



1:500

12 BLOCK

* * * * * 街 区 成 果 表 * * * * *

点 名	X	Y	点 名	X	Y	点 名	X	Y
12-23	- 146679.301	- 52833.117	12-24	- 146690.776	- 52828.081	12-51	- 146701.559	- 52823.983
12-52	- 146704.207	- 52825.346	12-26	- 146725.926	- 52908.939	12-53	- 146730.095	- 52925.016
12-54	- 146728.208	- 52927.367	12-28	- 146700.427	- 52926.498	12-29	- 146700.302	- 52926.493
12-30	- 146697.041	- 52924.848	12-2	- 146695.485	- 52915.812	12-3	- 146694.052	- 52907.280
12-4	- 146693.469	- 52903.765	12-5	- 146693.107	- 52901.994	12-6	- 146692.445	- 52899.372
12-7	- 146691.564	- 52895.861	12-8	- 146690.468	- 52891.687	12-9	- 146689.958	- 52889.955
12-10	- 146689.583	- 52888.816	12-11	- 146689.123	- 52887.491	12-12	- 146688.371	- 52885.844
12-13	- 146687.534	- 52884.257	12-14	- 146686.674	- 52882.655	12-15	- 146685.772	- 52881.091
12-16	- 146684.780	- 52879.570	12-17	- 146683.062	- 52876.970	12-18	- 146680.103	- 52872.918
12-19	- 146678.653	- 52871.018	12-20	- 146674.404	- 52865.662	12-21	- 146670.841	- 52861.172
12-22	- 146668.795	- 52858.575	K.59	- 146672.576	- 52857.979	K.60	- 146683.349	- 52856.077
12-25	- 146703.646	- 52823.190	12-27	- 146730.725	- 52927.446	12-1	- 146697.303	- 52926.373

点名 1	点名 2	方向角	距離	点名 1	点名 2	方向角	距離	点名 1	点名 2	方向角	距離
12-23	12-24	156-18-19	12.531	12-24	12-51	159-11-28	11.535	12-51	12-52	207-14-10	2.978
12-52	12-26	255-26- 8	86.368	12-26	12-53	255-27-45	16.609	12-53	12-54	308-45- 7	3.015
12-54	12-28	1-47-30	27.795	12-28	12-29	2-17-26	0.125	12-29	12-30	26-46- 7	3.652
12-30	12-2	80-13-46	9.169	12-2	12-3	80-27-57	8.652	12-3	12-4	80-34-57	3.563
12-4	12-5	78-26-51	1.808	12-5	12-6	75-49-49	2.704	12-6	12-7	75-54-50	3.620
12-7	12-8	75-17-15	4.315	12-8	12-9	73-35-33	1.806	12-9	12-10	71-46-36	1.199
12-10	12-11	70-51-16	1.403	12-11	12-12	65-27-33	1.811	12-12	12-13	62-11-33	1.794
12-13	12-14	61-46-19	1.818	12-14	12-15	60- 1-37	1.805	12-15	12-16	56-53-15	1.816
12-16	12-17	56-32-40	3.116	12-17	12-18	53-51-39	5.017	12-18	12-19	52-39- 2	2.390
12-19	12-20	51-34-28	6.837	12-20	12-21	51-34- 0	5.732	12-21	12-22	51-46- 3	3.306
12-22	K.59	171- 2-36	3.828	K.59	K.60	169-59-15	10.940	K.60	12-23	80- 0- 4	23.314
12-25	12-51	339-11-28	2.233	12-25	12-52	255-26- 8	2.228				
12-27	12-53	75-27-45	2.510	12-27	12-54	1-47-30	2.518				
12-1	12-29	182-17-26	3.001	12-1	12-30	80-13-46	1.548				

点 名	内 角	点 名	内 角	点 名	内 角	点 名	内 角
12-23	103- 41- 45	12-24	177- 6- 51	12-51	131- 57- 18	12-52	131- 48- 2
12-26	179- 58- 23	12-53	126- 42- 38	12-54	126- 57- 37	12-28	179- 30- 4
12-29	155- 31- 19	12-30	126- 32- 21	12-2	179- 45- 49	12-3	179- 53- 0
12-4	182- 8- 6	12-5	182- 37- 2	12-6	179- 54- 59	12-7	180- 37- 35
12-8	181- 41- 42	12-9	181- 48- 57	12-10	180- 55- 20	12-11	185- 23- 43
12-12	183- 16- 0	12-13	180- 25- 14	12-14	181- 44- 42	12-15	183- 8- 22
12-16	180- 20- 35	12-17	182- 41- 1	12-18	181- 12- 37	12-19	181- 4- 34
12-20	180- 0- 28	12-21	179- 47- 57	12-22	60- 43- 27	K.59	181- 3- 21
K.60	269- 59- 11						
12-25	83- 45- 20	12-27	73- 40- 15	12-1	102- 3- 40		

* * * 突出し計算書 * * *

	1			2			3					
NO. 視準点名	T38			T38			T38					
観測点名	T37	方向角 1	180-35-27	T37	180-35-27		T37	180-35-27				
求点名	12-2	観測角	272-44-40	12-3	269-12-15		12-4	268-15-45				
		方向角 2	93-20-7		89-47-42			88-51-12				
距離		22.707		31.201			34.723					
COS & SIN	-	0.058179	+	0.998306	+	0.003578	+	0.999994	+	0.020012	+	0.999800
X 1 . Y 1 =	-146694.164	-	52938.481	-146694.164	-	52938.481	-146694.164	-	52938.481			
DX . DY =	-	1.321	+	22.669	+	0.112	+	31.201	+	0.695	+	34.716
X 2 . Y 2 =	-146695.485	-	52915.812	-146694.052	-	52907.280	-146693.469	-	52903.765			
NO. 視準点名	T37			T37			T37					
観測点名	T54	方向角 1	259-36-57	T54	259-36-57		T54	259-36-57				
求点名	12-5	観測角	338-45-25	12-6	335-6-5		12-7	327-8-5				
		方向角 2	238-22-22		234-43-2			226-45-2				
距離		15.282		12.728			9.444					
COS & SIN	-	0.524391	-	0.851478	-	0.577612	-	0.816311	-	0.685176	-	0.728378
X 1 . Y 1 =	-146685.093	-	52888.982	-146685.093	-	52888.982	-146685.093	-	52888.982			
DX . DY =	-	8.014	-	13.012	-	7.352	-	10.390	-	6.471	-	6.879
X 2 . Y 2 =	-146693.107	-	52901.994	-146692.445	-	52899.372	-146691.564	-	52895.861			
NO. 視準点名	T37			T37			T37					
観測点名	T54	方向角 1	259-36-57	T54	259-36-57		T54	259-36-57				
求点名	12-8	観測角	307-5-50	12-9	291-41-40		12-10	278-15-40				
		方向角 2	206-42-47		191-18-37			177-52-37				
距離		6.017		4.961			4.493					
COS & SIN	-	0.893269	-	0.449523	-	0.980579	-	0.196122	-	0.999314	+	0.037046
X 1 . Y 1 =	-146685.093	-	52888.982	-146685.093	-	52888.982	-146685.093	-	52888.982			
DX . DY =	-	5.375	-	2.705	-	4.865	-	0.973	-	4.490	+	0.166
X 2 . Y 2 =	-146690.468	-	52891.687	-146689.958	-	52889.955	-146689.583	-	52888.816			

* * * 突出し計算書 * * *

10			11			12		
NO. 視準点名	T37		T37		T37			
観測点名	T54		T54		T54			
求点名	12-11		12-12		12-13			
距離	4.297		4.538		5.318			
COS & SIN	- 0.937833	+ 0.347086	- 0.722354	+ 0.691524	- 0.459003	+ 0.888435		
X 1 . Y 1 =	-146685.093	- 52888.982	-146685.093	- 52888.982	-146685.093	- 52888.982		
DX . DY =	- 4.030	+ 1.491	- 3.278	+ 3.138	- 2.441	+ 4.725		
X 2 . Y 2 =	-146689.123	- 52887.491	-146688.371	- 52885.844	-146687.534	- 52884.257		
13			14			15		
NO. 視準点名	T37		T37		T37			
観測点名	T54		T54		T54			
求点名	12-14		12-15		12-16			
距離	6.522		7.920		9.417			
COS & SIN	- 0.242402	+ 0.970176	- 0.085741	+ 0.996317	+ 0.033267	+ 0.999447		
X 1 . Y 1 =	-146685.093	- 52888.982	-146685.093	- 52888.982	-146685.093	- 52888.982		
DX . DY =	- 1.581	+ 6.327	- 0.679	+ 7.891	+ 0.313	+ 9.412		
X 2 . Y 2 =	-146686.674	- 52882.655	-146685.772	- 52881.091	-146684.780	- 52879.570		
16			17			18		
NO. 視準点名	T37		T37		T37			
観測点名	T54		T54		T54			
求点名	12-17		12-18		12-19			
距離	12.182		16.821		19.083			
COS & SIN	+ 0.166711	+ 0.986006	+ 0.296671	+ 0.954980	+ 0.337451	+ 0.941343		
X 1 . Y 1 =	-146685.093	- 52888.982	-146685.093	- 52888.982	-146685.093	- 52888.982		
DX . DY =	+ 2.031	+ 12.012	+ 4.990	+ 16.064	+ 6.440	+ 17.964		
X 2 . Y 2 =	-146683.062	- 52876.970	-146680.103	- 52872.918	-146678.653	- 52871.018		

* * * 突出し計算書 * * *

	19		20		21	
NO. 視準点名	T37		T37		T40	
観測点名	T54		T54		T39	
求点名	12-20		12-21		12-24	
	方向角 1	259-36-57	259-36-57		244-39- 6	
	観測角	165-45-30	163-15- 0		91-45-40	
	方向角 2	65-22-27	62-51-57		336-24-46	
距離	25.653		31.249		11.728	
COS & SIN	+ 0.416691	+ 0.909048	+ 0.456076	+ 0.889941	+ 0.916452	- 0.400145
X 1 . Y 1 =	-146685.093	- 52888.982	-146685.093	- 52888.982	-146701.524	- 52823.388
DX . DY =	+ 10.689	+ 23.320	+ 14.252	+ 27.810	+ 10.748	- 4.693
X 2 . Y 2 =	-146674.404	- 52865.662	-146670.841	- 52861.172	-146690.776	- 52828.081
NO. 視準点名	T41		T38		T38	
観測点名	T38		T37		T37	
求点名	12-26		12-28		12-29	
	方向角 1	74-47-40	180-35-27		180-35-27	
	観測角	358-45-45	297- 0-15		296-31-20	
	方向角 2	73-33-25	117-35-42		117- 6-47	
距離	31.239		13.521		13.468	
COS & SIN	+ 0.283062	+ 0.959102	- 0.463219	+ 0.886244	- 0.455748	+ 0.890109
X 1 . Y 1 =	-146734.769	- 52938.900	-146694.164	- 52938.481	-146694.164	- 52938.481
DX . DY =	+ 8.843	+ 29.961	- 6.263	+ 11.983	- 6.138	+ 11.988
X 2 . Y 2 =	-146725.926	- 52908.939	-146700.427	- 52926.498	-146700.302	- 52926.493
NO. 視準点名	T38		T40		T40	
観測点名	T37		T39		T39	
求点名	12-30		12-51		12-52	
	方向角 1	180-35-27	244-39- 6		244-39- 6	
	観測角	281-19-40	21-59-25		331-28-25	
	方向角 2	101-55- 7	266-38-31		216- 7-31	
距離	13.933		0.596		3.322	
COS & SIN	- 0.206522	+ 0.978442	- 0.058576	- 0.998283	- 0.807730	- 0.589553
X 1 . Y 1 =	-146694.164	- 52938.481	-146701.524	- 52823.388	-146701.524	- 52823.388
DX . DY =	- 2.877	+ 13.633	- 0.035	- 0.595	- 2.683	- 1.958
X 2 . Y 2 =	-146697.041	- 52924.848	-146701.559	- 52823.983	-146704.207	- 52825.346

* * * 突出し計算書 * * *

NO.	28			29			30
視準点名	T41	方向角 1	74-47-40	T41	74-47-40		T54
観測点名	T38	観測角	356-36-5	T38	345-34-10		T53
求点名	12-53	方向角 2	71-23-45	12-54	60-21-50		12-J22
距離	14.650			13.269			5.784
COS & SIN	+ 0.319028	+ 0.947745		+ 0.494490	+ 0.869183		- 0.126300 + 0.991992
X 1 . Y 1 =	-146734.769	- 52938.900		-146734.769	- 52938.900		-146668.049 - 52864.294
DX . DY =	+ 4.674	+ 13.884		+ 6.561	+ 11.533		- 0.731 + 5.738
X 2 . Y 2 =	-146730.095	- 52925.016		-146728.208	- 52927.367		-146668.780 - 52858.556
NO.	31			32			33
視準点名	T40	方向角 1	244-39-6	T38	180-35-27		T38
観測点名	T39	観測角	91-42-15	T37	279-56-30		T37
求点名	12-J23	方向角 2	336-21-21	12-31	100-31-57		12-32
距離	24.419			23.727			31.849
COS & SIN	+ 0.916054	- 0.401055		- 0.182793	+ 0.983151		- 0.090908 + 0.995859
X 1 . Y 1 =	-146701.524	- 52823.388		-146694.164	- 52938.481		-146694.164 - 52938.481
DX . DY =	+ 22.369	- 9.793		- 4.337	+ 23.327		- 2.895 + 31.717
X 2 . Y 2 =	-146679.155	- 52833.181		-146698.501	- 52915.154		-146697.059 - 52906.764
NO.	34			35			36
視準点名	T38	方向角 1	180-35-27	T37	259-36-57		T37
観測点名	T37	観測角	273-19-30	T54	329-21-45		T54
求点名	12-33	方向角 2	93-54-57	12-34	228-58-42		12-35
距離	34.742			16.792			14.102
COS & SIN	- 0.068291	+ 0.997665		- 0.656344	- 0.754461		- 0.730404 - 0.683015
X 1 . Y 1 =	-146694.164	- 52938.481		-146685.093	- 52888.982		-146685.093 - 52888.982
DX . DY =	- 2.373	+ 34.661		- 11.021	- 12.669		- 10.300 - 9.632
X 2 . Y 2 =	-146696.537	- 52903.820		-146696.114	- 52901.651		-146695.393 - 52898.614

* * * 突出し計算書 * * *

		37		38		39	
NO.							
視準点名	T37	方向角 1	259-36-57	T53	55-22-46	T37	259-36-57
観測点名	T54	観測角	313-16-5	T54	137-19-10	T54	282-46-40
求点名	12-36	方向角 2	212-53-2	12-37	192-41-56	12-38	182-23-37
距離		11.203		8.571		7.947	
COS & SIN	-	0.839773	-	0.975539	-	0.999127	-
X 1 . Y 1 =	-146685.093	-	52888.982	-146685.093	-	52888.982	-
DX . DY =	-	9.408	-	8.361	-	7.940	-
X 2 . Y 2 =	-146694.501	-	52895.065	-146693.454	-	52890.866	-
		40		41		42	
NO.							
視準点名	T37	方向角 1	259-36-57	T37	259-36-57	T37	259-36-57
観測点名	T54	観測角	269-48-10	T54	255-51-55	T54	241-54-5
求点名	12-39	方向角 2	169-25-7	12-40	155-28-52	12-41	141-31-2
距離		7.469		7.305		7.514	
COS & SIN	-	0.982995	+	0.909825	+	0.782795	+
X 1 . Y 1 =	-146685.093	-	52888.982	-146685.093	-	52888.982	-
DX . DY =	-	7.342	+	6.646	+	5.882	+
X 2 . Y 2 =	-146692.435	-	52887.610	-146691.739	-	52885.950	-
		43		44		45	
NO.							
視準点名	T37	方向角 1	259-36-57	T37	259-36-57	T37	259-36-57
観測点名	T54	観測角	228-43-55	T54	218-31-10	T54	209-37-45
求点名	12-42	方向角 2	128-20-52	12-43	118-8-7	12-44	109-14-42
距離		8.108		8.959		10.003	
COS & SIN	-	0.620433	+	0.471555	+	0.329608	+
X 1 . Y 1 =	-146685.093	-	52888.982	-146685.093	-	52888.982	-
DX . DY =	-	5.030	+	4.225	+	3.297	+
X 2 . Y 2 =	-146690.123	-	52882.623	-146689.318	-	52881.082	-

* * * 突出し計算書 * * *

NO.	46		47		48	
視準点名	T37		T37		T37	
	方向角 1	259-36-57		259-36-57	259-36-57	
観測点名	T54		T54		T54	
	観測角	202-22-35		192-15-15	182-26-30	
求点名	12-45		12-46		12-47	
	方向角 2	101-59-32		91-52-12	82- 3-27	
距離	11.238		13.750		17.984	
COS & SIN	- 0.207779	+ 0.978176	- 0.032632	+ 0.999467	+ 0.138179	+ 0.990407
X 1 . Y 1 =	-146685.093	- 52888.982	-146685.093	- 52888.982	-146685.093	- 52888.982
DX . DY =	- 2.335	+ 10.993	- 0.449	+ 13.743	+ 2.485	+ 17.811
X 2 . Y 2 =	-146687.428	- 52877.989	-146685.542	- 52875.239	-146682.608	- 52871.171

NO.	49		50		51	
視準点名	T37		T37		T37	
	方向角 1	259-36-57		259-36-57	259-36-57	
観測点名	T54		T54		T54	
	観測角	179-14-45		172- 7-25	168-40-50	
求点名	12-48		12-49		12-50	
	方向角 2	78-51-42		71-44-22	68-17-47	
距離	20.083		26.631		31.967	
COS & SIN	+ 0.193178	+ 0.981164	+ 0.313339	+ 0.949641	+ 0.369805	+ 0.929109
X 1 . Y 1 =	-146685.093	- 52888.982	-146685.093	- 52888.982	-146685.093	- 52888.982
DX . DY =	+ 3.880	+ 19.705	+ 8.345	+ 25.290	+ 11.822	+ 29.701
X 2 . Y 2 =	-146681.213	- 52869.277	-146676.748	- 52863.692	-146673.271	- 52859.281

NO.	52	
視準点名	T54	
	方向角 1	235-22-46
観測点名	T53	
	観測角	243-34-30
求点名	12-J55	
	方向角 2	118-57-16
距離	7.830	
COS & SIN	- 0.484114	+ 0.875005
X 1 . Y 1 =	-146668.049	- 52864.294
DX . DY =	- 3.791	+ 6.851
X 2 . Y 2 =	-146671.840	- 52857.443

* * * 方 向 角 · 距 離 計 算 書 * * *

NO 1
 点名 X Y
 1 12-J23 - 146679.155 - 52833.181
 2 12-24 - 146690.776 - 52828.081
 COS=- 0.915699 SIN=+ 0.401864
 A L= 156-18-19 L = 12.691

NO 2
 点名 X Y
 1 12-24 - 146690.776 - 52828.081
 2 12-51 - 146701.559 - 52823.983
 COS=- 0.934770 SIN=+ 0.355253
 A L= 159-11-28 L = 11.535

NO 3
 点名 X Y
 1 12-51 - 146701.559 - 52823.983
 2 12-52 - 146704.207 - 52825.346
 COS=- 0.889128 SIN=- 0.457659
 A L= 207-14-10 L = 2.978

NO 4
 点名 X Y
 1 12-52 - 146704.207 - 52825.346
 2 12-26 - 146725.926 - 52908.939
 COS=- 0.251469 SIN=- 0.967865
 A L= 255-26- 8 L = 86.368

NO 5
 点名 X Y
 1 12-26 - 146725.926 - 52908.939
 2 12-53 - 146730.095 - 52925.016
 COS=- 0.251012 SIN=- 0.967984
 A L= 255-27-45 L = 16.609

NO 6
 点名 X Y
 1 12-53 - 146730.095 - 52925.016
 2 12-54 - 146728.208 - 52927.367
 COS=+ 0.625948 SIN=- 0.779865
 A L= 308-45- 7 L = 3.015

NO 7
 点名 X Y
 1 12-54 - 146728.208 - 52927.367
 2 12-28 - 146700.427 - 52926.498
 COS=+ 0.999511 SIN=+ 0.031265
 A L= 1-47-30 L = 27.795

NO 8
 点名 X Y
 1 12-28 - 146700.427 - 52926.498
 2 12-29 - 146700.302 - 52926.493
 COS=+ 0.999201 SIN=+ 0.039968
 A L= 2-17-26 L = 0.125

NO 9
 点名 X Y
 1 12-29 - 146700.302 - 52926.493
 2 12-30 - 146697.041 - 52924.848
 COS=+ 0.892834 SIN=+ 0.450387
 A L= 26-46- 7 L = 3.652

NO 10
 点名 X Y
 1 12-30 - 146697.041 - 52924.848
 2 12-2 - 146695.485 - 52915.812
 COS=+ 0.169702 SIN=+ 0.985495
 A L= 80-13-46 L = 9.169

NO 11
 点名 X Y
 1 12-2 - 146695.485 - 52915.812
 2 12-3 - 146694.052 - 52907.280
 COS=+ 0.165636 SIN=+ 0.986187
 A L= 80-27-57 L = 8.652

NO 12
 点名 X Y
 1 12-3 - 146694.052 - 52907.280
 2 12-4 - 146693.469 - 52903.765
 COS=+ 0.163625 SIN=+ 0.986523
 A L= 80-34-57 L = 3.563

NO 13
 点名 X Y
 1 12-4 - 146693.469 - 52903.765
 2 12-5 - 146693.107 - 52901.994
 COS=+ 0.200263 SIN=+ 0.979742
 A L= 78-26-51 L = 1.808

NO 14
 点名 X Y
 1 12-5 - 146693.107 - 52901.994
 2 12-6 - 146692.445 - 52899.372
 COS=+ 0.244797 SIN=+ 0.969574
 A L= 75-49-49 L = 2.704

NO 15
 点名 X Y
 1 12-6 - 146692.445 - 52899.372
 2 12-7 - 146691.564 - 52895.861
 COS=+ 0.243381 SIN=+ 0.969931
 A L= 75-54-50 L = 3.620

* * * 方向角 · 距離 計算書 * * *

NO 16
 点名 X Y
 1 12-7 - 146691.564 - 52895.861
 2 12-8 - 146690.468 - 52891.687
 COS=+ 0.253969 SIN=+ 0.967212
 A L= 75-17-15 L = 4.315

NO 17
 点名 X Y
 1 12-8 - 146690.468 - 52891.687
 2 12-9 - 146689.958 - 52889.955
 COS=+ 0.282466 SIN=+ 0.959277
 A L= 73-35-33 L = 1.806

NO 18
 点名 X Y
 1 12-9 - 146689.958 - 52889.955
 2 12-10 - 146689.583 - 52888.816
 COS=+ 0.312723 SIN=+ 0.949844
 A L= 71-46-36 L = 1.199

NO 19
 点名 X Y
 1 12-10 - 146689.583 - 52888.816
 2 12-11 - 146689.123 - 52887.491
 COS=+ 0.327968 SIN=+ 0.944689
 A L= 70-51-16 L = 1.403

NO 20
 点名 X Y
 1 12-11 - 146689.123 - 52887.491
 2 12-12 - 146688.371 - 52885.844
 COS=+ 0.415342 SIN=+ 0.909665
 A L= 65-27-33 L = 1.811

NO 21
 点名 X Y
 1 12-12 - 146688.371 - 52885.844
 2 12-13 - 146687.534 - 52884.257
 COS=+ 0.466504 SIN=+ 0.884519
 A L= 62-11-33 L = 1.794

NO 22
 点名 X Y
 1 12-13 - 146687.534 - 52884.257
 2 12-14 - 146686.674 - 52882.655
 COS=+ 0.472984 SIN=+ 0.881071
 A L= 61-46-19 L = 1.818

NO 23
 点名 X Y
 1 12-14 - 146686.674 - 52882.655
 2 12-15 - 146685.772 - 52881.091
 COS=+ 0.499595 SIN=+ 0.866259
 A L= 60- 1-37 L = 1.805

NO 24
 点名 X Y
 1 12-15 - 146685.772 - 52881.091
 2 12-16 - 146684.780 - 52879.570
 COS=+ 0.546285 SIN=+ 0.837600
 A L= 56-53-15 L = 1.816

NO 25
 点名 X Y
 1 12-16 - 146684.780 - 52879.570
 2 12-17 - 146683.062 - 52876.970
 COS=+ 0.551289 SIN=+ 0.834314
 A L= 56-32-40 L = 3.116

NO 26
 点名 X Y
 1 12-17 - 146683.062 - 52876.970
 2 12-18 - 146680.103 - 52872.918
 COS=+ 0.589747 SIN=+ 0.807588
 A L= 53-51-39 L = 5.017

NO 27
 点名 X Y
 1 12-18 - 146680.103 - 52872.918
 2 12-19 - 146678.653 - 52871.018
 COS=+ 0.606673 SIN=+ 0.794951
 A L= 52-39- 2 L = 2.390

NO 28
 点名 X Y
 1 12-19 - 146678.653 - 52871.018
 2 12-20 - 146674.404 - 52865.662
 COS=+ 0.621497 SIN=+ 0.783417
 A L= 51-34-28 L = 6.837

NO 29
 点名 X Y
 1 12-20 - 146674.404 - 52865.662
 2 12-21 - 146670.841 - 52861.172
 COS=+ 0.621605 SIN=+ 0.783331
 A L= 51-34- 0 L = 5.732

NO 30
 点名 X Y
 1 12-21 - 146670.841 - 52861.172
 2 12-J22 - 146668.780 - 52858.556
 COS=+ 0.618855 SIN=+ 0.785505
 A L= 51-46- 3 L = 3.330

* * * 方 向 角 · 距 離 計 算 書 * * *

NO 31
 点名 X Y
 1 12-28 - 146700.427 - 52926.498
 2 12-31 - 146698.501 - 52915.154
 COS=+ 0.167386 SIN=+ 0.985891
 A L= 80-21-51 L = 11.506

NO 32
 点名 X Y
 1 12-31 - 146698.501 - 52915.154
 2 12-32 - 146697.059 - 52906.764
 COS=+ 0.169388 SIN=+ 0.985550
 A L= 80-14-52 L = 8.513

NO 33
 点名 X Y
 1 12-32 - 146697.059 - 52906.764
 2 12-33 - 146696.537 - 52903.820
 COS=+ 0.174587 SIN=+ 0.984642
 A L= 79-56-43 L = 2.990

NO 34
 点名 X Y
 1 12-33 - 146696.537 - 52903.820
 2 12-34 - 146696.114 - 52901.651
 COS=+ 0.191415 SIN=+ 0.981509
 A L= 78-57-53 L = 2.210

NO 35
 点名 X Y
 1 12-34 - 146696.114 - 52901.651
 2 12-35 - 146695.393 - 52898.614
 COS=+ 0.230985 SIN=+ 0.972957
 A L= 76-38-42 L = 3.121

NO 36
 点名 X Y
 1 12-35 - 146695.393 - 52898.614
 2 12-36 - 146694.501 - 52895.065
 COS=+ 0.243757 SIN=+ 0.969836
 A L= 75-53-30 L = 3.659

NO 37
 点名 X Y
 1 12-36 - 146694.501 - 52895.065
 2 12-37 - 146693.454 - 52890.866
 COS=+ 0.241937 SIN=+ 0.970292
 A L= 75-59-57 L = 4.328

NO 38
 点名 X Y
 1 12-37 - 146693.454 - 52890.866
 2 12-38 - 146693.033 - 52889.314
 COS=+ 0.261802 SIN=+ 0.965122
 A L= 74-49-23 L = 1.608

NO 39
 点名 X Y
 1 12-38 - 146693.033 - 52889.314
 2 12-39 - 146692.435 - 52887.610
 COS=+ 0.331140 SIN=+ 0.943582
 A L= 70-39-43 L = 1.806

NO 40
 点名 X Y
 1 12-39 - 146692.435 - 52887.610
 2 12-40 - 146691.739 - 52885.950
 COS=+ 0.386666 SIN=+ 0.922220
 A L= 67-15-10 L = 1.800

NO 41
 点名 X Y
 1 12-40 - 146691.739 - 52885.950
 2 12-41 - 146690.975 - 52884.306
 COS=+ 0.421435 SIN=+ 0.906858
 A L= 65- 4-29 L = 1.813

NO 42
 点名 X Y
 1 12-41 - 146690.975 - 52884.306
 2 12-42 - 146690.123 - 52882.623
 COS=+ 0.451661 SIN=+ 0.892190
 A L= 63- 8-59 L = 1.886

NO 43
 点名 X Y
 1 12-42 - 146690.123 - 52882.623
 2 12-43 - 146689.318 - 52881.082
 COS=+ 0.463018 SIN=+ 0.886349
 A L= 62-25- 5 L = 1.739

NO 44
 点名 X Y
 1 12-43 - 146689.318 - 52881.082
 2 12-44 - 146688.390 - 52879.538
 COS=+ 0.515149 SIN=+ 0.857101
 A L= 58-59-33 L = 1.801

NO 45
 点名 X Y
 1 12-44 - 146688.390 - 52879.538
 2 12-45 - 146687.428 - 52877.989
 COS=+ 0.527581 SIN=+ 0.849505
 A L= 58- 9-28 L = 1.823

* * * 方 向 角 · 距 離 計 算 書 * * *

NO 46
 点名 X Y
 1 12-45 - 146687.428 - 52877.989
 2 12-46 - 146685.542 - 52875.239
 COS=+ 0.565587 SIN=+ 0.824689
 A L= 55-33-25 L = 3.335

NO 47
 点名 X Y
 1 12-46 - 146685.542 - 52875.239
 2 12-47 - 146682.608 - 52871.171
 COS=+ 0.584966 SIN=+ 0.811058
 A L= 54-11-58 L = 5.016

NO 48
 点名 X Y
 1 12-47 - 146682.608 - 52871.171
 2 12-48 - 146681.213 - 52869.277
 COS=+ 0.593040 SIN=+ 0.805173
 A L= 53-37-37 L = 2.352

NO 49
 点名 X Y
 1 12-48 - 146681.213 - 52869.277
 2 12-49 - 146676.748 - 52863.692
 COS=+ 0.624439 SIN=+ 0.781073
 A L= 51-21-32 L = 7.150

NO 50
 点名 X Y
 1 12-49 - 146676.748 - 52863.692
 2 12-50 - 146673.271 - 52859.281
 COS=+ 0.619055 SIN=+ 0.785347
 A L= 51-45-10 L = 5.617

NO 51
 点名 X Y
 1 12-50 - 146673.271 - 52859.281
 2 12-J55 - 146671.840 - 52857.443
 COS=+ 0.614327 SIN=+ 0.789052
 A L= 52- 5-49 L = 2.329

* * * * * 2 直線 の 交点 計算書 * * * * *

求点名	NO	1 12-23	2 12-22	3 12-25
ALH T1.T2	80- 0- 4	336-18-19	51-46- 3	159-11-28
SIN T1.T2	+0.984811	-0.401863	+0.785506	+0.355252
COS T1.T2	+0.173629	+0.915700	+0.618854	+0.987806
コウカク = T	103-41-45		60-43-27	83-45-20
COSEC T	+ 1.029266		+ 1.146427	+ 1.005969
	X	Y		
1 K.60	- 146683.349	- 52856.077	- 146670.841	- 146701.559
2 12-24	- 146690.776	- 52828.081	- 146672.576	- 146704.207
X1-2.Y2-1	+ 7.427	+ 27.996	+ 1.735	+ 2.648
X1-2*SI1.2	+ 7.3142	- 2.9846	+ 1.3629	+ 0.9407
Y2-1*CO1.2	+ 4.8609	+ 25.6359	+ 1.9760	+ 1.2741
COSEC*SI1.2	+ 12.5314	+ 23.3142	+ 3.8278	+ 2.2280
キヨリ S1.S2	23.314	12.531	3.306	2.233
	X	Y		
1 K.60	- 146683.349	- 52856.077	- 146670.841	- 146701.559
DX DY	+ 4.048	+ 22.960	+ 2.046	+ 2.087
3 12-23	- 146679.301	- 52833.117	- 146668.795	- 146703.646

求点名	NO	4 12-27	5 12-1	6 12-55
ALH T1.T2	255-27-45	181-47-30	2-17-26	52- 5-49
SIN T1.T2	-0.967984	-0.031265	+0.039967	+0.789051
COS T1.T2	-0.251014	-0.999511	+0.999201	+0.614327
コウカク = T	73-40-15		102- 3-40	61- 3-13
COSEC T	+ 1.042033		+ 1.022573	+ 1.142762
	X	Y		
1 12-53	- 146730.095	- 52925.016	- 146700.302	- 146673.271
2 12-54	- 146728.208	- 52927.367	- 146697.041	- 146672.576
X1-2.Y2-1	- 1.887	- 2.351	- 3.261	- 0.695
X1-2*SI1.2	+ 1.8266	+ 0.0590	- 0.1303	- 0.5484
Y2-1*CO1.2	+ 0.5901	+ 2.3499	+ 1.6437	+ 0.7999
COSEC*SI1.2	+ 2.5183	+ 2.5101	+ 1.5475	+ 0.2874
キヨリ S1.S2	2.510	2.518	3.001	1.593
	X	Y		
1 12-53	- 146730.095	- 52925.016	- 146700.302	- 146673.271
DX DY	- 0.630	- 2.430	+ 2.999	+ 0.979
3 12-27	- 146730.725	- 52927.446	- 146697.303	- 146672.292

* * * * * 各 筆 面 積 計 算 書 * * * * *

12 BLOCK

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146600.000	- 52800.000		
12-23	- 146679.301	- 52833.117		
12-24	- 146690.776	- 52828.081	+ 3006.228792	+ 2226.851381
12-51	- 146701.559	- 52823.983	+ 2851.878279	+ 2177.080808
12-52	- 146704.207	- 52825.346	+ 2499.196481	+ 2574.114414
12-26	- 146725.926	- 52908.939	+ 3191.720396	+ 11352.206373
12-53	- 146730.095	- 52925.016	+ 14172.419205	+ 15742.764816
12-54	- 146728.208	- 52927.367	+ 16028.051328	+ 16569.809865
12-28	- 146700.427	- 52926.498	+ 12791.085709	+ 16218.055584
12-29	- 146700.302	- 52926.493	+ 12688.002396	+ 12703.312511
12-30	- 146697.041	- 52924.848	+ 12275.007213	+ 12522.504096
12-2	- 146695.485	- 52915.812	+ 11921.111280	+ 11238.512292
12-3	- 146694.052	- 52907.280	+ 10892.350224	+ 10243.630800
12-4	- 146693.469	- 52903.765	+ 10027.354320	+ 9759.305780
12-5	- 146693.107	- 52901.994	+ 9661.247855	+ 9533.277186
12-6	- 146692.445	- 52899.372	+ 9428.835330	+ 9252.228804
12-7	- 146691.564	- 52895.861	+ 9098.897808	+ 8861.870145
12-8	- 146690.468	- 52891.687	+ 8672.352948	+ 8395.228468
12-9	- 146689.958	- 52889.955	+ 8247.979146	+ 8138.048940
12-10	- 146689.583	- 52888.816	+ 8058.438765	+ 7989.709728
12-11	- 146689.123	- 52887.491	+ 7915.548368	+ 7837.706253
12-12	- 146688.371	- 52885.844	+ 7731.667161	+ 7650.674812
12-13	- 146687.534	- 52884.257	+ 7514.268696	+ 7445.875347
12-14	- 146686.674	- 52882.655	+ 7302.891218	+ 7235.122770
12-15	- 146685.772	- 52881.091	+ 7089.484660	+ 7028.481334
12-16	- 146684.780	- 52879.570	+ 6874.894980	+ 6824.878040
12-17	- 146683.062	- 52876.970	+ 6609.243340	+ 6525.516600
12-18	- 146680.103	- 52872.918	+ 6165.527910	+ 6056.714916
12-19	- 146678.653	- 52871.018	+ 5735.219454	+ 5688.754854
12-20	- 146674.404	- 52865.662	+ 5284.023272	+ 5164.513286
12-21	- 146670.841	- 52861.172	+ 4651.561742	+ 4551.441488
12-22	- 146668.795	- 52858.575	+ 4208.327740	+ 4149.511575
K.59	- 146672.576	- 52857.979	+ 4251.139200	+ 3988.665305
K.60	- 146683.349	- 52856.077	+ 4832.491671	+ 4069.844352
12-23	- 146679.301	- 52833.117	+ 4446.962177	+ 2760.268833
			+256125.409064	+262476.481756
		倍面積	= 6351.072692	
		面積	= 3175.536346	

タケ子

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146600.000	- 52800.000		
12-23	- 146679.301	- 52833.117		
12-24	- 146690.776	- 52828.081	+ 3006.228792	+ 2226.851381

* * * * * 各 筆 面 積 計 算 書 * * * * *

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
12-51	- 146701.559	- 52823.983	+ 2851.878279	+ 2177.080808
12-52	- 146704.207	- 52825.346	+ 2499.196481	+ 2574.114414
12-26	- 146725.926	- 52908.939	+ 3191.720396	+ 11352.206373
12-53	- 146730.095	- 52925.016	+ 14172.419205	+ 15742.764816
12-54	- 146728.208	- 52927.367	+ 16028.051328	+ 16569.809865
12-28	- 146700.427	- 52926.498	+ 12791.085709	+ 16218.055584
12-31	- 146698.501	- 52915.154	+ 12460.179498	+ 11564.570758
12-32	- 146697.059	- 52906.764	+ 11176.732086	+ 10516.360764
12-33	- 146696.537	- 52903.820	+ 10306.676268	+ 10076.665380
12-34	- 146696.114	- 52901.651	+ 9978.555480	+ 9813.082587
12-35	- 146695.393	- 52898.614	+ 9696.793843	+ 9478.185996
12-36	- 146694.501	- 52895.065	+ 9319.121614	+ 9068.535545
12-37	- 146693.454	- 52890.866	+ 8884.204510	+ 8586.927866
12-38	- 146693.033	- 52889.314	+ 8453.536578	+ 8346.750556
12-39	- 146692.435	- 52887.610	+ 8255.739590	+ 8150.621130
12-40	- 146691.739	- 52885.950	+ 8037.253790	+ 7944.788250
12-41	- 146690.975	- 52884.306	+ 7819.301250	+ 7734.148134
12-42	- 146690.123	- 52882.623	+ 7597.909638	+ 7516.627425
12-43	- 146689.318	- 52881.082	+ 7379.721114	+ 7307.353086
12-44	- 146688.390	- 52879.538	+ 7166.837980	+ 7104.175084
12-45	- 146687.428	- 52877.989	+ 6953.848264	+ 6893.447710
12-46	- 146685.542	- 52875.239	+ 6671.335038	+ 6577.995292
12-47	- 146682.608	- 52871.171	+ 6215.343312	+ 6088.109682
12-48	- 146681.213	- 52869.277	+ 5780.010423	+ 5722.834416
12-49	- 146676.748	- 52863.692	+ 5316.871196	+ 5172.618396
12-50	- 146673.271	- 52859.281	+ 4666.776532	+ 4549.698188
12-55	- 146672.292	- 52858.024	+ 4285.542052	+ 4251.476504
K.59	- 146672.576	- 52857.979	+ 4211.149824	+ 4191.417868
K.60	- 146683.349	- 52856.077	+ 4832.491671	+ 4069.844352
12-23	- 146679.301	- 52833.117	+ 4446.962177	+ 2760.268833
			+234453.473918	+240347.387043
		倍面積	= 5893.913125	
		面積	= 2946.956562	

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点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146600.000	- 52800.000		
12-28	- 146700.427	- 52926.498		
12-29	- 146700.302	- 52926.493	+ 12688.002396	+ 12703.312511
12-30	- 146697.041	- 52924.848	+ 12275.007213	+ 12522.504096
12-2	- 146695.485	- 52915.812	+ 11921.111280	+ 11238.512292
12-3	- 146694.052	- 52907.280	+ 10892.350224	+ 10243.630800
12-4	- 146693.469	- 52903.765	+ 10027.354320	+ 9759.305780
12-5	- 146693.107	- 52901.994	+ 9661.247855	+ 9533.277186
12-6	- 146692.445	- 52899.372	+ 9428.835330	+ 9252.228804
12-7	- 146691.564	- 52895.861	+ 9098.897808	+ 8861.870145

* * * * * 各 筆 面 積 計 算 書 * * * * *

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
12-8	- 146690.468	- 52891.687	+ 8672.352948	+ 8395.228468
12-9	- 146689.958	- 52889.955	+ 8247.979146	+ 8138.048940
12-10	- 146689.583	- 52888.816	+ 8058.438765	+ 7989.709728
12-11	- 146689.123	- 52887.491	+ 7915.548368	+ 7837.706253
12-12	- 146688.371	- 52885.844	+ 7731.667161	+ 7650.674812
12-13	- 146687.534	- 52884.257	+ 7514.268696	+ 7445.875347
12-14	- 146686.674	- 52882.655	+ 7302.891218	+ 7235.122770
12-15	- 146685.772	- 52881.091	+ 7089.484660	+ 7028.481334
12-16	- 146684.780	- 52879.570	+ 6874.894980	+ 6824.878040
12-17	- 146683.062	- 52876.970	+ 6609.243340	+ 6525.516600
12-18	- 146680.103	- 52872.918	+ 6165.527910	+ 6056.714916
12-19	- 146678.653	- 52871.018	+ 5735.219454	+ 5688.754854
12-20	- 146674.404	- 52865.662	+ 5284.023272	+ 5164.513286
12-21	- 146670.841	- 52861.172	+ 4651.561742	+ 4551.441488
12-22	- 146668.795	- 52858.575	+ 4208.327740	+ 4149.511575
12-55	- 146672.292	- 52858.024	+ 4234.503900	+ 3991.761080
12-50	- 146673.271	- 52859.281	+ 4251.476504	+ 4285.542052
12-49	- 146676.748	- 52863.692	+ 4549.698188	+ 4666.776532
12-48	- 146681.213	- 52869.277	+ 5172.618396	+ 5316.871196
12-47	- 146682.608	- 52871.171	+ 5722.834416	+ 5780.010423
12-46	- 146685.542	- 52875.239	+ 6088.109682	+ 6215.343312
12-45	- 146687.428	- 52877.989	+ 6577.995292	+ 6671.335038
12-44	- 146688.390	- 52879.538	+ 6893.447710	+ 6953.848264
12-43	- 146689.318	- 52881.082	+ 7104.175084	+ 7166.837980
12-42	- 146690.123	- 52882.623	+ 7307.353086	+ 7379.721114
12-41	- 146690.975	- 52884.306	+ 7516.627425	+ 7597.909638
12-40	- 146691.739	- 52885.950	+ 7734.148134	+ 7819.301250
12-39	- 146692.435	- 52887.610	+ 7944.788250	+ 8037.253790
12-38	- 146693.033	- 52889.314	+ 8150.621130	+ 8255.739590
12-37	- 146693.454	- 52890.866	+ 8346.750556	+ 8453.536578
12-36	- 146694.501	- 52895.065	+ 8586.927866	+ 8884.204510
12-35	- 146695.393	- 52898.614	+ 9068.535545	+ 9319.121614
12-34	- 146696.114	- 52901.651	+ 9478.185996	+ 9696.793843
12-33	- 146696.537	- 52903.820	+ 9813.082587	+ 9978.555480
12-32	- 146697.059	- 52906.764	+ 10076.665380	+ 10306.676268
12-31	- 146698.501	- 52915.154	+ 10516.360764	+ 11176.732086
12-28	- 146700.427	- 52926.498	+ 11564.570758	+ 12460.179498
			+354753.712475	+355210.871161
		倍面積	= 457.158686	
		面積	= 228.579343	

25 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146700.000	- 52800.000		
12-25	- 146703.646	- 52823.190		
12-51	- 146701.559	- 52823.983	+ 36.153210	+ 87.442018

* * * * * 各 筆 面 積 計 算 書 * * * * *

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
12-52	- 146704.207	- 52825.346	+ 100.896481	+ 39.514414
12-25	- 146703.646	- 52823.190	+ 92.411516	+ 97.560330
			+ 229.461207	+ 224.516762
		倍面積	= 4.944445	
		面積	= 2.472222	

27 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146700.000	- 52900.000		
12-27	- 146730.725	- 52927.446		
12-53	- 146730.095	- 52925.016	+ 825.987370	+ 768.616600
12-54	- 146728.208	- 52927.367	+ 705.651328	+ 823.609865
12-27	- 146730.725	- 52927.446	+ 840.851075	+ 774.196768
			+ 2372.489773	+ 2366.423233
		倍面積	= 6.066540	
		面積	= 3.033270	

1 スミキリ

点 名	X	Y	(X-X0)*(YN-1-Y0)	(XN-1-X0)*(Y-Y0)
X0・Y0	- 146600.000	- 52900.000		
12-1	- 146697.303	- 52926.373		
12-29	- 146700.302	- 52926.493	+ 2645.264646	+ 2577.848379
12-30	- 146697.041	- 52924.848	+ 2570.907213	+ 2492.304096
12-1	- 146697.303	- 52926.373	+ 2417.784944	+ 2559.262293
			+ 7633.956803	+ 7629.414768
		倍面積	= 4.542035	
		面積	= 2.271017	

* * * 各筆面積 集計表 * * *

街区名・筆名	各筆面積	隅切面積
12 BLOCK	3175.53	
タク子	2946.95	
スイロ	228.57	
25 スミキリ		2.47
27 スミキリ		3.03
1 スミキリ		2.27
合計 =	3175.52	7.77