

2.11	OBSERVATION		M (MIXED)		RINEX VERSION /				
TPP	DATA				TYPE				
SNPT	Reference Data Shop		03-JUN-15 01:40		PGM / RUN BY / DATE				
Nanyang Polytechnic					MARKER NAME				
SiReNT	SINGAPORE LAND				MARKER NUMBER				
	AUTHORITY				OBSERVER / AGENCY				
5246K538	TRIMBLE NETR9				REC # / TYPE / VERS				
06									
53233612	TRM59900.		SCIS		ANT # / TYPE				
27	00								
-1526243.0178	6191002.685		152481.7527		APPROX POSITION				
	9				XYZ				
0.0000	0.000		0.0000		ANTENNA: DELTA				
	0				H/E/N				
1	1		0		WAVELENGTH FACT				
					L1/2				
14	C1	P1	L1	D1	S	C2	P2	L2	D2# / TYPES OF
	S2	C5	L5	D5	S				OBSERV
					5				# / TYPES OF OBSERV
15.000					INTERVAL				
0					RCV CLOCK OFFS				
					APPL				
16					LEAP SECONDS				
2015	06	01	01	00	00.0000000	GP	TIME OF FIRST OBS		
						S			
END OF HEADER									
15	06	01	1	0	0.0000000	0	19G04G14G16G18G22G25G26G27G29G31G32R03		
					0.000000000				
						R04R05R09R15R16R18			
						R19			
24363593.24					128031498.02313	276.262	37.000		
2									
					24363602.727	99764824.59915	215.270	17.800	
22863124.01					120146452.43015	1115.461	41.500		
6									
					22863132.156	93620613.71217	869.191	27.000	
22174083.52					116525562.61216	3160.371	43.800		
3									
					22174089.965	90799155.42917	2462.625	32.100	
21654004.14					113792485.44516	-2655.375	44.900		
1									
					21654011.070	88669503.50118	-2069.125	33.300	
20093913.79					105594167.77917	-700.969	50.700		
7									
					20093917.637	82281204.26919	-546.211	44.900	
24152862.03					126924102.81415	-3436.055	39.100		
1									
					24152874.80	98901945.28816	-2677.445	20.900	
24152874.80									
1									
					20460274.38	107519415.23217	1280.031	50.200	
20460274.38									
3									
					20460283.26	83781400.96619	997.426	44.200	
20460283.26									
6									
					24626597.63	129413569.91314	1822.871	37.500	
24626597.63									
3									
					24626608.25	100841797.77916	1420.418	19.600	
24626608.25									
0									
					24546406.63	128992145.53613	-287.617	36.900	
24546406.63									
3									
					24546420.84	100513479.71615	-224.117	17.800	
24546420.84									
0									
					22214356.24	116737163.30816	-1728.879	45.900	
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2									
					22214363.28	90964022.63218	-1347.180	34.900	
22214363.28									
1									
					23612446.19	124084245.31615	3024.922	39.900	
23612446.19									
5									
					23612454.578	96689072.28516	2357.082	24.900	
22910914.78					22910913.309	122644041.77315	-3212.500	39.200	
22910914.78									
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					22910922.88	95389631.62218		38.600	
22910922.88									
3									
					19701581.07	105501003.50518	-140.543	51.400	
19701581.07									
8									
					19701585.84	82056369.03019		48.400	
19701585.84									
8									
					20712811.35	110721868.64716	3229.586	44.000	
20712811.35									
9									
					20712818.21	86117015.01019		45.000	
20712818.21									
1									
					22596883.44	120665989.69014	1825.504	37.400	
22596883.44									
5									
					22596890.68	93851415.10117		28.400	
22596890.68									
8									
					22318217.58	119261185.57816	-3537.012	41.400	
22318217.58									
6									
					22318226.68	92759102.45118		40.500	
22318226.68									
8									
					20549568.18	109772298.48318	-1028.703	49.300	
20549568.18									
0									
					20549574.91	85378261.36819		45.000	
20549574.91									
0									
					23597346.99	125964144.94115	758.488	40.800	
23597346.99									
2									
					23597355.55	97972104.90118		36.200	
23597355.55									
1									

24064852.53 1	24064850.293	128730902.39214	442.641	37.100
24064858.17 6	24064858.148	100123840.61218		34.400
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		R19		
24362810.00 0		128027383.697 4	272.074	37.700
	24362820.031	99761618.604 6	212.008	19.300
22859939.50 8		120129716.800 6	1116.156	42.400
	22859947.957	93607572.963 7	869.730	27.600
22165070.25 0		116478195.090 6	3155.367	43.600
	22165076.320	90762245.673 7	2458.727	30.600
21661593.12 5		113832365.494 6	-2661.813	44.700
	21661600.109	88700578.796 8	-2074.141	33.200
20095927.92 2		105604752.510 7	-710.203	49.300
	20095931.734	82289452.098 9	-553.406	44.600
24162674.08 6		126975663.042 4	-3438.844	38.900
24162686.41 8	24162685.531	98942122.017 6	-2679.617	20.100

20456633.156		107500281.603	7	1271.270	50.000
20456642.375	20456642.715	83766491.639	9	990.602	43.800
24621388.242		129386193.619	4	1827.051	38.400
24621398.473	24621398.426	100820465.539	5	1423.676	17.800
24547233.492		128996487.676	3	-291.086	36.300
24547246.863	24547246.559	100516863.201	6	-226.820	18.300
22219291.719		116763100.088	6	-1729.324	45.600
22219298.707	22219298.199	90984233.083	8	-1347.527	34.600
23603816.031		124038892.727	5	3022.391	39.900
22919926.453	23603824.145	96653732.601	6	2355.109	23.900
	22919925.332	122692283.546	5	-3219.719	39.600
22919935.813	22919935.254	95427152.931	8	-2504.047	39.100
19701992.320	19701991.691	105503203.351	8	-152.711	51.100
19701997.902	19701997.926	82058080.008	9	-118.505	46.400
20703757.672	20703756.934	110673467.602	6	3223.910	43.700
20703764.047	20703764.434	86079369.765	9	2507.625	43.900
22591769.109	22591768.547	120638677.181	4	1816.516	37.800
22591775.527	22591775.148	93830172.002	7	1412.924	28.900
22328144.836	22328144.395	119314236.063	6	-3536.320	41.500
22328154.621	22328154.035	92800363.879	8	-2750.481	39.500
20552468.836	20552468.547	109787792.687	7	-1037.047	48.700
20552475.605	20552475.320	85390312.392	9	-806.385	44.000
23595208.539	23595207.582	125952736.715	5	762.609	40.200
23595218.199	23595218.066	97963231.828	8	592.988	36.500
24063603.750	24063602.332	128724221.370	3	448.441	35.100
24063609.309	24063609.340	100118644.188	8	348.629	34.400
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24362039.195		128023330.919	4	268.031	37.700
	24362048.262	99758460.600	6	208.855	19.300
22856753.313		120112972.236	5	1116.496	41.600
22156070.711	22856761.832	93594525.249	7	869.996	26.400
		116430901.725	6	3150.281	43.600
21669200.766	22156076.879	90725393.698	7	2454.766	31.700
		113872342.730	6	-2668.469	44.900
20097968.844	21669207.730	88731729.840	7	-2079.328	32.600
		105615475.771	7	-719.637	50.200
24172494.125	20097972.379	82297807.870	9	-560.758	44.700
		127027267.566	4	-3441.871	38.800
24172506.738	24172505.785	98982333.266	6	-2681.977	20.100
20453017.117		107481279.100	7	1262.313	49.100
20453026.398	20453026.617	83751684.476	9	983.621	44.000
24616166.648		129358755.938	3	1831.070	36.400
24616177.457	24616177.805	100799085.516	6	1426.809	18.600
24548069.336		129000882.379	3	-294.938	35.800
24548082.465	24548082.344	100520287.606	6	-229.820	18.600
22224228.492		116789044.875	6	-1730.008	45.400
22224235.598	22224235.168	91004449.773	8	-1348.059	34.800
23595193.438		123993578.677	5	3019.387	40.500
22928958.258	23595201.109	96618422.953	6	2352.770	24.400
	22928957.488	122740633.634	5	-3227.117	39.500
22928967.609	22928967.359	95464758.486	8	-2509.669	39.300
19702436.922	19702436.176	105505585.529	8	-165.035	51.600
19702442.066	19702441.988	82059932.805	9	-127.928	47.800
20694718.539	20694717.449	110625152.596	6	3218.012	43.700
20694724.551	20694725.320	86041791.432	9	2503.141	45.100
22586681.234	22586679.734	120611501.562	4	1807.016	37.800
22586687.000	22586686.270	93809035.370	7	1405.801	28.200
22338070.961	22338070.754	119367276.248	6	-3535.773	41.500
22338080.891	22338080.289	92841617.300	8	-2749.983	40.000
20555393.164	20555391.938	109803412.224	8	-1045.609	49.400
20555398.977	20555398.719	85402460.896	9	-812.911	44.200
23593060.727	23593059.770	125941268.931	5	766.445	40.600
23593069.969	23593069.445	97954312.421	8	596.079	35.600

24062337.625	24062335.621	128717450.173	3	454.336	35.700
24062343.305	24062343.621	100113377.606	8	353.340	34.300

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24361278.164		128019339.396	4	263.906	38.200
	24361288.750	99755350.272	6	205.641	19.300
22853564.688		120096218.991	5	1117.133	40.900
	22853573.453	93581470.752	7	870.492	26.900
22147085.063		116383682.932	6	3145.441	44.100
	22147091.945	90688599.838	7	2450.992	31.900
21676826.742		113912416.755	6	-2674.871	45.000
	21676833.570	88762956.286	7	-2084.316	33.000
20100035.297		105626337.246	7	-728.703	50.200
	20100039.238	82306271.343	9	-567.820	44.300
24182322.469		127078916.027	4	-3444.648	38.400
	24182334.203	99022578.726	6	-2684.141	19.900
24182334.773		107462407.838	7	1253.730	50.600
20449426.531					
	20449436.031	83736979.590	9	976.934	43.900
20449435.715		129331256.891	4	1835.332	38.300
24610934.195					
	24610944.961	100777657.659	6	1430.129	19.000
24610945.039		129005329.744	4	-298.316	38.000
24548916.430					
	24548929.195	100523753.075	5	-232.453	17.800
24548929.496		116814997.292	6	-1730.477	46.500
22229167.547					
	22229173.906	91024672.413	8	-1348.422	34.900
22229174.262		123948303.590	5	3017.094	40.500
23586577.758					
	23586585.047	96583143.672	6	2350.980	24.500
22938011.547		122789091.808	5	-3234.184	39.600
	22938009.605				
	22938019.406	95502448.097	8	-2515.264	38.100
22938020.422		105508150.345	8	-177.090	51.900
19702915.758					
	19702921.289	82061927.651	9	-137.405	46.300
19702921.281		110576924.256	6	3212.340	44.100
20685697.336					
	20685703.762	86004280.514	9	2498.613	44.400
20685703.254		120584462.881	4	1797.734	37.200
22581616.070					
	22581622.395	93788005.249	7	1398.654	27.700
22581623.945		119420305.836	6	-3534.902	41.500
22347994.375					
	22348003.574	92882862.482	8	-2749.394	39.400
22348003.379		109819156.570	8	-1053.797	49.700
20558340.039					
	20558346.156	85414706.476	9	-819.377	43.800
20558346.258		125929741.642	5	770.375	40.500
23590901.984					
	23590910.953	97945346.730	8	599.150	36.100
23590910.672		128710588.966	3	460.457	35.400
24061055.961					
	24061060.441	100108041.057	8	357.977	34.300
24061060.121					

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24360531.164		128015409.331	4	259.922	37.600
	24360541.281	99752287.878	6	202.535	19.300
22850375.328		120079457.488	5	1117.922	40.900
	22850383.375	93568409.836	7	871.109	27.000
22138113.664		116336539.092	6	3140.625	43.800
	22138120.500	90651864.395	7	2447.242	32.100
21684470.883		113952587.245	6	-2681.094	44.600
	21684477.590	88794257.917	7	-2089.164	31.900
20102128.719		105637337.018	7	-737.707	50.300
	20102132.695	82314842.578	9	-574.836	44.500
24192159.352		127130608.080	4	-3447.352	38.800
	24192170.566	99062858.184	6	-2686.250	19.900
24192171.914		107443668.063	7	1245.156	49.900
20445860.211					
	20445869.578	83722377.152	9	970.250	43.900
20445869.305		129303696.584	4	1839.555	37.600
24605689.359					
	24605699.648	100756182.040	6	1433.418	19.600
24605700.078		129009830.046	4	-301.578	38.800
24549773.148					
	24549785.426	100527259.805	6	-234.996	19.900
24549785.773		116840957.111	6	-1730.645	46.800
22234107.297					
	22234113.813	91044900.813	8	-1348.555	34.900
22234114.094					



21699813.836	22120221.137	90578569.799 8	2439.262	33.100
		114033216.577 6	-2694.141	44.600
20106393.969	21699820.645	88857085.849 7	-2099.332	32.200
		105659751.726 7	-756.430	50.500
24211856.547	20106397.613	82332308.561 9	-589.426	44.400
		127234121.720 4	-3453.586	37.500
24211870.172	24211868.832	99143518.052 6	-2691.105	20.600
20438803.031		107406583.679 7	1227.254	50.000
20438812.512	20438812.766	83693480.213 9	956.301	43.900
24595165.523		129248392.578 4	1847.422	37.300
24595176.605	24595176.520	100713087.911 6	1439.551	19.300
24551516.555		129018990.683 4	-308.934	38.200
24551529.711	24551528.691	100534397.944 6	-240.727	19.900
22243991.547		116892897.789 6	-1731.805	45.900
22243999.137	22243998.527	91085373.999 8	-1349.457	35.800
23560775.953		123812714.837 5	3009.016	40.800
22965288.234	23560784.148	96477490.127 6	2344.688	23.800
	22965287.230	122935110.730 5	-3255.535	39.600
22965297.480	22965297.250	95616018.182 8	-2531.939	39.000
19704556.898	19704556.742	105516940.555 8	-213.652	51.700
19704562.816	19704562.594	82068764.447 9	-165.818	47.800
20658728.789	20658728.168	110432764.449 6	3194.656	44.600
20658735.324	20658735.715	85892156.252 9	2484.922	45.600
22566581.422	22566579.336	120504169.081 4	1770.523	38.900
22566587.277	22566585.965	93725554.406 7	1377.330	26.700
22377753.367	22377752.574	119579324.992 6	-3532.758	41.600
22377762.465	22377762.223	93006543.866 8	-2747.607	40.200
20567322.078	20567321.789	109867135.126 8	-1078.695	49.400
20567328.293	20567328.430	85452023.054 9	-838.699	44.600
23584356.883	23584355.926	125894806.031 5	782.137	39.900
23584365.961	23584366.367	97918174.560 8	608.232	36.800
24057105.375	24057104.191	128689464.228 4	478.375	37.300
24057112.059	24057112.031	100091610.484 8	371.942	34.600
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24358356.055		128003984.318 4	247.836	37.700
	24358367.070	99743385.229 6	193.117	20.600
22840797.586		120029125.731 5	1119.363	41.400
22111286.898	22840806.105	93529190.260 7	872.230	26.600
		116195560.915 6	3125.316	43.700
21707513.086	22111293.215	90542011.259 7	2435.313	32.700
		114073674.602 6	-2700.313	44.400
20108566.258	21707520.285	88888611.525 7	-2104.141	31.700
		105671166.122 7	-765.504	49.900
24221718.109	20108569.961	82341202.885 9	-596.496	44.200
		127285942.445 4	-3456.016	38.200
24221731.020	24221730.152	99183897.754 6	-2693.000	19.300
20435312.531		107388239.320 7	1218.641	50.200
20435322.027	20435322.148	83679185.890 9	949.590	43.800
24589885.492		129220648.901 4	1851.625	37.500
24589897.039	24589897.102	100691469.399 6	1442.824	19.300
24552402.367		129023651.297 4	-312.414	37.800
24552415.957	24552415.617	100538029.554 6	-243.441	19.000
22248935.430		116918877.853 6	-1732.074	45.500
22248942.273	22248942.168	91105618.177 8	-1349.668	35.200
23552190.328		123767598.296 5	3006.520	40.400
22974420.195	23552198.938	96442334.385 6	2342.742	24.300
	22974420.367	122983997.153 5	-3262.496	39.600
22974430.066	22974429.508	95654040.921 8	-2537.389	37.800
19705172.563	19705171.582	105520236.197 8	-225.781	52.000
19705177.742	19705177.820	82071327.721 9	-175.334	46.400
20649771.852	20649771.816	110384887.995 6	3188.895	43.800
20649779.121	20649779.555	85854919.025 9	2480.330	44.000
22561620.133	22561619.570	120477678.778 4	1761.574	37.900

22561626.359	22561624.926	93704950.798	6	1370.282	26.000
22387668.398	22387667.488	119632306.567	6	-3531.539	41.200
22387677.863	22387677.234	93047751.702	8	-2746.858	39.400
20570362.391	20570361.633	109883375.130	8	-1086.656	49.400
20570368.184	20570368.270	85464654.146	9	-845.018	44.000
23582153.594	23582152.164	125883043.653	5	786.172	40.200
23582162.477	23582162.797	97909026.033	8	611.315	36.700
24055756.031	24055753.559	128682242.171	4	484.535	38.000
24055760.836	24055761.270	100085993.256	8	376.695	33.700

1 2 0.0000000 0 19G04G14G16G18G22G25G26G27G29G31G32R03

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24357655.320		128000297.222	4	243.621	37.500
	24357664.383	99740512.093	6	189.836	21.700
22837602.242		120012333.536	5	1119.582	41.600
	22837610.129	93516105.434	7	872.402	28.600
22102373.102		116148720.626	6	3119.996	43.700
	22102379.523	90505512.331	7	2431.164	32.700
21715230.313		114114227.847	6	-2706.801	44.300
	21715236.996	88920211.385	7	-2109.195	31.500
20110764.664		105682718.631	7	-774.930	48.800
	20110768.617	82350204.832	9	-603.840	44.400
24231587.633		127337805.560	4	-3458.965	38.200
	24231599.398	99224310.486	6	-2695.297	19.900
24231600.020		107370027.273	7	1209.602	50.000
20431846.773					
20431856.016	20431856.129	83664994.676	9	942.547	44.500
24584595.258		129192844.415	4	1855.625	38.400
	24584606.293	100669803.565	6	1445.941	20.100
24584606.141		129028365.872	4	-316.301	38.500
24553300.172					
24553313.313	24553313.043	100541703.290	6	-246.469	19.000
22253880.680		116944864.202	6	-1732.703	45.100
	22253887.383	91125867.250	8	-1350.160	34.800
22543612.336		123722522.389	5	3003.594	40.900
	23543621.223	96407210.290	6	2340.461	24.400
22983573.023		123032989.880	5	-3269.926	39.700
	22983581.715	95692146.294	8	-2542.910	39.700
22983582.688		105523715.031	8	-238.098	52.300
19705822.133					
19705827.910	19705827.699	82074033.474	9	-184.809	48.000
20640833.258		110337101.041	6	3182.637	44.400
	20640839.883	85817751.414	9	2475.668	45.500
20640839.547		120451325.975	5	1752.137	39.100
22556685.609					
22556689.832	22556689.219	93684454.150	7	1363.127	26.100
22397579.891		119685275.165	6	-3530.961	41.300
	22397589.230	93088949.453	8	-2746.221	39.600
22397588.574		109899737.861	8	-1095.098	49.600
20573426.016					
	20573431.371	85477380.693	9	-851.396	44.500
20573431.473		125871223.258	5	789.879	39.300
23579938.602					
	23579948.691	97899832.387	8	614.311	37.100
23579948.535		128674929.854	4	490.293	37.700
24054388.656					
	24054394.809	100080305.828	8	381.346	34.400

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24356966.055		127996670.196	4	239.754	37.400
	24356974.848	99737685.835	6	186.820	21.100
22834405.719		119995534.176	6	1120.184	42.200
	22834413.383	93503015.016	7	872.871	28.600
22093474.227		116101957.126	6	3115.008	43.800
	22093480.691	90469073.235	7	2427.277	32.300
21722965.359		114154875.917	6	-2712.934	44.500
	21722972.113	88951885.150	7	-2113.973	32.000
20112989.156		105694408.806	7	-783.898	50.100
	20112992.871	82359314.043	9	-610.828	44.300
24241464.406		127389710.525	4	-3461.820	38.200
	24241476.324	99264755.829	6	-2697.523	19.000
24241477.332		107351947.496	7	1200.918	50.000
20428406.461					
	20428415.637	83650906.523	9	935.781	44.100

24579293.555		129164979.012	4	1859.734	37.500
24579303.703	24579303.762	100648090.194	6	1449.145	20.900
24554207.734		129033134.322	4	-319.590	37.500
24554220.883	24554220.203	100545418.939	6	-249.031	20.100
22258826.914		116970856.353	6	-1733.000	45.500
22258833.863	22258833.492	91146120.836	8	-1350.391	35.300
23535042.992		123677487.094	5	3000.949	39.900
	23535051.398	96372117.856	6	2338.402	24.700
22992746.336	22992744.980	123082088.271	5	-3276.820	39.800
22992755.004	22992754.145	95730333.857	8	-2548.394	38.400
19706506.305	19706506.148	105527376.928	8	-250.156	51.700
19706512.129	19706511.859	82076881.602	9	-194.286	46.100
20631910.141	20631909.754	110289403.887	6	3176.816	43.900
20631916.930	20631917.383	85780653.637	9	2470.955	44.400
22551774.922	22551774.945	120425110.411	4	1743.152	37.900
22551781.902	22551780.352	93664064.217	6	1356.000	25.700
22407490.055	22407489.730	119738229.688	6	-3529.801	41.600
22407500.012	22407499.563	93130136.243	8	-2745.437	40.000
20576511.828	20576510.719	109916223.106	8	-1103.117	50.000
20576517.461	20576517.539	85490202.515	9	-857.763	44.100
23577713.438	23577712.480	125859344.960	5	793.730	39.500
23577722.543	23577723.383	97890593.705	8	617.287	36.900
24053004.227	24053003.984	128667527.067	4	496.473	37.500
24053011.852	24053011.453	100074548.012	8	386.008	34.100
1 2 30.0000000 0 19G04G14G16G18G22G25G26G27G29G31G32R03					
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24356287.000		127993103.228	3	235.836	37.000
	24356296.563	99734906.359	6	183.770	20.400
22831207.664		119978728.119	5	1120.648	41.400
	22831215.789	93489919.378	7	873.234	28.600
22084589.922		116055270.876	6	3109.789	43.900
	22084596.672	90432694.339	7	2423.211	31.900
21730718.289		114195618.550	6	-2719.250	44.300
	21730725.000	88983632.599	7	-2118.895	32.000
20115240.125		105706236.796	7	-793.070	49.800
	20115243.949	82368530.643	9	-617.977	44.300
24251349.836		127441657.005	4	-3464.289	37.500
24251362.313	24251361.664	99305233.555	6	-2699.445	18.600
20424991.266		107334000.258	7	1192.105	49.700
20425000.355	20425000.527	83636921.654	9	928.914	44.400
24573978.469		129137052.919	3	1863.711	36.200
24573989.488	24573989.320	100626329.538	6	1452.242	20.400
24555124.648		129037957.069	4	-323.328	38.400
24555138.344	24555138.238	100549176.921	6	-251.945	19.900
22263774.008		116996854.025	6	-1733.344	45.000
22263781.223	22263780.734	91166378.738	8	-1350.656	34.700
23526480.641		123632492.814	5	2998.297	41.100
	23526488.410	96337057.383	6	2336.336	26.000
23001938.820	23001936.059	123131292.159	5	-3283.746	40.000
23001946.734	23001945.906	95768603.496	8	-2553.824	38.200
19707224.547	19707224.152	105531222.041	8	-262.500	51.500
19707229.789	19707229.898	82079872.236	9	-203.796	47.400
20623004.320	20623003.699	110241797.181	6	3170.836	43.900
20623011.133	20623011.672	85743626.201	9	2466.330	45.700
22546890.836	22546891.098	120399032.357	4	1734.004	38.300
22546896.703	22546896.094	93643781.249	6	1348.913	25.800
22417397.766	22417397.441	119791170.620	6	-3528.816	41.700
22417406.453	22417406.645	93171312.459	8	-2744.714	39.200
20579620.289	20579620.234	109932830.270	8	-1111.184	49.200
20579627.121	20579627.035	85503119.175	9	-864.072	45.100
23575477.789	23575476.359	125847409.005	5	797.660	39.900
23575486.367	23575486.840	97881310.177	8	620.322	36.500
24051604.055	24051602.285	128660033.992	4	502.625	38.100
24051610.469	24051610.191	100068719.988	8	390.741	33.900



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24355620.055		127989596.121	4	231.656	37.300	
	24355628.738	99732173.510	6	180.512	19.900	
22828008.195		119961915.581	5	1121.020	41.300	
	22828016.461	93476818.693	7	873.523	27.800	
22075721.242		116008662.256	6	3104.660	43.800	
	22075727.461	90396375.936	7	2419.215	32.800	
21738489.148		114236455.536	6	-2725.719	44.300	
	21738496.289	89015453.556	7	-2123.938	31.600	
20117516.992		105718202.627	7	-802.391	48.800	
	20117521.098	82377854.658	9	-625.238	44.300	
24261242.898		127493644.750	4	-3467.320	38.100	
	24261255.852	99345743.445	6	-2701.809	19.900	
20421601.313		107316185.751	7	1183.066	49.800	
	20421610.691	83623040.206	9	921.871	43.900	
20421610.566		129109066.094	3	1867.766	36.300	
24568653.133						
	24568663.625	100604521.576	6	1455.402	18.600	
24556053.180		129042834.195	4	-326.957	37.900	
	24556066.688	100552977.268	6	-254.773	18.600	
22268721.867		117022857.022	6	-1733.832	45.100	
	22268729.379	91186640.780	8	-1351.039	34.800	
23517926.656		123587539.820	5	2995.473	40.100	
	23517934.703	96302029.081	6	2334.133	25.300	
23011147.445		123180601.025	4	-3290.684	38.800	
	23011157.063	95806954.777	8	-2559.290	37.700	
23011158.258		105535250.550	8	-274.762	51.700	
19707976.328						
	19707982.094	82083005.515	9	-213.328	46.200	
19707982.059		110194281.460	6	3164.520	44.400	
20614115.352						
	20614122.258	85706669.545	9	2461.561	44.300	
20614121.555		120373091.836	4	1724.723	38.200	
22542035.180						
	22542038.754	93623605.246	6	1341.728	25.300	
22542039.836		119844097.370	6	-3528.121	41.700	
22427301.953						
	22427311.527	93212477.660	8	-2744.018	39.300	
22427311.527		20582751.586	109949559.105	8	-1119.379	49.300
20582751.758						
	20582758.109	85516130.462	9	-870.352	44.400	
20582758.148		125835415.798	5	801.332	40.200	
23573231.117						
	23573240.367	97871982.138	8	623.238	36.500	
23573240.367		128652450.379	4	508.664	37.900	
24050186.578						
	24050193.242	100062821.546	8	395.468	33.900	
24050193.242						

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24354964.000		127986148.636	4	227.793	38.300
	24354972.941	99729487.146	6	177.500	19.600
22824807.773		119945096.814	5	1121.426	41.100
	22824815.613	93463713.158	7	873.840	27.900
22066866.883		115962131.727	6	3099.348	43.800
	22066872.578	90360118.374	7	2415.078	32.100
21746278.594		114277386.418	6	-2731.949	44.000
	21746285.789	89047347.683	7	-2128.793	32.000
20119820.273		105730306.102	7	-811.473	48.900
	20119824.266	82387285.921	9	-632.316	43.900
24271143.313		127545673.342	4	-3470.016	37.900
	24271156.617	99386285.129	6	-2703.910	19.900
20418236.617		107298504.113	7	1174.301	48.800
	20418245.926	83609262.296	9	915.039	43.800
20418245.926		129081018.724	3	1871.754	35.600
24563326.945					
24556990.977		100582666.449	6	1458.508	19.000
	24563325.996	129047765.979	4	-330.828	37.300
	24557004.742	100556820.220	6	-257.789	18.300
22273671.484		117048864.934	6	-1734.090	44.700
	22273677.625	91206906.651	8	-1351.238	34.400
22273678.191		123542628.469	5	2992.480	40.000
23509380.016					
	23509388.648	96267033.202	6	2331.805	24.200

23020379.648	23020379.113	123230014.507	5	-3297.680	39.800
23020389.469	23020388.324	95845387.415	8	-2564.686	38.700
19708763.484	19708762.387	105539462.455	8	-286.930	51.000
19708768.082	19708768.168	82086281.429	9	-222.849	46.800
20605244.391	20605243.301	110146857.236	6	3158.547	43.700
20605250.066	20605251.020	85669784.042	9	2456.823	44.600
22537201.992	22537200.375	120347288.987	4	1715.574	37.100
22537207.156	22537206.313	93603536.350	6	1334.585	24.600
22437203.508	22437203.066	119897009.350	6	-3526.977	41.700
22437212.754	22437212.691	93253631.368	8	-2743.216	39.500
20585906.641	20585906.234	109966409.262	7	-1127.480	48.300
20585912.566	20585912.813	85529236.118	9	-876.677	44.300
23570974.641	23570972.273	125823365.576	5	805.336	39.900
23570981.910	23570982.535	97862609.743	8	626.204	36.900
24048750.922	24048750.445	128644776.278	4	514.480	37.700
24048758.695	24048758.598	100056852.729	8	400.107	33.800

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24354318.383		127982760.485	4	223.809	37.100
	24354328.242	99726847.013	6	174.395	19.300
22821606.523		119928272.023	5	1121.941	40.900
	22821613.656	93450602.929	7	874.238	27.800
22058027.289		115915679.525	6	3094.188	44.100
	22058033.277	90323921.851	7	2411.055	32.400
21754084.922		114318410.986	6	-2738.137	44.800
	21754092.441	89079314.806	7	-2133.613	31.900
20122149.297		105742546.910	7	-820.656	49.400
	20122153.590	82396824.200	9	-639.473	43.900
24281052.266		127597742.455	4	-3472.621	38.400
	24281064.863	99426858.366	6	-2705.938	19.900
20414897.156		107280955.479	7	1165.488	50.300
	20414906.203	83595588.021	9	908.172	44.100
24557966.813		129052910.818	3	1875.883	36.200
	24557977.016	100560764.107	6	1461.727	18.600
24557940.758		129052752.476	3	-334.254	36.300
	24557952.992	100560705.802	6	-260.457	18.300
22278621.211		117074877.427	6	-1734.320	45.100
	22278628.328	91227176.100	8	-1351.418	34.800
23500841.977		123497759.028	5	2989.848	41.000
	23500850.730	96232070.019	6	2329.750	25.700
23029628.922		123279532.409	5	-3304.648	39.800
	23029638.238	95883901.280	8	-2570.072	38.400
19709584.297		105543858.087	8	-299.164	51.800
	19709589.637	82089700.242	9	-232.349	45.900
20596389.078		110099525.115	6	3152.449	44.100
	20596395.957	85632970.183	9	2452.062	44.500
22532397.000		120321623.721	4	1706.273	37.100
	22532401.938	93583574.431	7	1327.486	27.000
224471102.297		119949905.695	6	-3525.922	41.100
	22447111.777	93294772.895	8	-2742.368	39.300
20589084.609		109983380.152	8	-1135.457	49.500
	20589089.906	85542435.672	9	-882.876	43.900
23568706.219		125811258.478	5	809.141	40.300
	23568714.555	97853193.122	8	629.158	37.200
24047299.469		128637011.709	4	520.684	38.000
	24047307.434	100050813.523	8	404.852	33.300

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24353685.641		127979431.618	4	220.008	37.300
	24353694.824	99724253.060	6	171.434	20.100
22818403.570		119911441.429	5	1122.305	41.400
	22818411.406	93437488.161	7	874.523	27.000
22049202.547		115869305.985	6	3088.992	44.200
	22049208.672	90287786.626	7	2407.008	32.900
21761909.656		114359528.996	6	-2744.254	44.600

20124505.023	21761916.711	89111354.757	7	-2138.379	32.300
		105754925.088	7	-829.738	49.300
24290968.344	20124508.676	82406469.521	9	-646.551	44.100
		127649851.773	4	-3475.309	38.300
24290981.238	24290981.023	99467462.953	6	-2708.031	19.000
20411583.203		107263540.064	7	1156.656	49.600
20411592.449	20411592.617	83582017.559	9	901.289	44.500
24552606.773		129024742.550	3	1879.984	35.400
24552617.902	24552617.820	100538814.754	5	1464.922	17.400
24558900.109		129057794.164	3	-337.828	35.500
24558913.137	24558912.445	100564634.353	5	-263.242	17.800
22283571.797		117100894.220	6	-1734.469	44.900
22283579.246	22283579.082	91247448.895	8	-1351.535	35.500
23492311.227		123452931.795	5	2987.164	40.700
23038899.406	23492320.254	96197139.714	7	2327.660	26.700
	23038898.051	123329154.124	4	-3311.484	38.400
23038908.438	23038907.836	95922495.878	8	-2575.497	38.500
19710439.258	19710438.629	105548437.246	8	-311.277	51.600
19710445.004	19710444.492	82093261.799	9	-241.897	48.000
20587552.609	20587551.398	110052285.842	6	3146.230	44.700
20587558.949	20587559.336	85596228.539	9	2447.164	46.100
22527614.250	22527614.863	120296096.024	4	1697.430	37.500
22527622.445	22527621.012	93563719.532	7	1320.310	27.200
22456997.680	22456997.941	120002786.102	6	-3524.719	42.600
22457007.922	22457007.422	93335902.043	8	-2741.602	38.800
20592282.844	20592282.438	110000471.507	8	-1143.379	49.300
20592288.953	20592288.934	85555728.919	9	-889.145	44.400
23566427.688	23566426.730	125799094.875	5	812.879	40.000
23566435.840	23566436.352	97843732.570	8	632.010	37.400
24045831.539	24045830.355	128629156.530	4	526.734	37.600
24045838.961	24045838.234	100044703.885	8	409.499	33.600
1 3 45.0000000 0 19G04G14G16G18G22G25G26G27G29G31G32R03					
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24353063.852		127976162.013	3	216.070	36.900
	24353072.164	99721705.281	6	168.367	20.100
22815199.813		119894605.573	5	1122.734	41.200
22040392.789	22815207.855	93424369.307	7	874.859	27.400
		115823011.858	6	3083.863	44.100
21769751.789	22040399.246	90251713.280	7	2403.012	31.800
		114400740.125	6	-2750.246	44.400
20126886.328	21769758.785	89143467.254	7	-2143.051	31.200
		105767440.694	7	-838.711	49.600
24300892.516	20126890.613	82416221.926	9	-653.543	44.000
		127702001.229	4	-3477.688	37.700
24300904.758	24300904.133	99508098.833	6	-2709.887	18.600
20408294.523		107246258.293	7	1147.848	49.800
20408303.918	20408304.180	83568551.233	9	894.426	43.900
24547235.000		128996514.249	3	1884.160	36.100
24547246.047	24547246.168	100516818.620	5	1468.176	17.800
24559869.500		129062891.349	3	-341.473	36.300
24559883.281	24559882.504	100568606.196	5	-266.082	17.800
22288523.969		117126915.330	6	-1734.598	44.900
22288530.988	22288531.090	91267725.048	8	-1351.633	34.800
23483788.836		123408147.304	5	2984.703	40.200
23048188.758	23483797.992	96162242.704	6	2325.742	25.600
	23048187.051	123378879.584	5	-3318.125	39.100
23048197.531	23048196.992	95961171.176	8	-2580.807	38.500
19711328.555	19711327.926	105553200.461	8	-323.426	51.400
19711334.070	19711333.953	82096966.512	9	-251.357	46.000
20578732.336	20578731.480	110005139.840	6	3140.195	44.500
20578738.574	20578739.203	85559559.428	9	2442.403	44.600
22522860.117	22522859.086	120270706.386	4	1688.340	38.300
22522867.262	22522865.828	93543972.020	7	1313.233	26.900
22466890.938	22466890.613	120055650.730	6	-3523.504	41.700

22466899.914	22466900.195	93377018.910	8	-2740.642	38.900
20595505.352	20595504.711	110017683.009	7	-1151.160	49.000
20595511.875	20595511.598	85569115.613	9	-895.293	43.600
23564137.492	23564137.004	125786875.229	5	816.816	39.500
23564146.535	23564146.652	97834228.417	8	635.025	36.400
24044345.789	24044344.723	128621211.033	4	532.965	38.300
24044353.137	24044352.777	100038523.969	7	414.263	32.800

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24352452.211		127972950.771	4	211.988	37.600
	24352460.938	99719203.026	6	165.188	20.400
22811994.789		119877764.171	5	1123.063	41.200
	22812003.148	93411246.120	7	875.113	27.900
22031598.672		115776796.890	6	3078.473	44.300
	22031604.723	90215701.611	7	2398.809	32.400
21777611.867		114442043.430	6	-2756.602	44.700
	21777619.137	89175651.586	7	-2148.000	32.100
20129294.391		105780093.011	7	-848.043	49.500
	20129298.344	82426080.853	9	-660.813	44.000
24310823.250		127754189.725	4	-3480.527	38.500
	24310836.344	99548765.135	6	-2712.098	19.900
20405031.172		107229109.592	7	1138.852	49.600
	20405040.137	83555188.599	9	887.418	44.300
24541852.016		128968225.210	2	1887.816	34.600
	24541862.594	100494775.157	6	1471.027	20.400
24560849.922		129068043.580	3	-345.340	36.300
	24560862.871	100572620.943	5	-269.098	17.800
22293475.789		117152939.690	6	-1735.016	45.600
	22293482.875	91288003.751	8	-1351.961	34.700
22934752.102		123363405.294	5	2981.422	40.000
	23475283.543	96127378.809	6	2323.188	25.300
23057495.984		123428707.663	4	-3325.293	38.900
	23057505.730	95999926.294	8	-2586.148	38.300
19712252.969		105558147.204	8	-335.914	51.500
	19712257.820	82100813.966	9	-260.936	47.300
19712258.094		109958087.208	6	3133.734	44.500
20569930.047		20569929.777			
	20569937.520	85522962.951	9	2437.499	45.100
20569937.004		120245454.130	4	1679.035	37.300
22518130.328					
	22518137.492	93524331.356	7	1306.065	27.000
22518139.043		120108498.323	6	-3522.543	41.700
22476781.836					
	22476789.797	93418122.537	8	-2739.793	39.400
22476789.617		110035013.639	8	-1159.410	49.300
20598750.023					
	20598755.398	85582594.963	9	-901.507	44.900
20598755.762		125774599.227	5	820.438	39.900
23561838.031					
	23561846.965	97824680.420	8	637.912	37.200
23561847.219		128613174.381	4	538.875	38.300
24042845.359					
	24042850.750	100032273.145	8	418.926	33.700

1 4 15 0.0000000 0 19G04G14G16G18G22G25G26G27G29G31G32R03

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24351852.695		127969798.254	4	207.941	37.800
	24351860.684	99716746.486	6	162.031	19.900
22808788.828		119860918.020	5	1123.352	41.300
	22808797.156	93398119.245	7	875.340	27.900
22022819.352		115730662.088	6	3073.059	44.400
	22022825.277	90179752.409	7	2394.590	31.900
21785488.984		114483439.244	6	-2762.832	44.300
	21785496.332	89207907.998	7	-2152.855	31.400
20131728.414		105792882.620	7	-857.254	49.700
	20131731.906	82436046.764	9	-667.988	44.100
24320762.625		127806417.608	4	-3483.191	38.300
	24320774.738	99589462.115	6	-2714.176	19.300
24320774.738		107212094.835	7	1129.871	49.300
20401793.633					
	20401802.988	83541930.333	9	880.418	44.100
20401802.875		128939876.301	3	1892.117	35.700
24536457.438					
	24536468.375	100472685.070	6	1474.379	19.000

24561840.992		129073251.657	4	-349.121	37.300
24561854.105	24561854.258	100576679.174	6	-272.043	18.600
22298429.086		117178967.671	6	-1735.262	45.800
22298436.313	22298436.156	91308285.272	8	-1352.152	34.400
23466768.867		123318706.472	5	2978.445	39.700
	23466777.742	96092548.556	6	2320.867	24.800
23066823.727	23066824.250	123478638.840	4	-3332.262	38.300
23066834.750	23066833.914	96038761.581	8	-2591.530	38.100
19713210.602	19713210.090	105563277.929	8	-348.191	52.000
19713216.480	19713216.117	82104804.518	9	-270.500	46.400
20561146.781	20561145.336	109911129.020	6	3127.477	44.500
20561152.328	20561152.922	85486439.927	9	2432.582	45.000
22513429.219	22513428.070	120220339.934	4	1669.754	37.400
22513434.969	22513434.238	93504798.074	7	1298.887	27.600
22486667.766	22486667.559	120161328.724	6	-3521.508	41.700
22486677.270	22486676.719	93459212.789	8	-2738.937	39.100
20602016.648	20602015.539	110052463.681	8	-1167.270	49.300
20602022.480	20602022.469	85596167.192	9	-907.669	43.600
23559528.813	23559527.617	125762267.743	5	824.047	39.800
23559536.680	23559536.805	97815089.282	8	640.762	36.400
24041325.711	24041324.293	128605047.235	4	544.793	37.900
24041332.133	24041331.879	100025951.939	8	423.593	33.900

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24351263.914		127966704.111	4	204.414	37.400
	24351272.266	99714335.437	6	159.285	20.400
22805582.711		119844067.176	5	1123.785	41.300
	22805590.344	93384988.694	7	875.676	29.600
22014055.781		115684607.579	6	3067.613	44.300
	22014061.484	90143865.782	8	2390.348	33.300
21793384.852		114524927.166	6	-2768.949	44.400
	21793391.258	89240236.185	7	-2157.621	31.800
20134187.906		105805809.190	7	-866.293	49.200
	20134191.961	82446119.401	9	-675.035	43.900
24330707.766		127858684.320	4	-3485.602	37.800
24330721.566	24330720.301	99630189.336	6	-2716.055	19.900
20398581.336		107195213.891	7	1121.051	50.000
20398590.453	20398590.613	83528776.334	9	873.547	44.300
24531051.883		128911467.471	3	1895.879	37.000
24531062.781	24531062.781	100450548.230	6	1477.309	19.900
24562842.125		129078515.570	3	-352.836	36.400
24562856.012	24562855.969	100580780.871	6	-274.938	19.600
22303382.383		117204998.870	6	-1735.484	45.500
22303390.230	22303389.750	91328569.288	8	-1352.324	35.300
23458271.234		123274051.108	5	2975.609	41.000
	23458279.992	96057752.172	6	2318.656	25.600
23076173.172	23076170.996	123528672.386	4	-3338.977	37.200
23076181.152	23076180.398	96077676.490	8	-2596.757	37.300
19714202.703	19714202.664	105568592.725	8	-360.324	51.700
19714208.633	19714208.602	82108938.232	9	-279.999	48.200
20552379.617	20552378.172	109864265.632	6	3121.078	44.300
20552385.621	20552386.016	85449990.632	9	2427.635	45.900
22508750.719	22508750.391	120195363.577	3	1660.656	36.800
22508757.762	22508756.566	93485372.015	7	1291.769	28.000
22496552.047	22496550.316	120214141.686	6	-3520.289	42.200
22496559.977	22496559.852	93500289.473	8	-2738.009	39.300
20605305.328	20605304.219	110070032.432	8	-1175.109	49.600
20605311.410	20605311.113	85609831.746	9	-913.837	44.700
23557207.039	23557206.551	125749880.762	4	827.797	38.700
23557216.813	23557216.348	97805454.979	8	643.643	37.300
24039790.047	24039787.926	128596829.433	4	550.852	37.100
24039796.359	24039795.715	100019560.237	8	428.322	34.400

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24350685.336		127963668.300	3	200.305	36.500
	24350694.688	99711969.841	6	156.082	20.100
22802375.398		119827211.915	5	1123.852	41.700
	22802382.480	93371854.708	7	875.730	28.300
22005307.266		115638633.818	6	3062.141	44.500
	22005313.031	90108042.060	7	2386.082	32.800
21801296.578		114566506.948	6	-2775.051	44.200
	21801303.316	89272635.945	7	-2162.379	31.000
20136673.969		105818872.710	7	-875.473	48.500
	20136677.949	82456298.747	9	-682.188	43.900
24340661.188		127910989.542	4	-3488.238	37.800
	24340673.652	99670946.561	6	-2718.109	19.900
24340674.492		107178467.069	7	1111.949	49.900
20395394.438					
20395403.234	20395403.277	83515726.854	9	866.453	44.100
24525634.602		128882998.636	3	1899.848	36.200
	24525645.336	100428364.701	6	1480.402	19.000
24525645.645		129083835.737	4	-356.570	37.200
24563855.586					
24563868.934	24563869.043	100584926.445	5	-277.848	17.800
22308336.445		117231032.870	6	-1735.738	46.000
	22308343.563	91348855.496	8	-1352.523	34.500
22308343.770		123229439.526	5	2972.516	39.700
23449782.164					
	23449790.813	96022989.906	6	2316.246	24.800
23085536.641		123578807.932	4	-3345.984	38.300
	23085537.047				
23085546.047	23085546.160	96116670.755	8	-2602.067	37.600
19715229.852		105574091.824	8	-372.773	52.300
	19715229.578				
19715235.625	19715235.617	82113215.292	9	-289.567	46.500
20543631.008		109817497.664	6	3114.570	44.500
	20543629.680				
20543636.773	20543637.480	85413615.554	9	2422.701	45.000
22504099.289		120170525.397	3	1651.289	36.600
	22504099.551				
22504107.363	22504105.816	93466053.422	6	1284.573	25.800
22506431.172		120266936.555	6	-3519.094	42.100
	22506430.262				
22506440.168	22506440.027	93541352.092	8	-2737.065	38.600
20608616.234		110087719.525	8	-1183.152	49.500
	20608614.891				
20608622.156	20608621.785	85623588.345	9	-919.956	43.400
23554875.492		125737438.656	5	831.285	39.500
	23554875.121				
23554885.293	23554885.520	97795777.808	8	646.480	37.000
24038236.352		128588520.959	3	556.801	36.600
	24038234.699				
24038243.000	24038242.961	100013098.015	8	432.979	35.100