194	309.897	312.680913
RECTA	240.000	144.093188	0.000	519755.350	4069334.149	113.350203	323.281	80.792922	145.220049	314.887	312.662767
RECTA	260.000	144.093188	0.000	519770.742	4069321.378	115.084296	341.127	82.527015	145.152729	334.892	312.595447
RECTA	280.000	144.093188	0.000	519786.133	4069308.607	116.644940	359.201	84.087658	145.092998	354.897	312.535717
CLOT.	296.235	144.093188	0.000	519798.627	4069298.240	117.800300	374.018	85.243019	145.049248	371.136	312.491967
CLOT.	300.000	142.087289	0.000	519801.550	4069295.867	118.049148	377.486	85.491867	145.032926	374.902	312.475645
CIRC.	305.235	132.634032	0.000	519805.875	4069292.927	118.317700	382.466	85.760419	144.936417	380.102	312.379135
CIRC.	320.000	95.034036	0.000	519820.085	4069289.789	118.153420	396.989	85.596139	143.829595	393.016	311.272314
CLOT.	331.467	65.833235	0.000	519830.919	4069293.228	117.158807	406.472	84.601525	142.308039	399.314	309.750758
CLOT.	340.000	54.404949	0.000	519837.684	4069298.408	116.107640	411.672	83.550358	140.999410	401.531	308.442128
RECTA	340.467	54.374079	0.000	519838.037	4069298.715	116.048085	411.937	83.490803	140.926968	401.629	308.369686

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 18.588 Dis=-128.370 K : 0.999604657
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 42.314 Dis=-194.520 K : 0.999604694
 Distancia: 158.283 Azimut: 32.557281

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	356.416	54.374079	0.000	519850.062	4069309.192	114.060061	421.178	81.502779	138.475731	405.274	305.918449

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 42.314 Dis=-194.520 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 176.466 Dis=-277.615 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	24.494157	0.000	519543.323	4069320.677	192.292078	220.421	125.989200	226.412383	345.002	360.109505
CLOT.	8.213	24.494157	0.000	519546.406	4069328.289	191.103610	213.270	124.800732	226.459174	336.790	360.156296
CLOT.	20.000	35.549582	0.000	519551.447	4069338.926	189.077541	203.539	122.774663	226.396895	325.018	360.094017
CIRC.	21.547	38.641263	0.000	519552.298	4069340.218	188.744530	202.413	122.441652	226.346120	323.493	360.043242
CIRC.	40.000	77.800548	0.000	519566.688	4069351.301	183.466964	194.700	117.164086	224.541062	307.676	358.238184
CLOT.	55.190	110.034128	0.000	519581.648	4069352.734	178.686763	197.714	112.383885	221.721430	301.015	355.418552
CLOT.	60.000	118.400537	0.000	519586.330	4069351.647	177.394282	200.321	111.091404	220.709184	300.511	354.406306
RECTA	68.523	124.181234	0.000	519594.335	4069348.729	175.386728	205.945	109.083850	218.905815	300.838	352.602937
CLOT.	75.986	124.181234	0.000	519601.266	4069345.962	173.765290	211.192	107.462412	217.334838	301.548	351.031960
CLOT.	80.000	122.899208	0.000	519605.003	4069344.499	172.920675	214.049	106.617797	216.492624	301.979	350.189746
CIRC.	87.415	113.787442	0.000	519612.082	4069342.312	171.308107	219.034	105.005229	214.933349	302.370	348.630471
CLOT.	98.197	94.175489	0.000	519622.800	4069341.641	168.653245	224.504	102.350367	212.691969	300.717	346.389091
CLOT.	100.000	91.154720	0.000	519624.591	4069341.850	168.179058	225.174	101.876180	212.328308	300.163	346.025430
RECTA	109.626	83.781697	0.000	519633.987	4069343.913	165.599261	228.055	99.296383	210.432554	296.460	344.129676
RECTA	120.000	83.781697	0.000	519644.027	4069346.527	162.856331	231.193	96.553453	208.367649	292.394	342.064771
RECTA	140.000	83.781697	0.000	519663.381	4069351.567	157.794261	238.405	91.491383	204.231311	285.460	337.928433
CLOT.	151.503	83.781697	0.000	519674.513	4069354.466	155.028712	243.203	88.725835	201.766142	282.039	335.463264

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 42.314 Dis=-194.520 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 176.466 Dis=-277.615 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	160.000	85.218173	0.000	519682.751	4069356.546	153.065101	247.088	86.762223	199.904775	279.850	333.601897
CIRC.	178.169	97.928803	0.000	519700.688	4069359.249	149.330746	257.591	83.027868	195.788352	277.754	329.485474
CIRC.	180.000	99.871233	0.000	519702.518	4069359.280	149.010151	258.881	82.707273	195.369243	277.849	329.066365
CIRC.	200.000	121.091892	0.000	519722.156	4069356.017	146.391108	275.492	80.088230	191.014428	283.195	324.711550
CLOT.	208.345	129.946082	0.000	519729.833	4069352.764	145.787710	283.402	79.484832	189.432390	287.586	323.129512
CLOT.	220.000	139.610063	0.000	519739.740	4069346.644	145.372532	294.897	79.069654	187.543695	295.392	321.240817
RECTA	235.012	144.093188	0.000	519751.511	4069337.334	145.238194	309.897	78.935316	185.523193	306.972	319.220315
RECTA	240.000	144.093188	0.000	519755.350	4069334.149	145.220049	314.887	78.917171	184.904237	310.957	318.601359
RECTA	260.000	144.093188	0.000	519770.742	4069321.378	145.152729	334.892	78.849851	182.575697	327.211	316.272819
RECTA	280.000	144.093188	0.000	519786.133	4069308.607	145.092998	354.897	78.790120	180.470067	343.862	314.167189
CLOT.	296.235	144.093188	0.000	519798.627	4069298.240	145.049248	371.136	78.746370	178.906380	357.631	312.603502
CLOT.	300.000	142.087289	0.000	519801.550	4069295.867	145.032926	374.902	78.730048	178.554858	360.833	312.251980
CIRC.	305.235	132.634032	0.000	519805.875	4069292.927	144.936417	380.102	78.633539	178.012242	365.052	311.709364
CIRC.	320.000	95.034036	0.000	519820.085	4069289.789	143.829595	393.016	77.526718	175.910427	373.021	309.607549
CLOT.	331.467	65.833235	0.000	519830.919	4069293.228	142.308039	399.314	76.005162	173.979393	374.000	307.676515
CLOT.	340.000	54.404949	0.000	519837.684	4069298.408	140.999410	401.531	74.696532	172.564058	372.027	306.261180
RECTA	340.467	54.374079	0.000	519838.037	4069298.715	140.926968	401.629	74.624090	172.487302	371.896	306.184424

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 42.314 Dis=-194.520 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 176.466 Dis=-277.615 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	356.416	54.374079	0.000	519850.062	4069309.192	138.475731	405.274	72.172853	169.835407	367.736	303.532529

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 176.466 Dis=-277.615 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 199.896 Dis=-401.239 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	24.494157	0.000	519543.323	4069320.677	226.412383	345.002	160.166765	240.703546	517.379	374.457928
CLOT.	8.213	24.494157	0.000	519546.406	4069328.289	226.459174	336.790	160.213556	240.962169	509.432	374.716551
CLOT.	20.000	35.549582	0.000	519551.447	4069338.926	226.396895	325.018	160.151277	241.262487	497.899	375.016869
CIRC.	21.547	38.641263	0.000	519552.298	4069340.218	226.346120	323.493	160.100502	241.275564	496.355	375.029946
CIRC.	40.000	77.800548	0.000	519566.688	4069351.301	224.541062	307.676	158.295444	240.640089	478.848	374.394471
CLOT.	55.190	110.034128	0.000	519581.648	4069352.734	221.721430	301.015	155.475812	239.124325	468.911	372.878707
CLOT.	60.000	118.400537	0.000	519586.330	4069351.647	220.709184	300.511	154.463566	238.517278	467.120	372.271660
RECTA	68.523	124.181234	0.000	519594.335	4069348.729	218.905815	300.838	152.660197	237.388279	465.039	371.142662
CLOT.	75.986	124.181234	0.000	519601.266	4069345.962	217.334838	301.548	151.089220	236.384878	463.559	370.139261
CLOT.	80.000	122.899208	0.000	519605.003	4069344.499	216.492624	301.979	150.247006	235.843353	462.785	369.597735
CIRC.	87.415	113.787442	0.000	519612.082	4069342.312	214.933349	302.370	148.687731	234.854962	460.910	368.609344
CLOT.	98.197	94.175489	0.000	519622.800	4069341.641	212.691969	300.717	146.446352	233.527871	456.001	367.282254
CLOT.	100.000	91.154720	0.000	519624.591	4069341.850	212.328308	300.163	146.082690	233.325819	454.922	367.080201
RECTA	109.626	83.781697	0.000	519633.987	4069343.913	210.432554	296.460	144.186936	232.316659	448.492	366.071041
RECTA	120.000	83.781697	0.000	519644.027	4069346.527	208.367649	292.394	142.122031	231.234059	441.388	364.988442
RECTA	140.000	83.781697	0.000	519663.381	4069351.567	204.231311	285.460	137.985693	229.047108	428.070	362.801490
CLOT.	151.503	83.781697	0.000	519674.513	4069354.466	201.766142	282.039	135.520524	227.727481	420.651	361.481864

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 176.466 Dis=-277.615 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 199.896 Dis=-401.239 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	160.000	85.218173	0.000	519682.751	4069356.546	199.904775	279.850	133.659157	226.716592	415.340	360.470974
CIRC.	178.169	97.928803	0.000	519700.688	4069359.249	195.788352	277.754	129.542734	224.318476	405.847	358.072858
CIRC.	180.000	99.871233	0.000	519702.518	4069359.280	195.369243	277.849	129.123625	224.053339	405.139	357.807721
CIRC.	200.000	121.091892	0.000	519722.156	4069356.017	191.014428	283.195	124.768810	220.965034	401.398	354.719416
CLOT.	208.345	129.946082	0.000	519729.833	4069352.764	189.432390	287.586	123.186772	219.647602	402.080	353.401984
CLOT.	220.000	139.610063	0.000	519739.740	4069346.644	187.543695	295.392	121.298078	217.871177	405.060	351.625559
RECTA	235.012	144.093188	0.000	519751.511	4069337.334	185.523193	306.972	119.277575	215.718285	410.981	349.472668
RECTA	240.000	144.093188	0.000	519755.350	4069334.149	184.904237	310.957	118.658619	215.024438	413.157	348.778820
RECTA	260.000	144.093188	0.000	519770.742	4069321.378	182.575697	327.211	116.330079	212.316813	422.361	346.071195
RECTA	280.000	144.093188	0.000	519786.133	4069308.607	180.470067	343.862	114.224449	209.729124	432.295	343.483506
CLOT.	296.235	144.093188	0.000	519798.627	4069298.240	178.906380	357.631	112.660762	207.716999	440.863	341.471381
CLOT.	300.000	142.087289	0.000	519801.550	4069295.867	178.554858	360.833	112.309240	207.258494	442.878	341.012876
CIRC.	305.235	132.634032	0.000	519805.875	4069292.927	178.012242	365.052	111.766624	206.596140	445.332	340.350522
CIRC.	320.000	95.034036	0.000	519820.085	4069289.789	175.910427	373.021	109.664809	204.536871	447.217	338.291253
CLOT.	331.467	65.833235	0.000	519830.919	4069293.228	173.979393	374.000	107.733775	203.018801	443.140	336.773183
CLOT.	340.000	54.404949	0.000	519837.684	4069298.408	172.564058	372.027	106.318440	202.071165	437.691	335.825547
RECTA	340.467	54.374079	0.000	519838.037	4069298.715	172.487302	371.896	106.241684	202.021352	437.373	335.775735

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 176.466 Dis=-277.615 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 199.896 Dis=-401.239 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	356.416	54.374079	0.000	519850.062	4069309.192	169.835407	367.736	103.589789	200.276734	426.676	334.031116

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 199.896 Dis=-401.239 K : 0.999604857
 Distancia: 373.086 Azimut: 214.086426
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 227.866 Dis= -38.454 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	24.494157	0.000	519543.323	4069320.677	240.703546	517.379	26.617120	285.869320	232.540	271.782895
CLOT.	8.213	24.494157	0.000	519546.406	4069328.289	240.962169	509.432	26.875744	287.754722	227.955	273.668297
CLOT.	20.000	35.549582	0.000	519551.447	4069338.926	241.262487	497.899	27.176061	290.484365	221.173	276.397940
CIRC.	21.547	38.641263	0.000	519552.298	4069340.218	241.275564	496.355	27.189139	290.817255	220.143	276.730829
CIRC.	40.000	77.800548	0.000	519566.688	4069351.301	240.640089	478.848	26.553663	293.589655	204.496	279.503230
CLOT.	55.190	110.034128	0.000	519581.648	4069352.734	239.124325	468.911	25.037899	293.563653	189.462	279.477228
CLOT.	60.000	118.400537	0.000	519586.330	4069351.647	238.517278	467.120	24.430852	293.028370	184.918	278.941945
RECTA	68.523	124.181234	0.000	519594.335	4069348.729	237.388279	465.039	23.301854	291.672259	177.318	277.585833
CLOT.	75.986	124.181234	0.000	519601.266	4069345.962	236.384878	463.559	22.298453	290.312404	170.843	276.225978
CLOT.	80.000	122.899208	0.000	519605.003	4069344.499	235.843353	462.785	21.756927	289.546549	167.381	275.460123
CIRC.	87.415	113.787442	0.000	519612.082	4069342.312	234.854962	460.910	20.768537	288.233749	160.787	274.147324
CLOT.	98.197	94.175489	0.000	519622.800	4069341.641	233.527871	456.001	19.441446	287.120134	150.393	273.033708
CLOT.	100.000	91.154720	0.000	519624.591	4069341.850	233.325819	454.922	19.239394	287.053441	148.596	272.967015
RECTA	109.626	83.781697	0.000	519633.987	4069343.913	232.316659	448.492	18.230234	287.109831	138.974	273.023406
RECTA	120.000	83.781697	0.000	519644.027	4069346.527	231.234059	441.388	17.147634	287.378281	128.610	273.291855
RECTA	140.000	83.781697	0.000	519663.381	4069351.567	229.047108	428.070	14.960682	288.040311	108.640	273.953885
CLOT.	151.503	83.781697	0.000	519674.513	4069354.466	227.727481	420.651	13.641056	288.544300	97.162	274.457875

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 199.896 Dis=-401.239 K : 0.999604857
 Distancia: 373.086 Azimut: 214.086426
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 227.866 Dis= -38.454 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CLOT.	160.000	85.218173	0.000	519682.751	4069356.546	226.716592	415.340	12.630167	288.954609	88.683	274.868183
CIRC.	178.169	97.928803	0.000	519700.688	4069359.249	224.318476	405.847	10.232051	288.562743	70.543	274.476317
CIRC.	180.000	99.871233	0.000	519702.518	4069359.280	224.053339	405.139	9.966914	288.288535	68.737	274.202109
CIRC.	200.000	121.091892	0.000	519722.156	4069356.017	220.965034	401.398	6.878608	279.682952	50.480	265.596527
CLOT.	208.345	129.946082	0.000	519729.833	4069352.764	219.647602	402.080	5.561176	271.802983	44.549	257.716557
CLOT.	220.000	139.610063	0.000	519739.740	4069346.644	217.871177	405.060	3.784751	255.857081	39.450	241.770655
RECTA	235.012	144.093188	0.000	519751.511	4069337.334	215.718285	410.981	1.631860	231.405130	39.202	217.318704
RECTA	240.000	144.093188	0.000	519755.350	4069334.149	215.024438	413.157	0.938013	223.694649	40.487	209.608223
RECTA	260.000	144.093188	0.000	519770.742	4069321.378	212.316813	422.361	398.230388	199.150049	50.495	185.063623
RECTA	280.000	144.093188	0.000	519786.133	4069308.607	209.729124	432.295	395.642698	184.162854	65.277	170.076428
CLOT.	296.235	144.093188	0.000	519798.627	4069298.240	207.716999	440.863	393.630574	176.438194	78.986	162.351769
CLOT.	300.000	142.087289	0.000	519801.550	4069295.867	207.258494	442.878	393.172069	174.993508	82.279	160.907083
CIRC.	305.235	132.634032	0.000	519805.875	4069292.927	206.596140	445.332	392.509715	172.884697	86.700	158.798272
CIRC.	320.000	95.034036	0.000	519820.085	4069289.789	204.536871	447.217	390.450446	165.152299	96.139	151.065874
CLOT.	331.467	65.833235	0.000	519830.919	4069293.228	203.018801	443.140	388.932375	158.067686	99.458	143.981261
CLOT.	340.000	54.404949	0.000	519837.684	4069298.408	202.071165	437.691	387.984740	152.627264	99.867	138.540839
RECTA	340.467	54.374079	0.000	519838.037	4069298.715	202.021352	437.373	387.934927	152.329522	99.881	138.243096

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 PROYECTO :
 EJE : 8 : Camino Aldenor

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 199.896 Dis=-401.239 K : 0.999604857
 Distancia: 373.086 Azimut: 214.086426
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 227.866 Dis= -38.454 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	356.416	54.374079	0.000	519850.062	4069309.192	200.276734	426.676	386.190309	142.300799	101.652	128.214373

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 PROYECTO :
 EJE : 9 : A-1050_Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 106.259 Dis= 485.051 K : 0.999604913
 Distancia: 471.508 Azimut: 227.485482
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 113.124 Dis= 13.874 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	338.291460	0.000	519861.717	4069301.192	213.280618	509.983	385.795136	141.811356	115.769	114.325874
RECTA	20.000	338.291460	0.000	519845.227	4069312.510	215.622079	502.663	388.136597	142.546143	95.798	115.060661
CLOT.	27.905	338.291460	0.000	519838.710	4069316.983	216.565909	499.962	389.080427	142.928599	87.910	115.443117
CIRC.	36.238	337.407265	0.000	519831.817	4069321.667	217.573317	497.270	390.087835	143.444602	79.601	115.959120
CIRC.	40.000	336.609004	0.000	519828.673	4069323.732	218.033854	496.152	390.548372	143.763363	75.858	116.277881
CLOT.	45.271	335.490437	0.000	519824.225	4069326.560	218.685456	494.706	391.199974	144.337886	70.626	116.852404
RECTA	53.604	334.606243	0.000	519817.113	4069330.903	219.727980	492.671	392.242498	145.594255	62.393	118.108773
RECTA	60.000	334.606243	0.000	519811.639	4069334.211	220.534633	491.229	393.049151	146.841262	56.101	119.355780
CLOT.	67.286	334.606243	0.000	519805.404	4069337.979	221.459187	489.682	393.973705	148.651515	48.966	121.166033
CLOT.	80.000	333.176932	0.000	519794.474	4069344.473	223.088104	487.327	395.602622	153.647263	36.689	126.161781
CIRC.	81.686	332.772778	0.000	519793.009	4069345.308	223.305875	487.069	395.820393	154.623125	35.095	127.137643
CIRC.	100.000	328.109101	0.000	519776.753	4069353.734	225.693938	485.362	398.208456	177.495386	19.317	150.009904
CLOT.	107.470	326.206821	0.000	519769.952	4069356.825	226.674125	485.248	399.188643	200.491110	15.031	173.005628
CLOT.	120.000	324.404283	0.000	519758.382	4069361.633	228.316608	485.724	0.831126	254.265501	15.528	226.780019
RECTA	121.870	324.373356	0.000	519756.647	4069362.332	228.561302	485.843	1.075820	260.730635	16.459	233.245153
RECTA	140.000	324.373356	0.000	519739.830	4069369.104	230.925822	487.372	3.440340	294.237574	30.374	266.752092
RECTA	160.000	324.373356	0.000	519721.278	4069376.576	233.513140	489.832	6.027658	306.148584	49.038	278.663102

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 PROYECTO :
 EJE : 9 : A-1050_Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 106.259 Dis= 485.051 K : 0.999604913
 Distancia: 471.508 Azimut: 227.485482
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 113.124 Dis= 13.874 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	180.000	324.373356	0.000	519702.726	4069384.047	236.070425	493.092	8.584943	311.408057	68.465	283.922575
RECTA	200.000	324.373356	0.000	519684.174	4069391.519	238.590112	497.137	11.104630	314.331519	88.152	286.846037
RECTA	214.205	324.373356	0.000	519670.998	4069396.825	240.353059	500.476	12.867577	315.721974	102.211	288.236492

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 PROYECTO :
 EJE : 9 : A-1050_Sur

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 113.124 Dis= 13.874 K : 0.999604817
 Distancia: 373.086 Azimut: 14.086426
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 172.976 Dis= 381.922 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	338.291460	0.000	519861.717	4069301.192	141.811356	115.769	127.724930	198.564184	434.785	384.477758
RECTA	20.000	338.291460	0.000	519845.227	4069312.510	142.546143	95.798	128.459718	201.006125	423.405	386.919699
CLOT.	27.905	338.291460	0.000	519838.710	4069316.983	142.928599	87.910	128.842174	202.007247	419.086	387.920821
CIRC.	36.238	337.407265	0.000	519831.817	4069321.667	143.444602	79.601	129.358177	203.088012	414.680	389.001586
CIRC.	40.000	336.609004	0.000	519828.673	4069323.732	143.763363	75.858	129.676938	203.587948	412.781	389.501522
CLOT.	45.271	335.490437	0.000	519824.225	4069326.560	144.337886	70.626	130.251460	204.302177	410.233	390.215751
RECTA	53.604	334.606243	0.000	519817.113	4069330.903	145.594255	62.393	131.507830	205.460056	406.446	391.373630
RECTA	60.000	334.606243	0.000	519811.639	4069334.211	146.841262	56.101	132.754837	206.365224	403.659	392.278798
CLOT.	67.286	334.606243	0.000	519805.404	4069337.979	148.651515	48.966	134.565089	207.411488	400.585	393.325063
CLOT.	80.000	333.176932	0.000	519794.474	4069344.473	153.647263	36.689	139.560837	209.281056	395.572	395.194630
CIRC.	81.686	332.772778	0.000	519793.009	4069345.308	154.623125	35.095	140.536699	209.534270	394.962	395.447844
CIRC.	100.000	328.109101	0.000	519776.753	4069353.734	177.495386	19.317	163.408961	212.369532	389.440	398.283107
CLOT.	107.470	326.206821	0.000	519769.952	4069356.825	200.491110	15.031	186.404685	213.563455	387.788	399.477030
CLOT.	120.000	324.404283	0.000	519758.382	4069361.633	254.265501	15.528	240.179075	215.598765	385.731	1.512339
RECTA	121.870	324.373356	0.000	519756.647	4069362.332	260.730635	16.459	246.644209	215.904822	385.478	1.818396
RECTA	140.000	324.373356	0.000	519739.830	4069369.104	294.237574	30.374	280.151148	218.890136	383.495	4.803710
RECTA	160.000	324.373356	0.000	519721.278	4069376.576	306.148584	49.038	292.062159	222.211137	382.293	8.124712

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 PROYECTO :
 EJE : 9 : A-1050_Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 113.124 Dis= 13.874 K : 0.999604817
 Distancia: 373.086 Azimut: 14.086426
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 172.976 Dis= 381.922 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	180.000	324.373356	0.000	519702.726	4069384.047	311.408057	68.465	297.321631	225.543943	382.138	11.457517
RECTA	200.000	324.373356	0.000	519684.174	4069391.519	314.331519	88.152	300.245093	228.870349	383.028	14.783923
RECTA	214.205	324.373356	0.000	519670.998	4069396.825	315.721974	102.211	301.635548	231.219114	384.293	17.132688

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 PROYECTO :
 EJE : 9 : A-1050_Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 172.976 Dis= 381.922 K : 0.999604857
 Distancia: 388.606 Azimut: 266.273902
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 214.205 Dis= 210.074 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	338.291460	0.000	519861.717	4069301.192	198.564184	434.785	332.290282	138.469518	419.416	72.195615
RECTA	20.000	338.291460	0.000	519845.227	4069312.510	201.006125	423.405	334.732223	138.478437	399.408	72.204535
CLOT.	27.905	338.291460	0.000	519838.710	4069316.983	202.007247	419.086	335.733345	138.482214	391.500	72.208312
CIRC.	36.238	337.407265	0.000	519831.817	4069321.667	203.088012	414.680	336.814110	138.492777	383.164	72.218875
CIRC.	40.000	336.609004	0.000	519828.673	4069323.732	203.587948	412.781	337.314046	138.507501	379.402	72.233599
CLOT.	45.271	335.490437	0.000	519824.225	4069326.560	204.302177	410.233	338.028275	138.542133	374.133	72.268231
RECTA	53.604	334.606243	0.000	519817.113	4069330.903	205.460056	406.446	339.186154	138.625067	365.810	72.351165
RECTA	60.000	334.606243	0.000	519811.639	4069334.211	206.365224	403.659	340.091322	138.696559	359.425	72.422657
CLOT.	67.286	334.606243	0.000	519805.404	4069337.979	207.411488	400.585	341.137586	138.781160	352.152	72.507258
CLOT.	80.000	333.176932	0.000	519794.474	4069344.473	209.281056	395.572	343.007154	138.955279	339.468	72.681377
CIRC.	81.686	332.772778	0.000	519793.009	4069345.308	209.534270	394.962	343.260367	138.985072	337.789	72.711170
CIRC.	100.000	328.109101	0.000	519776.753	4069353.734	212.369532	389.440	346.095630	139.473232	319.646	73.199330
CLOT.	107.470	326.206821	0.000	519769.952	4069356.825	213.563455	387.788	347.289553	139.766072	312.315	73.492170
CLOT.	120.000	324.404283	0.000	519758.382	4069361.633	215.598765	385.731	349.324863	140.374230	300.127	74.100327
RECTA	121.870	324.373356	0.000	519756.647	4069362.332	215.904822	385.478	349.630920	140.473468	298.315	74.199566
RECTA	140.000	324.373356	0.000	519739.830	4069369.104	218.890136	383.495	352.616234	141.502403	280.792	75.228501
RECTA	160.000	324.373356	0.000	519721.278	4069376.576	222.211137	382.293	355.937235	142.797029	261.558	76.523127

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 PROYECTO :
 EJE : 9 : A-1050_Sur

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 172.976 Dis= 381.922 K : 0.999604857
 Distancia: 388.606 Azimut: 266.273902
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 214.205 Dis= 210.074 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	180.000	324.373356	0.000	519702.726	4069384.047	225.543943	382.138	359.270041	144.296431	242.449	78.022529
RECTA	200.000	324.373356	0.000	519684.174	4069391.519	228.870349	383.028	362.596447	146.051230	223.498	79.777328
RECTA	214.205	324.373356	0.000	519670.998	4069396.825	231.219114	384.293	364.945212	147.489007	210.157	81.215105

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 PROYECTO :
 EJE : 11 : Vía Servicio Norte MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 0.000 Dis= -98.360 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 74.002 Dis= 19.963 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	40.411931	0.000	519379.319	4069353.672	44.885048	98.399	394.614750	257.186449	76.677	6.916152
RECTA	20.000	40.411931	0.000	519391.179	4069369.776	44.129538	118.365	393.859240	262.954324	57.596	12.684026
RECTA	40.000	40.411931	0.000	519403.040	4069385.880	43.592181	138.344	393.321884	274.209902	39.444	23.939604
RECTA	60.000	40.411931	0.000	519414.900	4069401.984	43.190463	158.330	392.920165	301.473353	24.393	51.203055
RECTA	80.000	40.411931	0.000	519426.760	4069418.088	42.878805	178.321	392.608508	358.994557	20.853	108.724259
CLOT.	88.510	40.411931	0.000	519431.806	4069424.940	42.766424	186.828	392.496127	380.421024	24.688	130.150726
CLOT.	100.000	39.830285	0.000	519438.592	4069434.213	42.618756	198.314	392.348458	398.670083	32.813	148.399786
CIRC.	117.410	36.732268	0.000	519448.490	4069448.533	42.286753	215.696	392.016455	12.294502	48.024	162.024204
CIRC.	120.000	36.072710	0.000	519449.892	4069450.711	42.217002	218.276	391.946704	13.503588	50.441	163.233290
CLOT.	129.503	33.652843	0.000	519454.839	4069458.824	41.910689	227.721	391.640391	16.853953	59.499	166.583655
CLOT.	140.000	31.465219	0.000	519459.965	4069467.984	41.496226	238.112	391.225928	19.183740	69.732	168.913443
RECTA	158.403	29.973181	0.000	519468.441	4069484.318	40.708096	256.266	390.437798	21.535444	87.913	171.265146
RECTA	160.000	29.973181	0.000	519469.165	4069485.742	40.641887	257.841	390.371589	21.685646	89.497	171.415349
CLOT.	178.885	29.973181	0.000	519477.732	4069502.572	39.916290	276.487	389.645992	23.127965	108.257	172.857667
CLOT.	180.000	29.997924	0.000	519478.238	4069503.565	39.876523	277.589	389.606225	23.197743	109.367	172.927445
CLOT.	200.000	38.843138	0.000	519488.164	4069520.909	39.421567	297.474	389.151269	24.723483	129.154	174.453185
CIRC.	214.440	55.123591	0.000	519497.737	4069531.667	39.738359	311.801	389.468061	26.858059	142.822	176.587762

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 PROYECTO :
 EJE : 11 : Vía Servicio Norte MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 0.000 Dis= -98.360 K : 0.999604598
 Distancia: 174.272 Azimut: 50.270298
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 74.002 Dis= 19.963 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	220.000	62.988914	0.000	519502.183	4069534.999	40.071794	317.110	389.801496	28.018755	147.709	177.748457
CIRC.	240.000	91.283126	0.000	519520.753	4069541.971	42.152774	333.862	391.882477	33.444889	162.523	183.174591
CIRC.	260.000	119.577338	0.000	519540.517	4069540.281	45.222407	345.086	394.952109	40.105208	171.916	189.834910
CIRC.	263.354	124.322050	0.000	519543.672	4069539.148	45.798322	346.299	395.528025	41.290548	172.890	191.020250

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 PROYECTO :
 EJE : 11 : Vía Servicio Norte MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 74.002 Dis= 19.963 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 235.458 Dis= 1.778 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	40.411931	0.000	519379.319	4069353.672	257.186449	76.677	224.629168	240.547307	231.111	7.990026
RECTA	20.000	40.411931	0.000	519391.179	4069369.776	262.954324	57.596	230.397042	240.560138	211.103	8.002857
RECTA	40.000	40.411931	0.000	519403.040	4069385.880	274.209902	39.444	241.652621	240.575656	191.095	8.018374
RECTA	60.000	40.411931	0.000	519414.900	4069401.984	301.473353	24.393	268.916071	240.594802	171.087	8.037521
RECTA	80.000	40.411931	0.000	519426.760	4069418.088	358.994557	20.853	326.437276	240.619021	151.080	8.061739
CLOT.	88.510	40.411931	0.000	519431.806	4069424.940	380.421024	24.688	347.863742	240.631387	142.566	8.074105
CLOT.	100.000	39.830285	0.000	519438.592	4069434.213	398.670083	32.813	366.112802	240.667635	131.072	8.110353
CIRC.	117.410	36.732268	0.000	519448.490	4069448.533	12.294502	48.024	379.737220	240.999084	113.669	8.441803
CIRC.	120.000	36.072710	0.000	519449.892	4069450.711	13.503588	50.441	380.946306	241.106209	111.084	8.548927
CLOT.	129.503	33.652843	0.000	519454.839	4069458.824	16.853953	59.499	384.296671	241.689271	101.628	9.131989
CLOT.	140.000	31.465219	0.000	519459.965	4069467.984	19.183740	69.732	386.626459	242.745624	91.250	10.188343
RECTA	158.403	29.973181	0.000	519468.441	4069484.318	21.535444	87.913	388.978162	245.812095	73.266	13.254814
RECTA	160.000	29.973181	0.000	519469.165	4069485.742	21.685646	89.497	389.128365	246.161346	71.719	13.604064
CLOT.	178.885	29.973181	0.000	519477.732	4069502.572	23.127965	108.257	390.570683	251.808522	53.645	19.251241
CLOT.	180.000	29.997924	0.000	519478.238	4069503.565	23.197743	109.367	390.640462	252.262508	52.596	19.705226
CLOT.	200.000	38.843138	0.000	519488.164	4069520.909	24.723483	129.154	392.166201	263.412489	34.025	30.855208
CIRC.	214.440	55.123591	0.000	519497.737	4069531.667	26.858059	142.822	394.300778	275.372338	20.497	42.815057

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 PROYECTO :
 EJE : 11 : Vía Servicio Norte MA

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 74.002 Dis= 19.963 K : 0.999604657
 Distancia: 158.283 Azimut: 32.557281
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 235.458 Dis= 1.778 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	220.000	62.988914	0.000	519502.183	4069534.999	28.018755	147.709	395.461473	281.287937	15.185	48.730655
CIRC.	240.000	91.283126	0.000	519520.753	4069541.971	33.444889	162.523	0.887607	63.898578	4.794	231.341297
CIRC.	260.000	119.577338	0.000	519540.517	4069540.281	40.105208	171.916	7.547927	97.636395	23.831	265.079114
CIRC.	263.354	124.322050	0.000	519543.672	4069539.148	41.290548	172.890	8.733266	100.588090	26.973	268.030808

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 235.458 Dis= 1.778 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 263.354 Dis=-169.300 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	40.411931	0.000	519379.319	4069353.672	240.547307	231.111	174.244429	252.216863	414.515	385.913985
RECTA	20.000	40.411931	0.000	519391.179	4069369.776	240.560138	211.103	174.257260	252.811604	394.868	386.508726
RECTA	40.000	40.411931	0.000	519403.040	4069385.880	240.575656	191.095	174.272778	253.468566	375.258	387.165688
RECTA	60.000	40.411931	0.000	519414.900	4069401.984	240.594802	171.087	174.291924	254.197887	355.693	387.895009
RECTA	80.000	40.411931	0.000	519426.760	4069418.088	240.619021	151.080	174.316143	255.011990	336.180	388.709112
CLOT.	88.510	40.411931	0.000	519431.806	4069424.940	240.631387	142.566	174.328509	255.387746	327.895	389.084868
CLOT.	100.000	39.830285	0.000	519438.592	4069434.213	240.667635	131.072	174.364757	255.933076	316.737	389.630198
CIRC.	117.410	36.732268	0.000	519448.490	4069448.533	240.999084	113.669	174.696206	256.932270	300.007	390.629393
CIRC.	120.000	36.072710	0.000	519449.892	4069450.711	241.106209	111.084	174.803331	257.107963	297.551	390.805085
CLOT.	129.503	33.652843	0.000	519454.839	4069458.824	241.689271	101.628	175.386393	257.825782	288.638	391.522904
CLOT.	140.000	31.465219	0.000	519459.965	4069467.984	242.745624	91.250	176.442747	258.754867	278.988	392.451989
RECTA	158.403	29.973181	0.000	519468.441	4069484.318	245.812095	73.266	179.509217	260.674284	262.485	394.371406
RECTA	160.000	29.973181	0.000	519469.165	4069485.742	246.161346	71.719	179.858468	260.854986	261.070	394.552108
CLOT.	178.885	29.973181	0.000	519477.732	4069502.572	251.808522	53.645	185.505644	263.149042	244.516	396.846164
CLOT.	180.000	29.997924	0.000	519478.238	4069503.565	252.262508	52.596	185.959630	263.294198	243.549	396.991320
CLOT.	200.000	38.843138	0.000	519488.164	4069520.909	263.412489	34.025	197.109611	265.867778	225.951	399.564900
CIRC.	214.440	55.123591	0.000	519497.737	4069531.667	275.372338	20.497	209.069460	267.175703	212.265	0.872825

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 PROYECTO :
 EJE : 11 : Vía Servicio Norte MA

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 235.458 Dis= 1.778 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 263.354 Dis=-169.300 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	220.000	62.988914	0.000	519502.183	4069534.999	281.287937	15.185	214.985059	267.393395	206.753	1.090517
CIRC.	240.000	91.283126	0.000	519520.753	4069541.971	63.898578	4.794	397.595700	266.364446	187.165	0.061568
CIRC.	260.000	119.577338	0.000	519540.517	4069540.281	97.636395	23.831	31.333517	262.115156	171.324	395.812278
CIRC.	263.354	124.322050	0.000	519543.672	4069539.148	100.588090	26.973	34.285212	261.096988	169.367	394.794110

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 PROYECTO :
 EJE : 12 : A-1050_Norte

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 94.638 Dis= 26.532 K : 0.999604694
 Distancia: 191.956 Azimut: 66.302878
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 102.528 Dis=-164.321 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	170.443709	0.000	519488.500	4069637.321	382.143436	101.947	315.840558	300.340401	193.912	34.037523
CLOT.	8.044	170.443709	0.000	519492.102	4069630.129	383.138996	94.047	316.836118	297.940418	190.405	31.637540
CLOT.	20.000	170.127751	0.000	519497.473	4069619.447	384.985613	82.362	318.682735	294.217396	185.698	27.914518
CLOT.	40.000	168.186449	0.000	519506.747	4069601.728	389.908714	63.147	323.605836	287.628878	179.025	21.326000
CLOT.	60.000	164.476759	0.000	519516.797	4069584.440	0.121079	45.061	333.818201	280.677386	173.534	14.374508
CIRC.	65.644	163.109850	0.000	519519.836	4069579.683	4.927759	40.423	338.624881	278.661740	172.141	12.358862
CIRC.	80.000	159.454225	0.000	519528.037	4069567.903	24.076051	30.686	357.773173	273.442053	168.837	7.139175
CIRC.	100.000	154.361267	0.000	519540.561	4069552.317	68.393916	27.136	2.091038	265.958712	164.837	399.655834
CIRC.	102.528	153.717630	0.000	519542.231	4069550.420	74.043046	27.810	7.740168	264.996552	164.386	398.693674

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 PROYECTO :
 EJE : 14 : Vía de Servicio Norte AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 0.000 Dis=-153.709 K : 0.999604857
 Distancia: 373.086 Azimut: 214.086426
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 29.415 Dis=-280.108 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	264.070242	0.000	519720.678	4069655.676	265.142718	153.769	51.056292	389.031771	288.207	374.945346
CLOT.	9.890	264.070242	0.000	519712.322	4069650.386	265.077886	163.662	50.991460	386.986008	284.573	372.899582
CLOT.	20.000	269.275815	0.000	519703.638	4069645.215	265.120211	173.772	51.033786	384.823852	281.433	370.737426
CIRC.	25.515	276.504222	0.000	519698.628	4069642.918	265.350755	179.249	51.264329	383.594864	280.435	369.508439
CIRC.	40.000	299.557744	0.000	519684.476	4069640.225	267.010449	192.822	52.924023	380.345662	281.806	366.259237
CLOT.	40.290	300.018514	0.000	519684.186	4069640.224	267.057474	193.074	52.971048	380.283281	281.893	366.196855
RECTA	55.915	312.452494	0.000	519668.720	4069642.254	269.973019	205.731	55.886594	377.171127	288.888	363.084701
RECTA	60.000	312.452494	0.000	519664.713	4069643.048	270.743618	208.957	56.657193	376.410962	291.060	362.324536
RECTA	80.000	312.452494	0.000	519645.094	4069646.935	274.192192	225.153	60.105766	372.852574	302.264	358.766148
CLOT.	88.946	312.452494	0.000	519636.319	4069648.674	275.577384	232.589	61.490958	371.347027	307.564	357.260601
CLOT.	100.000	310.531640	0.000	519625.455	4069650.713	277.145497	241.977	63.059071	369.544098	314.255	355.457673
CIRC.	109.196	306.006719	0.000	519616.343	4069651.936	278.252158	250.120	64.165732	368.044321	319.626	353.957895
CIRC.	120.000	299.128433	0.000	519605.552	4069652.371	279.237488	260.176	65.151062	366.233345	325.333	352.146919
CLOT.	133.533	290.512774	0.000	519592.074	4069651.272	280.001140	273.320	65.914714	363.891856	331.430	349.805430
CLOT.	140.000	287.053349	0.000	519585.710	4069650.128	280.201055	279.730	66.114630	362.750931	333.939	348.664506
RECTA	153.783	284.066999	0.000	519572.306	4069646.924	280.429219	293.479	66.342794	360.317948	338.920	346.231522
RECTA	160.000	284.066999	0.000	519566.283	4069645.384	280.504668	299.689	66.418242	359.237459	341.236	345.151033

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 PROYECTO :
 EJE : 14 : Vía de Servicio Norte AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 0.000 Dis=-153.709 K : 0.999604857
 Distancia: 373.086 Azimut: 214.086426
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 29.415 Dis=-280.108 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	180.000	284.066999	0.000	519546.906	4069640.431	280.727518	319.667	66.641092	355.863497	349.333	341.777071
RECTA	200.000	284.066999	0.000	519527.529	4069635.477	280.924148	339.649	66.837723	352.650957	358.366	338.564532
RECTA	220.000	284.066999	0.000	519508.152	4069630.524	281.098927	359.634	67.012502	349.603703	368.266	335.517278
RECTA	230.836	284.066999	0.000	519497.654	4069627.840	281.185746	370.463	67.099321	348.022012	373.967	333.935587

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 29.415 Dis=-280.108 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 41.983 Dis= -3.977 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	264.070242	0.000	519720.678	4069655.676	389.031771	288.207	9.426099	70.193197	42.986	290.587524
CLOT.	9.890	264.070242	0.000	519712.322	4069650.386	386.986008	284.573	7.380335	72.017986	33.152	292.412313
CLOT.	20.000	269.275815	0.000	519703.638	4069645.215	384.823852	281.433	5.218179	74.732613	23.110	295.126940
CIRC.	25.515	276.504222	0.000	519698.628	4069642.918	383.594864	280.435	3.989192	75.390724	17.600	295.785052
CIRC.	40.000	299.557744	0.000	519684.476	4069640.225	380.345662	281.806	0.739990	31.707285	4.487	252.101612
CLOT.	40.290	300.018514	0.000	519684.186	4069640.224	380.283281	281.893	0.677608	27.992433	4.355	248.386761
RECTA	55.915	312.452494	0.000	519668.720	4069642.254	377.171127	288.888	397.565454	326.308383	14.870	146.702710
RECTA	60.000	312.452494	0.000	519664.713	4069643.048	376.410962	291.060	396.805290	323.331629	18.881	143.725957
RECTA	80.000	312.452494	0.000	519645.094	4069646.935	372.852574	302.264	393.246901	317.734091	38.747	138.128418
CLOT.	88.946	312.452494	0.000	519636.319	4069648.674	371.347027	307.564	391.741354	316.743700	47.672	137.138027
CLOT.	100.000	310.531640	0.000	519625.455	4069650.713	369.544098	314.255	389.938426	315.815615	58.703	136.209943
CIRC.	109.196	306.006719	0.000	519616.343	4069651.936	368.044321	319.626	388.438648	314.824817	67.848	135.219144
CIRC.	120.000	299.128433	0.000	519605.552	4069652.371	366.233345	325.333	386.627672	313.147692	78.479	133.542020
CLOT.	133.533	290.512774	0.000	519592.074	4069651.272	363.891856	331.430	384.286184	310.475388	91.531	130.869716
CLOT.	140.000	287.053349	0.000	519585.710	4069650.128	362.750931	333.939	383.145259	309.059153	97.648	129.453480
RECTA	153.783	284.066999	0.000	519572.306	4069646.924	360.317948	338.920	380.712275	306.136578	110.584	126.530905
RECTA	160.000	284.066999	0.000	519566.283	4069645.384	359.237459	341.236	379.631786	304.981376	116.452	125.375704

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 PROYECTO :
 EJE : 14 : Vía de Servicio Norte AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 29.415 Dis=-280.108 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 41.983 Dis= -3.977 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	180.000	284.066999	0.000	519546.906	4069640.431	355.863497	349.333	376.257824	301.948249	135.544	122.342577
RECTA	200.000	284.066999	0.000	519527.529	4069635.477	352.650957	358.366	373.045285	299.667867	154.867	120.062194
RECTA	220.000	284.066999	0.000	519508.152	4069630.524	349.603703	368.266	369.998031	297.895139	174.345	118.289467
RECTA	230.836	284.066999	0.000	519497.654	4069627.840	348.022012	373.967	368.416340	297.090958	184.945	117.485286

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 PROYECTO :
 EJE : 14 : Vía de Servicio Norte AL

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 41.983 Dis= -3.977 K : 0.999604774
 Distancia: 191.956 Azimut: 266.302878
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 230.836 Dis= -90.473 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	264.070242	0.000	519720.678	4069655.676	70.193197	42.986	203.890319	67.014445	234.877	0.711567
CLOT.	9.890	264.070242	0.000	519712.322	4069650.386	72.017986	33.152	205.715108	67.143868	224.994	0.840990
CLOT.	20.000	269.275815	0.000	519703.638	4069645.215	74.732613	23.110	208.429735	67.206845	214.885	0.903967
CIRC.	25.515	276.504222	0.000	519698.628	4069642.918	75.390724	17.600	209.087847	67.064154	209.392	0.761276
CIRC.	40.000	299.557744	0.000	519684.476	4069640.225	31.707285	4.487	165.404407	65.548596	195.810	399.245719
CLOT.	40.290	300.018514	0.000	519684.186	4069640.224	27.992433	4.355	161.689555	65.500298	195.561	399.197420
RECTA	55.915	312.452494	0.000	519668.720	4069642.254	326.308383	14.870	60.005505	62.128546	183.611	395.825668
RECTA	60.000	312.452494	0.000	519664.713	4069643.048	323.331629	18.881	57.028751	61.105494	180.759	394.802616
RECTA	80.000	312.452494	0.000	519645.094	4069646.935	317.734091	38.747	51.431213	55.610200	167.538	389.307322
CLOT.	88.946	312.452494	0.000	519636.319	4069648.674	316.743700	47.672	50.440822	52.871465	162.075	386.568588
CLOT.	100.000	310.531640	0.000	519625.455	4069650.713	315.815615	58.703	49.512737	49.255789	155.678	382.952911
CIRC.	109.196	306.006719	0.000	519616.343	4069651.936	314.824817	67.848	48.521939	46.131952	150.364	379.829075
CIRC.	120.000	299.128433	0.000	519605.552	4069652.371	313.147692	78.479	46.844814	42.423326	143.779	376.120448
CLOT.	133.533	290.512774	0.000	519592.074	4069651.272	310.475388	91.531	44.172510	37.739478	134.945	371.436600
CLOT.	140.000	287.053349	0.000	519585.710	4069650.128	309.059153	97.648	42.756275	35.475634	130.521	369.172756
RECTA	153.783	284.066999	0.000	519572.306	4069646.924	306.136578	110.584	39.833700	30.378255	121.097	364.075377
RECTA	160.000	284.066999	0.000	519566.283	4069645.384	304.981376	116.452	38.678499	27.851425	117.053	361.548547

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 PROYECTO :
 EJE : 14 : Vía de Servicio Norte AL

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 41.983 Dis= -3.977 K : 0.999604774
 Distancia: 191.956 Azimut: 266.302878
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 230.836 Dis= -90.473 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	180.000	284.066999	0.000	519546.906	4069640.431	301.948249	135.544	35.645371	18.488196	105.491	352.185318
RECTA	200.000	284.066999	0.000	519527.529	4069635.477	299.667867	154.867	33.364989	7.137985	96.726	340.835107
RECTA	220.000	284.066999	0.000	519508.152	4069630.524	297.895139	174.345	31.592261	394.038332	91.564	327.735454
RECTA	230.836	284.066999	0.000	519497.654	4069627.840	297.090958	184.945	30.788080	386.489139	90.509	320.186261

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 PROYECTO :
 EJE : 16 : Vial Viviendas

pagina 1

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 0.000 Dis= 200.812 K : 0.999604774
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 8.496 Dis= 259.451 K : 0.999604657

TIPO	PK Estac.	Azimet	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	212.678874	0.000	519698.663	4069436.138	194.817343	200.891	343.726359	91.529352	261.802	40.438368

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 PROYECTO :
 EJE : 16 : Vial Viviendas

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 8.496 Dis= 259.451 K : 0.999604657
 Distancia: 174.272 Azimut: 250.270298
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 10.878 Dis= 409.537 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	212.678874	0.000	519698.663	4069436.138	91.529352	261.802	241.259054	75.185479	414.317	24.915181

Istram 22.06.06.06 15/06/22 12:19:13 1090
 PROYECTO :
 EJE : 16 : Vial Viviendas

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 10.878 Dis= 409.537 K : 0.999604598
 Distancia: 464.111 Azimut: 87.139207
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 102.774 Dis= 1.811 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	212.678874	0.000	519698.663	4069436.138	75.185479	414.317	388.046272	346.664520	96.120	59.525313
CIRC.	5.788	212.678874	0.000	519697.518	4069430.464	75.931084	411.129	388.791877	343.261817	93.307	56.122610
RECTA	16.574	136.384793	0.000	519701.471	4069421.114	77.502137	411.477	390.362930	339.650389	84.488	52.511182
RECTA	20.000	136.384793	0.000	519704.353	4069419.261	77.923466	413.549	390.784259	339.788391	81.065	52.649184
RECTA	40.000	136.384793	0.000	519721.174	4069408.442	80.299838	425.994	393.160631	340.902554	61.095	53.763347
RECTA	60.000	136.384793	0.000	519737.996	4069397.624	82.538392	438.998	395.399185	343.097125	41.162	55.957918
RECTA	80.000	136.384793	0.000	519754.817	4069386.806	84.645704	452.514	397.506497	349.380405	21.369	62.241198
CLOT.	91.663	136.384793	0.000	519764.626	4069380.497	85.816718	460.613	398.677511	364.245498	10.222	77.106291
CIRC.	96.996	150.531899	0.000	519768.877	4069377.295	86.374159	464.071	399.234952	386.294941	5.577	99.155734
CIRC.	100.000	166.469482	0.000	519770.695	4069374.913	86.745553	465.349	399.606346	12.845353	3.129	125.706146
RECTA	106.220	199.469495	0.000	519772.321	4069368.981	87.585177	465.755	0.445970	157.609360	3.648	270.470153
RECTA	119.522	199.469495	0.000	519772.432	4069355.680	89.381435	463.469	2.242228	190.758987	16.347	303.619780

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GRUPO 3

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 PROYECTO :
 EJE : 13 : Camino Noroeste

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* * * DATOS PARA REPLANTEO DE PUNTOS * * *

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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 0.000 Dis=-379.596 K : 0.999604857
 Distancia: 196.650 Azimut: 266.245618
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 11.963 Dis=-186.255 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	179.672009	0.000	519501.737	4069589.176	274.772125	379.746	8.526508	283.755405	186.713	217.509787

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 PROYECTO :
 EJE : 13 : Camino Noroeste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 11.963 Dis=-186.255 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 24.093 Dis=-329.527 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	179.672009	0.000	519501.737	4069589.176	283.755405	186.713	104.149732	343.338603	345.437	363.732931
CIRC.	12.688	179.672009	0.000	519505.720	4069577.129	279.424349	186.330	99.818677	342.034731	334.826	362.429059
CIRC.	20.000	218.464811	0.000	519505.826	4069569.930	277.107976	188.642	97.502303	340.951059	330.373	361.345386
RECTA	24.563	242.670620	0.000	519503.731	4069565.908	276.103772	192.044	96.498099	340.086511	329.667	360.480839
RECTA	40.000	242.670620	0.000	519494.141	4069553.810	273.705205	205.552	94.099533	337.114505	330.654	357.508832
RECTA	60.000	242.670620	0.000	519481.717	4069538.137	271.034034	223.426	91.428362	333.301672	332.995	353.696000
CIRC.	63.037	242.670620	0.000	519479.831	4069535.757	270.665525	226.171	91.059852	332.727927	333.454	353.122255
CIRC.	80.000	229.171740	0.000	519470.776	4069521.451	268.340674	240.809	88.735002	329.509171	334.731	349.903498
RECTA	80.600	228.694235	0.000	519470.513	4069520.911	268.248780	241.298	88.643108	329.395006	334.726	349.789334
RECTA	100.000	228.694235	0.000	519462.062	4069503.449	265.452944	257.327	85.847272	325.705848	335.075	346.100175
CIRC.	115.734	228.694235	0.000	519455.208	4069489.286	263.431669	270.652	83.825996	322.727361	336.181	343.121689
CIRC.	120.000	229.237406	0.000	519453.333	4069485.454	262.921270	274.318	83.315598	321.924108	336.626	342.318435
CIRC.	140.000	231.783885	0.000	519444.111	4069467.709	260.794569	291.950	81.188897	318.208817	339.895	338.603145
CIRC.	160.000	234.330364	0.000	519434.187	4069450.346	259.061489	310.203	79.455817	314.615817	345.068	335.010144
CIRC.	180.000	236.876843	0.000	519423.576	4069433.394	257.666728	328.945	78.061055	311.191203	352.054	331.585530
CIRC.	200.000	239.423323	0.000	519412.297	4069416.880	256.562377	348.072	76.956705	307.970989	360.737	328.365316
CIRC.	209.209	240.595825	0.000	519406.883	4069409.431	256.140007	356.982	76.534334	306.564347	365.269	326.958675

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 PROYECTO :
 EJE : 13 : Camino Noroeste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 11.963 Dis=-186.255 K : 0.999604774
 Distancia: 278.721 Azimut: 179.605672
 BO : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 24.093 Dis=-329.527 K : 0.999604817

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	220.000	164.263809	0.000	519406.495	4069399.282	254.811658	363.815	75.205985	304.794522	364.750	325.188850
RECTA	224.480	132.571214	0.000	519409.708	4069396.226	254.038420	363.397	74.432747	304.299889	361.327	324.694217
RECTA	225.101	132.571214	0.000	519410.248	4069395.922	253.935790	363.192	74.330118	304.252851	360.766	324.647178

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 24.093 Dis=-329.527 K : 0.999604817
 Distancia: 303.867 Azimut: 337.196821
 BO : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 37.275 Dis= -26.641 K : 0.999604694

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	179.672009	0.000	519501.737	4069589.176	343.338603	345.437	6.141783	381.398368	52.002	244.201547

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 PROYECTO :
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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 37.275 Dis= -26.641 K : 0.999604694
 Distancia: 329.349 Azimut: 241.842365
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 223.088 Dis= 150.413 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	179.672009	0.000	519501.737	4069589.176	381.398368	52.002	139.556003	34.391425	362.099	392.549060
CIRC.	12.688	179.672009	0.000	519505.720	4069577.129	381.955645	39.316	140.113280	36.121076	353.944	394.278711
CIRC.	20.000	218.464811	0.000	519505.826	4069569.930	378.198250	32.428	136.355884	36.845502	347.949	395.003137
RECTA	24.563	242.670620	0.000	519503.731	4069565.908	371.014057	29.530	129.171692	36.928303	343.435	395.085937
RECTA	40.000	242.670620	0.000	519494.141	4069553.810	336.180804	26.790	94.338438	36.658346	328.057	394.815981
RECTA	60.000	242.670620	0.000	519481.717	4069538.137	297.709254	35.030	55.866889	36.268545	308.144	394.426179
CIRC.	63.037	242.670620	0.000	519479.831	4069535.757	293.737789	37.074	51.895424	36.204908	305.122	394.362543
CIRC.	80.000	229.171740	0.000	519470.776	4069521.451	276.288628	49.336	34.446262	36.221585	288.184	394.379219
RECTA	80.600	228.694235	0.000	519470.513	4069520.911	275.768787	49.779	33.926422	36.236765	287.587	394.394400
RECTA	100.000	228.694235	0.000	519462.062	4069503.449	262.959204	65.438	21.116838	36.781037	268.326	394.938672
CIRC.	115.734	228.694235	0.000	519455.208	4069489.286	256.475705	79.364	14.633340	37.283360	252.720	395.440994
CIRC.	120.000	229.237406	0.000	519453.333	4069485.454	255.108965	83.259	13.266600	37.425805	248.489	395.583440
CIRC.	140.000	231.783885	0.000	519444.111	4069467.709	250.402260	102.070	8.559894	38.029795	228.611	396.187430
CIRC.	160.000	234.330364	0.000	519434.187	4069450.346	247.579448	121.458	5.737083	38.506075	208.671	396.663710
CIRC.	180.000	236.876843	0.000	519423.576	4069433.394	245.891918	141.161	4.049553	38.813719	188.688	396.971354
CIRC.	200.000	239.423323	0.000	519412.297	4069416.880	244.932442	161.038	3.090077	38.892429	168.682	397.050063
CIRC.	209.209	240.595825	0.000	519406.883	4069409.431	244.666287	170.224	2.823922	38.827897	159.471	396.985532

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 PROYECTO :
 EJE : 13 : Camino Noroeste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-06 X: 519516.711 Y: 4069539.397 Z: 46.512 PK: 37.275 Dis= -26.641 K : 0.999604694
 Distancia: 329.349 Azimut: 241.842365
 BO : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 223.088 Dis= 150.413 K : 0.999604598

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	220.000	164.263809	0.000	519406.495	4069399.282	242.432220	178.339	0.589855	41.145837	151.027	399.303471
RECTA	224.480	132.571214	0.000	519409.708	4069396.226	240.859656	178.810	399.017291	43.009280	150.586	1.166915
RECTA	225.101	132.571214	0.000	519410.248	4069395.922	240.640530	178.730	398.798165	43.267887	150.689	1.425522

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 PROYECTO :
 EJE : 13 : Camino Noroeste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR09 X: 519315.575 Y: 4069278.764 Z: 48.319 PK: 223.088 Dis= 150.413 K : 0.999604598
 Distancia: 206.204 Azimut: 239.468716
 BO : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 223.323 Dis= 356.438 K : 0.999604541

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	179.672009	0.000	519501.737	4069589.176	34.391425	362.099	194.922709	36.233338	567.885	396.764622

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 EJE : 13 : Camino Noroeste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 223.323 Dis= 356.438 K : 0.999604541
 Distancia: 379.117 Azimut: 44.415151
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 225.101 Dis= -29.545 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	179.672009	0.000	519501.737	4069589.176	36.233338	567.885	391.818187	20.445193	197.951	176.030042
CIRC.	12.688	179.672009	0.000	519505.720	4069577.129	37.353330	559.968	392.938179	23.015308	187.926	178.600158
CIRC.	20.000	218.464811	0.000	519505.826	4069569.930	37.821573	554.044	393.406422	23.944677	181.247	179.529526
RECTA	24.563	242.670620	0.000	519503.731	4069565.908	37.881332	549.536	393.466181	23.774960	176.735	179.359809
RECTA	40.000	242.670620	0.000	519494.141	4069553.810	37.742991	534.138	393.327840	22.000070	162.030	177.584919
RECTA	60.000	242.670620	0.000	519481.717	4069538.137	37.551441	514.192	393.136291	19.161710	143.210	174.746559
CIRC.	63.037	242.670620	0.000	519479.831	4069535.757	37.521049	511.164	393.105898	18.664428	140.381	174.249277
CIRC.	80.000	229.171740	0.000	519470.776	4069521.451	37.575874	494.232	393.160723	16.338136	124.144	171.922986
RECTA	80.600	228.694235	0.000	519470.513	4069520.911	37.586352	493.637	393.171201	16.277344	123.555	171.862193
RECTA	100.000	228.694235	0.000	519462.062	4069503.449	37.948927	474.426	393.533776	13.987220	104.583	169.572069
CIRC.	115.734	228.694235	0.000	519455.208	4069489.286	38.265275	458.857	393.850124	11.418218	89.334	167.003067
CIRC.	120.000	229.237406	0.000	519453.333	4069485.454	38.352260	454.636	393.937109	10.550667	85.235	166.135517
CIRC.	140.000	231.783885	0.000	519444.111	4069467.709	38.712179	434.787	394.297028	4.634288	66.491	160.219137
CIRC.	160.000	234.330364	0.000	519434.187	4069450.346	38.984533	414.864	394.569383	393.400652	49.210	148.985501
CIRC.	180.000	236.876843	0.000	519423.576	4069433.394	39.155745	394.887	394.740594	370.941511	35.635	126.526360
CIRC.	200.000	239.423323	0.000	519412.297	4069416.880	39.209412	374.883	394.794262	333.126358	31.108	88.711208
CIRC.	209.209	240.595825	0.000	519406.883	4069409.431	39.189255	365.671	394.774104	315.434204	33.383	71.019053

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 PROYECTO :
 EJE : 13 : Camino Noroeste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR08 X: 519195.815 Y: 4069111.002 Z: 47.407 PK: 223.323 Dis= 356.438 K : 0.999604541
 Distancia: 379.117 Azimut: 44.415151
 BO : BR10 X: 519439.277 Y: 4069401.420 Z: 48.023 PK: 225.101 Dis= -29.545 K : 0.999604657

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
CIRC.	220.000	164.263809	0.000	519406.495	4069399.282	40.177747	357.201	395.762596	295.854565	32.864	51.439414
RECTA	224.480	132.571214	0.000	519409.708	4069396.226	40.962968	356.656	396.547818	288.929785	30.034	44.514634
RECTA	225.101	132.571214	0.000	519410.248	4069395.922	41.072730	356.738	396.657579	288.083726	29.556	43.668575

Istram 22.06.06.06 15/06/22 12:19:13 1090
 PROYECTO :
 EJE : 17 : Camino Sureste

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : V-07 X: 519770.068 Y: 4069371.849 Z: 41.264 PK: 0.000 Dis= 209.635 K : 0.999604817
 Distancia: 278.721 Azimut: 379.605672
 BO : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 4.112 Dis=-102.088 K : 0.999604774

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	0.000	33.482266	0.000	519768.560	4069581.478	399.541921	209.718	19.936248	136.045077	102.211	356.439405

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 PROYECTO :
 EJE : 17 : Camino Sureste

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 4.112 Dis=-102.088 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 157.635 Dis= -68.580 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	33.482266	0.000	519768.560	4069581.478	136.045077	102.211	69.799460	231.546525	175.372	365.300907
CIRC.	13.815	33.482266	0.000	519775.495	4069593.427	127.449279	102.588	61.203661	231.380953	161.558	365.135335
CIRC.	20.000	46.606352	0.000	519779.128	4069598.419	123.739583	103.979	57.493965	231.037796	155.441	364.792178
RECTA	25.661	58.618627	0.000	519783.285	4069602.248	120.702294	106.578	54.456676	230.240601	150.120	363.994983
RECTA	40.000	58.618627	0.000	519794.700	4069610.926	114.130402	115.239	47.884784	227.372275	137.316	361.126657
RECTA	60.000	58.618627	0.000	519810.622	4069623.030	106.554309	129.022	40.308691	222.365733	120.042	356.120115
CIRC.	77.307	58.618627	0.000	519824.399	4069633.504	101.245894	142.149	35.000277	216.745121	105.872	350.499503
CIRC.	80.000	59.304420	0.000	519826.552	4069635.123	100.513089	144.280	34.267471	215.727534	103.762	349.481916
RECTA	90.135	61.885362	0.000	519834.806	4069641.003	98.030830	152.606	31.785212	211.380249	96.264	345.134631
RECTA	100.000	61.885362	0.000	519842.955	4069646.562	95.932213	161.014	29.686596	206.378849	89.618	340.133231
RECTA	120.000	61.885362	0.000	519859.476	4069657.834	92.293690	178.520	26.048072	193.837740	78.258	327.592122
RECTA	140.000	61.885362	0.000	519875.998	4069669.105	89.312836	196.504	23.067219	177.908787	70.839	311.663169
RECTA	160.000	61.885362	0.000	519892.519	4069680.377	86.836265	214.846	20.590647	159.690931	68.647	293.445313
RECTA	180.000	61.885362	0.000	519909.040	4069691.648	84.751899	233.462	18.506281	141.816499	72.163	275.570881
RECTA	200.000	61.885362	0.000	519925.562	4069702.919	82.976982	252.291	16.731364	126.656884	80.642	260.411266
CIRC.	217.307	61.885362	0.000	519939.859	4069712.673	81.642661	268.722	15.397043	116.299817	90.942	250.054199
CIRC.	220.000	62.099654	0.000	519942.086	4069714.187	81.450616	271.290	15.204998	114.906595	92.736	248.660977

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 4.112 Dis=-102.088 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 157.635 Dis= -68.580 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	240.000	63.691204	0.000	519958.783	4069725.195	80.190659	290.511	13.945041	106.235140	107.424	239.989522
CIRC.	260.000	65.282753	0.000	519975.751	4069735.781	79.187190	309.951	12.941572	99.955554	123.884	233.709936
RECTA	265.217	65.697948	0.000	519980.220	4069738.473	78.962018	315.052	12.716400	98.621712	128.385	232.376094
RECTA	280.000	65.697948	0.000	519992.908	4069746.058	78.371062	329.535	12.125444	95.329024	141.429	229.083406
RECTA	300.000	65.697948	0.000	520010.075	4069756.321	77.649646	349.170	11.404029	91.744298	159.561	225.498680
RECTA	320.000	65.697948	0.000	520027.241	4069766.583	77.005120	368.845	10.759502	88.898163	178.096	222.652545
CIRC.	332.047	65.697948	0.000	520037.581	4069772.765	76.649073	380.713	10.403455	87.454324	189.404	221.208706
CIRC.	340.000	66.476919	0.000	520044.432	4069776.804	76.433794	388.562	10.188176	86.607151	196.934	220.361533
RECTA	348.238	67.283758	0.000	520051.580	4069780.899	76.236078	396.713	9.990460	85.825959	204.798	219.580341
RECTA	360.000	67.283758	0.000	520061.823	4069786.681	75.978974	408.367	9.733356	84.830487	216.096	218.584869
CIRC.	372.491	67.283758	0.000	520072.701	4069792.821	75.721534	420.750	9.475916	83.881507	228.145	217.635889
CIRC.	380.000	66.327684	0.000	520079.212	4069796.561	75.565631	428.189	9.320014	83.343097	235.397	217.097479
RECTA	388.411	65.256756	0.000	520086.437	4069800.866	75.377974	436.507	9.132356	82.744272	243.504	216.498654
RECTA	400.000	65.256756	0.000	520096.343	4069806.882	75.117129	447.958	8.871512	81.958169	254.683	215.712551
RECTA	420.000	65.256756	0.000	520113.438	4069817.263	74.697023	467.736	8.451405	80.752718	274.055	214.507100
RECTA	440.000	65.256756	0.000	520130.532	4069827.644	74.311019	487.533	8.065402	79.706757	293.513	213.461139
RECTA	460.000	65.256756	0.000	520147.627	4069838.025	73.955153	507.347	7.709535	78.791066	313.040	212.545448

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR11 X: 519682.333 Y: 4069636.285 Z: 43.834 PK: 4.112 Dis=-102.088 K : 0.999604774
 Distancia: 196.650 Azimut: 66.245618
 BO : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 157.635 Dis= -68.580 K : 0.999604857

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	478.354	65.256756	0.000	520163.315	4069847.552	73.652201	525.543	7.406583	78.045954	331.010	211.800336

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 157.635 Dis= -68.580 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 285.653 Dis= -59.375 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	33.482266	0.000	519768.560	4069581.478	231.546525	175.372	163.883409	246.994563	295.435	379.331447
CIRC.	13.815	33.482266	0.000	519775.495	4069593.427	231.380953	161.558	163.717837	247.651995	281.940	379.988879
CIRC.	20.000	46.606352	0.000	519779.128	4069598.419	231.037796	155.441	163.374680	247.821946	275.809	380.158830
RECTA	25.661	58.618627	0.000	519783.285	4069602.248	230.240601	150.120	162.577485	247.721778	270.170	380.058662
RECTA	40.000	58.618627	0.000	519794.700	4069610.926	227.372275	137.316	159.709159	247.114249	256.047	379.451133
RECTA	60.000	58.618627	0.000	519810.622	4069623.030	222.365733	120.042	154.702617	246.145787	236.392	378.482671
CIRC.	77.307	58.618627	0.000	519824.399	4069633.504	216.745121	105.872	149.082005	245.167909	219.435	377.504793
CIRC.	80.000	59.304420	0.000	519826.552	4069635.123	215.727534	103.762	148.064418	244.997839	216.805	377.334723
RECTA	90.135	61.885362	0.000	519834.806	4069641.003	211.380249	96.264	143.717133	244.241453	206.984	376.578337
RECTA	100.000	61.885362	0.000	519842.955	4069646.562	206.378849	89.618	138.715733	243.371093	197.510	375.707977
RECTA	120.000	61.885362	0.000	519859.476	4069657.834	193.837740	78.258	126.174624	241.323872	178.435	373.660756
RECTA	140.000	61.885362	0.000	519875.998	4069669.105	177.908787	70.839	110.245671	238.789942	159.588	371.126826
RECTA	160.000	61.885362	0.000	519892.519	4069680.377	159.690931	68.647	92.027815	235.584143	141.061	367.921027
RECTA	180.000	61.885362	0.000	519909.040	4069691.648	141.816499	72.163	74.153383	231.423502	122.999	363.760386
RECTA	200.000	61.885362	0.000	519925.562	4069702.919	126.656884	80.642	58.993768	225.864729	105.640	358.201613
CIRC.	217.307	61.885362	0.000	519939.859	4069712.673	116.299817	90.942	48.636701	219.395325	91.497	351.732209
CIRC.	220.000	62.099654	0.000	519942.086	4069714.187	114.906595	92.736	47.243479	218.205302	89.399	350.542186

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 157.635 Dis= -68.580 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 285.653 Dis= -59.375 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	240.000	63.691204	0.000	519958.783	4069725.195	106.235140	107.424	38.572024	207.219403	75.240	339.556287
CIRC.	260.000	65.282753	0.000	519975.751	4069735.781	99.955554	123.884	32.292438	191.654390	64.721	323.991274
RECTA	265.217	65.697948	0.000	519980.220	4069738.473	98.621712	128.385	30.958596	186.800537	62.818	319.137421
RECTA	280.000	65.697948	0.000	519992.908	4069746.058	95.329024	141.429	27.665908	171.741018	59.667	304.077902
RECTA	300.000	65.697948	0.000	520010.075	4069756.321	91.744298	159.561	24.081182	150.604607	61.108	282.941491
RECTA	320.000	65.697948	0.000	520027.241	4069766.583	88.898163	178.096	21.235047	132.311154	68.621	264.648038
CIRC.	332.047	65.697948	0.000	520037.581	4069772.765	87.454324	189.404	19.791208	123.472825	75.381	255.809709
CIRC.	340.000	66.476919	0.000	520044.432	4069776.804	86.607151	196.934	18.944035	118.537137	80.560	250.874021
RECTA	348.238	67.283758	0.000	520051.580	4069780.899	85.825959	204.798	18.162843	114.131626	86.441	246.468510
RECTA	360.000	67.283758	0.000	520061.823	4069786.681	84.830487	216.096	17.167371	108.859882	95.490	241.196766
CIRC.	372.491	67.283758	0.000	520072.701	4069792.821	83.881507	228.145	16.218391	104.282235	105.687	236.619119
CIRC.	380.000	66.327684	0.000	520079.212	4069796.561	83.343097	235.397	15.679981	101.911068	112.012	234.247952
RECTA	388.411	65.256756	0.000	520086.437	4069800.866	82.744272	243.504	15.081156	99.495354	119.194	231.832238
RECTA	400.000	65.256756	0.000	520096.343	4069806.882	81.958169	254.683	14.295053	96.569951	129.287	228.906835
RECTA	420.000	65.256756	0.000	520113.438	4069817.263	80.752718	274.055	13.089602	92.481255	147.227	224.818139
RECTA	440.000	65.256756	0.000	520130.532	4069827.644	79.706757	293.513	12.043641	89.290772	165.641	221.627656
RECTA	460.000	65.256756	0.000	520147.627	4069838.025	78.791066	313.040	11.127950	86.743671	184.388	219.080555

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

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR12 X: 519851.916 Y: 4069735.695 Z: 44.025 PK: 157.635 Dis= -68.580 K : 0.999604857
 Distancia: 132.102 Azimut: 67.663116
 BO : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 285.653 Dis= -59.375 K : 0.999604913

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	478.354	65.256756	0.000	520163.315	4069847.552	78.045954	331.010	10.382838	84.825330	201.804	217.162214

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 285.653 Dis= -59.375 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 402.218 Dis= -54.683 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
RECTA	0.000	33.482266	0.000	519768.560	4069581.478	246.994563	295.435	178.259530	253.099895	406.939	384.364861
CIRC.	13.815	33.482266	0.000	519775.495	4069593.427	247.651995	281.940	178.916962	253.777581	393.792	385.042547
CIRC.	20.000	46.606352	0.000	519779.128	4069598.419	247.821946	275.809	179.086913	253.994625	387.761	385.259592
RECTA	25.661	58.618627	0.000	519783.285	4069602.248	247.721778	270.170	178.986744	254.015077	382.108	385.280043
RECTA	40.000	58.618627	0.000	519794.700	4069610.926	247.114249	256.047	178.379216	253.835685	367.802	385.100652
RECTA	60.000	58.618627	0.000	519810.622	4069623.030	246.145787	236.392	177.410754	253.560837	347.854	384.825804
CIRC.	77.307	58.618627	0.000	519824.399	4069633.504	245.167909	219.435	176.432875	253.296234	330.598	384.561200
CIRC.	80.000	59.304420	0.000	519826.552	4069635.123	244.997839	216.805	176.262805	253.249749	327.914	384.514715
RECTA	90.135	61.885362	0.000	519834.806	4069641.003	244.241453	206.984	175.506419	253.015972	317.845	384.280938
RECTA	100.000	61.885362	0.000	519842.955	4069646.562	243.371093	197.510	174.636059	252.732776	308.075	383.997743
RECTA	120.000	61.885362	0.000	519859.476	4069657.834	241.323872	178.435	172.588838	252.099740	288.288	383.364706
RECTA	140.000	61.885362	0.000	519875.998	4069669.105	238.789942	159.588	170.054908	251.373484	268.533	382.638450
RECTA	160.000	61.885362	0.000	519892.519	4069680.377	235.584143	141.061	166.849109	250.532021	248.819	381.796987
RECTA	180.000	61.885362	0.000	519909.040	4069691.648	231.423502	122.999	162.688468	249.545954	229.156	380.810920
RECTA	200.000	61.885362	0.000	519925.562	4069702.919	225.864729	105.640	157.129695	248.375128	209.559	379.640094
CIRC.	217.307	61.885362	0.000	519939.859	4069712.673	219.395325	91.497	150.660291	247.170059	192.667	378.435025
CIRC.	220.000	62.099654	0.000	519942.086	4069714.187	218.205302	89.399	149.470268	246.961842	190.047	378.226808

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *

Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 285.653 Dis= -59.375 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 402.218 Dis= -54.683 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az(BO)	Dis.R(BO)	Ang1-2(BO)
CIRC.	240.000	63.691204	0.000	519958.783	4069725.195	207.219403	75.240	138.484369	245.113858	170.735	376.378824
CIRC.	260.000	65.282753	0.000	519975.751	4069735.781	191.654390	64.721	122.919356	242.598465	151.766	373.863431
RECTA	265.217	65.697948	0.000	519980.220	4069738.473	186.800537	62.818	118.065503	241.802435	146.891	373.067401
RECTA	280.000	65.697948	0.000	519992.908	4069746.058	171.741018	59.667	103.005984	239.211443	133.243	370.476409
RECTA	300.000	65.697948	0.000	520010.075	4069756.321	150.604607	61.108	81.869573	234.740170	115.226	366.005136
RECTA	320.000	65.697948	0.000	520027.241	4069766.583	132.311154	68.621	63.576120	228.655712	97.985	359.920678
CIRC.	332.047	65.697948	0.000	520037.581	4069772.765	123.472825	75.381	54.737791	223.868809	88.165	355.133776
CIRC.	340.000	66.476919	0.000	520044.432	4069776.804	118.537137	80.560	49.802103	220.065706	82.042	351.330672
RECTA	348.238	67.283758	0.000	520051.580	4069780.899	114.131626	86.441	45.396592	215.438509	76.131	346.703475
RECTA	360.000	67.283758	0.000	520061.823	4069786.681	108.859882	95.490	40.124848	207.474850	68.591	338.739816
CIRC.	372.491	67.283758	0.000	520072.701	4069792.821	104.282235	105.687	35.547201	197.077912	62.042	328.342878
CIRC.	380.000	66.327684	0.000	520079.212	4069796.561	101.911068	112.012	33.176034	189.854037	58.982	321.119003
RECTA	388.411	65.256756	0.000	520086.437	4069800.866	99.495354	119.194	30.760320	181.001596	56.422	312.266563
RECTA	400.000	65.256756	0.000	520096.343	4069806.882	96.569951	129.287	27.834917	167.837461	54.750	299.102428
RECTA	420.000	65.256756	0.000	520113.438	4069817.263	92.481255	147.227	23.746221	145.241604	57.525	276.506571
RECTA	440.000	65.256756	0.000	520130.532	4069827.644	89.290772	165.641	20.555738	126.766106	66.492	258.031072
RECTA	460.000	65.256756	0.000	520147.627	4069838.025	86.743671	184.388	18.008637	113.503095	79.587	244.768061

Istram 22.06.06.06 15/06/22 12:19:13 1090
 PROYECTO :
 EJE : 17 : Camino Sureste

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 * * * DATOS PARA REPLANTEO DE PUNTOS * * *
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Compensaciones:

Z : Esfericidad y Refraccion :NO
 D : Reduccion al nivel del mar:NO
 D : Paso de la cuerda al arco :NO
 D : Paso al plano de la U.T.M.:SI K' POR ESTACION

BR : BR13 X: 519967.294 Y: 4069799.922 Z: 43.320 PK: 285.653 Dis= -59.375 K : 0.999604913
 Distancia: 116.353 Azimut: 68.735034
 BO : V-08 X: 520069.855 Y: 4069854.773 Z: 44.009 PK: 402.218 Dis= -54.683 K : 0.999604964

TIPO	PK Estac.	Azimut	Dis.Eje	X	Y	Ang.Azimu.	Dis.Redu	Angulo 1-2	Ang.Az (BO)	Dis.R (BO)	Ang1-2 (BO)
RECTA	478.354	65.256756	0.000	520163.315	4069847.552	84.825330	201.804	16.090297	104.909205	93.776	236.174171