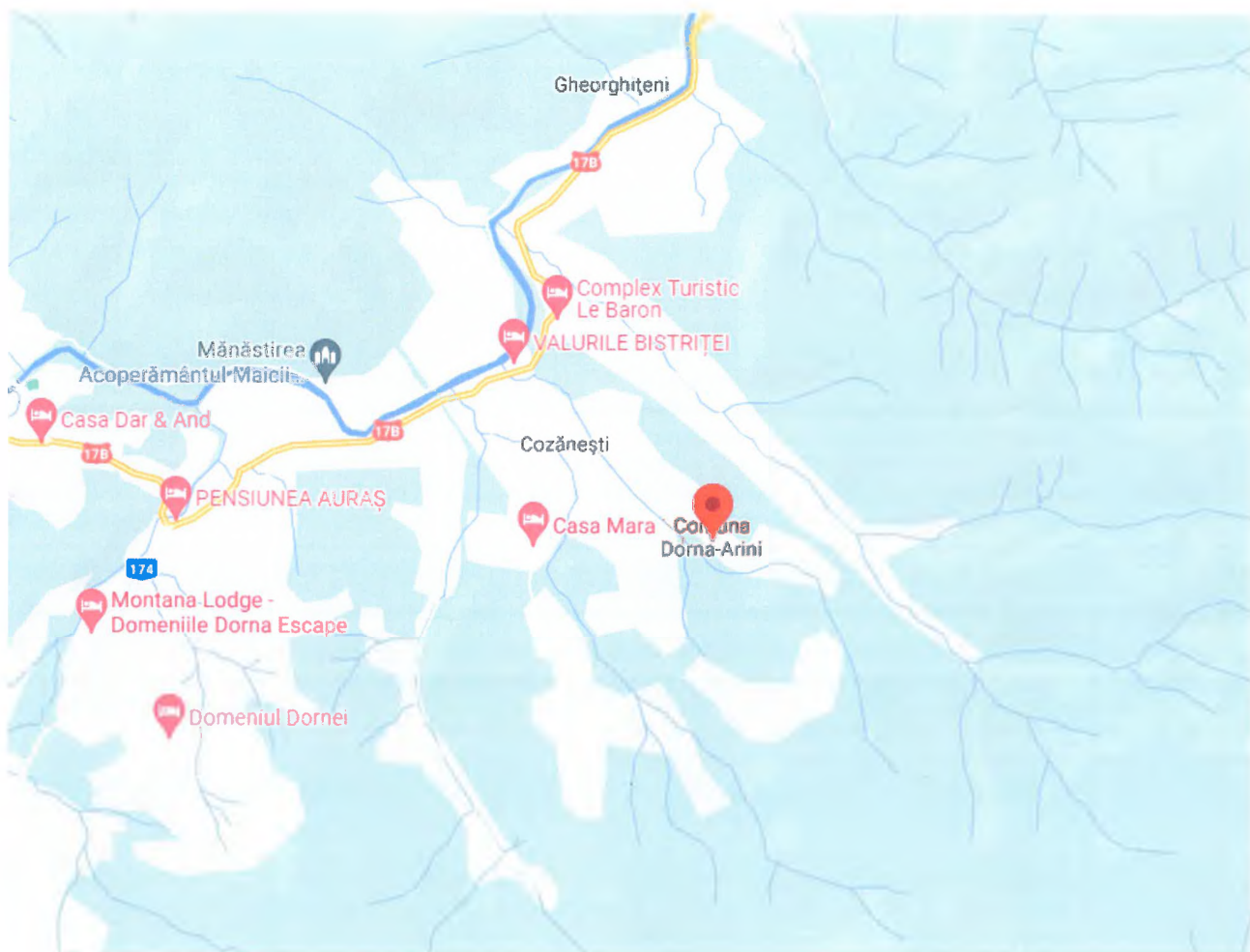


**" MODERNIZARE DRUMURI COMUNALE IN SATELE DORNA ARINI SI RUSCA,  
COMUNA DORNA ARINI, JUDETUL SUCEAVA "**



**FAZA : TOPO**

**DENUMIRE PROIECT: " MODERNIZARE DRUMURI COMUNALE IN  
SATELE DORNA ARINI SI RUSCA, COMUNA DORNA ARINI, JUDETUL  
SUCEAVA "**

**BENEFICIAR: COMUNA DORNA ARINI**  
**EXECUTANT: PFA CHIRAS ALEXANDRU-FLORIN**



# MEMORIU TEHNIC

## I. Generalități

A fost efectuată ridicarea topografică pentru lucrarea "MODERNIZARE DRUMURI COMUNALE IN SATELE DORNA ARINI SI RUSCA, COMUNA DORNA ARINI, JUDETUL SUCEAVA" beneficiarul lucrării fiind COMUNA DORNA ARINI, iar executantul PFA CHIRAS ALEXANDRU-FLORIN.

Zona studiată este situată în INTRAVILAN LOC. DORNA ARINI, COMUNA DORNA-ARINI, JUDETUL SUCEAVA .

### 1 Fondul topografic existent

#### 1.1 Planuri existente

În zona amplasamentului există planuri la scară la 1 : 2880 .

### 2.Date despre amplasament

Suprafața totală măsurată este de 2,65 HA .

## II . Lucrări topografice

Lucrările topografice au cuprins mai multe etape :

### 1. Faza de teren care cuprinde :

- recunoașterea terenului de măsurat ;
- ridicarea în plan a detaliilor pentru realizarea lucrărilor .

### 2 . Faza de birou care cuprinde :

- calcule topografice ;
- redactarea planurilor ;
- cartografierea planurilor .

#### 1. Faza de teren

Recunoașterea obiectivului a fost efectuată împreună cu reprezentantul beneficiarului pentru a identifica terenul .

Lucrările de teren pentru întocmirea planului de situație s-au realizat cu ajutorul receptorului GNSS: ComNav T-300, dubla frecvență GPS+GLONASS-rover RTK. După finalizarea ridicării topografice, am redeterminat coordonatele a două puncte caracteristice de pe conturul proprietății, prin reinițializarea receptorului GNSS.

Transcalcul, de coordonate din sistem geocentric (B,L,h) in sistemul national de referinta (X,Y,Z), s-a realizat utilizand softul, implementat in carnetul de teren, "Carlson Surv CE", receptionat de A.N.C.P.I. prin procesul verbal de receptie nr. 3/18.01.2012, nr. de inregistrare 1049683/20.01.2012. S-au realizat determinari cinematice in modul RTK-Nearest 3.1 prin utilizarea in timp real a corectiilor diferentiale de la serviciul specializat ROMPOS utilizand username "florin\_ch16872".

## 2 . Faza de birou

### 2.1.Calcul topografice

Suprafețele rezultate din masuratori s-au calculat analitic, din coordonate. Nu s-au utilizat puncte geodezice vechi. Punctele noi din rețeaua de ridicare sunt dispuse in teren si descrise topografic conform planului topografic anexat. La prezenta documentatie s-a anexat inventarul de coordonate in format analogic si digital.

### 2.2 Redactarea planurilor

Planul topografic s-a redactat cu ajutorul ploterului Konica Minolta-bizhub C224e.

Întocmirea planului s-a facut la scara 1:1000, în sistemul de proiectie Stereografic Plan Secant Unic 1970. Detaliile au fost transpuse pe plan prin semne convenționale, relieful terenului fiind reprezentat prin metoda planului cotat. Suprafata studiata topografic (conform cerintelor urbanistice) este de 26500.00 mp, iar limita corpului de proprietate este partial ingradita.

### 2.3 Cartografierea planurilor

Cadrul și caroiajul foilor de plan topografic s-au executat pe foii de plan format A3.

Semnele convenționale folosite la întocmirea foii de plan sunt trecute în legenda de semne convenționale anexată și sunt identificate cu cele din Normativul de condiții tehnice de executare și recepție a lucrarilor geodezice-topografice pentru întocmirea planurilor topografice C110/69 .

Intocmirea prezentului studiu topografic este necesar in vederea intocmirii Studiului de Fezabilitate.

Întocmit,  
PFA CHIRAS ALEXANDRU FLORIN



## INVENTAR DE COORDONATE

### 1. Denumire si coordonate in sistem national (STEREO 70) si ellipsoidal ale punctelor retelei de ridicare utilizate:

Nr. pct.	STEREO 70			WGS 84			Denumire
	X	Y	Z	Bw	Lw	Hw	
0035	682589.516	593070.520	381.193	47 38 9.278310	26 14 13.047978	415.2147	Statie Ref. Suceava

### 2. Denumire si coordonate in sistem national (STEREO 70) si ellipsoidal ale punctelor de detaliu determinate:

1	646800.407	530232.810	897.683	34	664	647302.467	530130.186	860.370	3
2	646800.348	530232.833	897.747	2	665	647302.208	530129.531	860.442	5
3	646801.715	530232.959	897.455	18	666	647301.815	530128.858	860.217	6
4	646803.588	530231.536	897.453	34	667	647301.574	530128.480	860.421	5
5	646805.675	530230.614	897.201	34	668	647300.819	530127.056	861.429	24
6	646805.608	530230.602	897.376	2	669	647310.602	530129.918	860.082	24
7	646806.511	530231.316	897.186	3	670	647312.036	530131.878	859.916	34
8	646807.429	530230.842	897.153	3	671	647312.462	530130.984	859.820	18
9	646808.481	530230.371	897.095	3	672	647314.231	530129.620	859.664	18
10	646809.785	530229.201	897.187	34	673	647316.301	530129.386	859.515	34
11	646809.962	530229.086	897.196	2	674	647316.936	530128.800	859.533	14
12	646810.761	530237.647	896.945	24	675	647315.808	530127.852	859.488	18
13	646810.445	530237.913	896.984	18	676	647315.465	530127.059	859.534	3
14	646809.837	530238.102	896.962	3	677	647315.064	530126.122	859.501	3
15	646808.813	530238.401	897.019	3	678	647314.162	530124.507	859.422	3
16	646807.787	530238.720	897.018	3	679	647313.251	530123.068	859.869	20
17	646806.200	530239.342	897.076	18	680	647313.447	530122.858	859.338	6
18	646804.267	530240.306	897.300	24	681	647313.250	530122.703	859.632	5
19	646806.378	530245.901	897.103	14	682	647313.624	530123.068	859.701	5
20	646808.114	530249.327	897.001	14	683	647312.527	530121.925	860.388	34
21	646805.626	530251.059	896.990	14	684	647311.140	530122.494	860.449	34
22	646805.899	530251.491	896.951	24	685	647311.279	530123.062	860.121	18
23	646807.802	530255.129	897.183	14	686	647312.453	530122.581	860.009	18
24	646809.235	530250.444	896.814	18	687	647313.511	530123.652	859.564	18
25	646810.376	530248.911	896.711	3	688	647311.905	530123.834	860.017	0
26	646811.205	530248.673	896.667	3	689	647311.781	530123.832	860.016	20
27	646812.588	530248.215	896.604	3	690	647311.599	530123.914	859.559	6
28	646813.594	530247.974	896.668	24	691	647311.667	530124.130	859.790	5
29	646817.294	530256.196	896.257	24	692	647311.257	530122.674	859.898	5
30	646816.617	530256.315	896.284	3	693	647319.912	530126.689	859.465	14
31	646815.851	530256.671	896.318	3	694	647320.067	530125.118	859.520	34
32	646814.792	530256.922	896.330	3	695	647321.950	530123.659	859.403	34
33	646813.474	530257.444	896.432	18	696	647324.827	530122.610	858.993	34
34	646812.449	530258.590	896.538	24	697	647326.098	530121.924	858.881	34
35	646811.555	530257.315	896.818	18	698	647325.692	530121.246	858.763	3
36	646809.551	530257.526	897.147	14	699	647325.183	530120.334	858.750	3
37	646815.230	530264.786	896.286	34	700	647324.438	530118.993	858.780	3
38	646817.213	530270.733	895.988	34	701	647323.896	530118.486	859.089	20
39	646817.775	530269.937	895.940	18	702	647323.495	530117.539	859.062	20
40	646820.627	530271.065	895.483	18	703	647323.697	530117.388	858.841	5
41	646820.666	530272.288	895.589	4	704	647324.070	530117.938	858.762	5
42	646820.662	530272.277	895.596	24	705	647324.060	530117.636	858.459	6
43	646821.639	530271.598	895.478	3	706	647323.393	530116.578	859.464	34
44	646822.525	530271.102	895.432	3	707	647322.043	530117.020	859.289	34
45	646823.432	530270.634	895.415	3	708	647322.028	530117.027	859.416	2
46	646824.824	530269.972	895.466	24	709	647322.247	530118.243	859.153	20
47	646828.499	530276.896	895.082	34	710	647322.546	530118.825	859.209	20
48	646831.524	530282.014	894.695	34	711	647322.317	530118.870	859.034	5
49	646830.826	530282.323	894.688	3	712	647321.731	530118.471	859.175	5
50	646829.997	530282.807	894.643	3	713	647322.109	530118.771	858.688	6
51	646828.608	530283.765	894.724	3	714	647333.650	530110.600	858.669	24
52	646827.786	530284.238	894.838	24	715	647333.537	530110.163	858.862	24
53	646828.058	530284.112	894.826	18	716	647333.387	530110.121	859.056	2
54	646829.877	530289.162	894.569	24	717	647333.994	530110.500	857.943	5
55	646830.706	530288.029	894.403	3	718	647334.290	530110.864	857.390	6
56	646831.741	530287.854	894.331	3	719	647334.579	530111.411	857.577	5
57	646833.009	530287.532	894.296	3	720	647334.951	530111.816	857.739	12
58	646834.370	530287.369	894.302	24	721	647335.022	530112.713	857.774	3
59	646830.594	530289.425	894.326	3	722	647335.405	530113.594	857.714	3
60	646830.252	530290.099	894.340	3	723	647336.170	530115.002	857.773	3
61	646829.457	530290.632	894.380	3	724	647336.481	530115.454	858.218	18

62	646828.172	530290.895	894.471	3	725	647336.880	530116.061	858.358	24
63	646827.562	530289.815	894.947	24	726	647343.261	530112.154	857.774	18
64	646827.684	530291.646	894.454	3	727	647343.461	530111.614	856.649	18
65	646828.031	530293.688	894.341	3	728	647344.068	530112.000	857.410	24
66	646827.851	530294.905	894.538	24	729	647345.930	530111.998	856.681	34
67	646821.724	530294.863	894.879	24	730	647345.946	530111.653	856.718	18
68	646821.405	530293.388	894.792	3	731	647352.377	530111.726	856.654	34
69	646821.232	530292.263	894.815	3	732	647352.421	530111.874	856.770	2
70	646821.118	530291.158	894.846	3	733	647352.028	530110.453	856.503	18
71	646821.085	530289.490	895.064	24	734	647351.176	530108.957	856.357	18
72	646809.849	530289.762	895.704	24	735	647350.524	530107.564	856.183	3
73	646810.169	530290.640	895.638	3	736	647350.105	530106.783	856.139	3
74	646810.123	530291.484	895.578	3	737	647349.351	530105.326	856.115	3
75	646810.098	530292.729	895.527	3	738	647348.926	530104.522	856.093	5
76	646810.236	530294.399	895.557	18	739	647348.867	530104.063	855.812	6
77	646809.768	530296.461	895.314	24	740	647348.467	530103.772	856.187	5
78	646831.220	530292.144	894.198	3	741	647348.065	530102.542	857.549	18
79	646834.060	530291.893	894.073	3	742	647347.770	530101.718	857.887	24
80	646835.333	530291.557	893.969	3	743	647358.517	530108.902	855.534	34
81	646836.473	530291.233	894.122	24	744	647365.306	530106.041	855.414	34
82	646832.186	530294.177	894.062	3	745	647364.355	530105.139	855.299	18
83	646831.748	530295.894	894.251	24	746	647365.592	530102.756	854.769	18
84	646834.431	530295.798	893.937	3	747	647368.110	530101.473	854.639	18
85	646835.857	530297.256	893.738	3	748	647368.556	530101.928	855.120	24
86	646835.392	530298.228	894.001	24	749	647368.334	530101.969	855.145	2
87	646837.255	530297.428	893.624	3	750	647367.873	530100.973	854.501	3
88	646838.413	530297.082	893.569	3	751	647367.596	530099.828	854.458	3
89	646839.893	530296.695	893.819	24	752	647367.005	530098.144	854.398	3
90	646837.975	530301.345	893.534	36	753	647366.747	530097.603	854.472	5
91	646836.834	530302.126	893.553	14	754	647366.531	530096.805	854.020	6
92	646840.213	530307.119	893.303	36	755	647366.234	530096.542	854.375	5
93	646840.931	530308.953	893.170	36	756	647365.823	530095.330	855.473	18
94	646840.344	530309.650	893.098	14	757	647365.667	530094.688	856.270	24
95	646841.018	530309.569	893.257	18	758	647382.530	530097.312	854.079	24
96	646842.643	530310.443	892.922	14	759	647382.093	530096.312	853.532	18
97	646842.710	530309.994	892.801	18	760	647381.710	530096.169	853.290	3
98	646842.953	530309.455	892.757	3	761	647381.560	530094.618	853.206	3
99	646844.244	530308.598	892.707	3	762	647381.139	530093.028	853.187	3
100	646845.342	530307.778	892.640	3	763	647380.994	530092.404	853.207	5
101	646846.040	530307.051	892.705	24	764	647380.838	530091.800	853.054	6
102	646848.637	530307.021	892.552	24	765	647380.685	530091.197	853.443	5
103	646848.693	530307.440	892.497	5	766	647380.225	530089.993	854.681	4
104	646848.781	530308.066	892.451	5	767	647390.246	530088.898	852.567	12
105	646848.734	530307.772	892.276	6	768	647398.369	530085.235	852.761	24
106	646848.762	530308.478	892.633	18	769	647398.438	530085.764	851.801	5
107	646849.000	530310.276	892.290	3	770	647398.584	530086.127	851.419	6
108	646848.543	530312.502	892.283	3	771	647398.673	530086.181	851.353	5
109	646848.153	530314.462	892.255	3	772	647399.149	530087.676	851.849	3
110	646847.298	530314.773	892.401	18	773	647399.414	530088.751	851.842	3
111	646844.133	530314.443	892.526	14	774	647400.115	530091.012	851.997	3
112	646843.389	530314.856	892.542	14	775	647400.531	530092.295	852.602	24
113	646844.858	530317.568	892.577	14	776	647400.371	530091.590	852.653	18
114	646846.185	530317.122	892.488	24	777	647414.562	530087.597	851.083	18
115	646847.914	530316.129	892.393	24	778	647415.099	530088.350	851.502	24
116	646848.993	530315.613	892.196	3	779	647414.917	530087.577	851.078	3
117	646850.008	530316.265	891.979	3	780	647414.426	530086.132	850.982	3
118	646850.622	530317.863	891.759	3	781	647414.085	530084.321	850.938	3
119	646848.904	530318.436	891.973	34	782	647414.192	530083.747	850.957	18
120	646849.906	530321.839	891.566	34	783	647413.851	530082.438	851.027	20
121	646851.294	530321.751	891.308	3	784	647413.616	530082.391	850.559	6
122	646853.167	530322.635	891.167	3	785	647413.840	530082.722	850.827	5
123	646855.260	530323.270	891.186	3	786	647413.655	530082.091	850.952	5
124	646856.041	530323.174	891.210	8	787	647413.674	530081.042	851.437	34
125	646856.672	530323.321	891.239	18	788	647417.652	530080.413	851.188	34
126	646857.093	530323.093	891.302	18	789	647418.535	530079.936	851.254	12
127	646858.410	530322.738	891.198	18	790	647419.325	530079.873	851.105	40
128	646861.356	530321.412	890.863	14	791	647417.911	530081.156	850.818	20
129	646855.310	530326.450	891.093	18	792	647418.219	530081.184	850.213	6
130	646856.542	530328.122	891.065	18	793	647418.120	530080.957	850.626	5
131	646854.044	530330.375	890.911	24	794	647418.261	530081.444	850.600	5
132	646855.088	530331.092	891.024	24	795	647418.095	530082.221	850.665	18
133	646854.084	530330.387	890.953	18	796	647417.993	530087.552	850.913	18
134	646852.914	530329.664	890.962	3	797	647418.114	530090.339	851.079	18
135	646851.241	530328.946	890.919	3	798	647417.584	530093.673	851.000	34
136	646849.783	530328.358	890.887	3	799	647418.068	530094.694	851.001	34
137	646848.626	530327.971	891.052	24	800	647419.470	530093.647	850.942	34
138	646843.963	530334.228	890.616	24	801	647424.472	530091.488	850.539	34
139	646844.672	530334.697	890.167	3	802	647423.627	530089.873	850.685	18
140	646845.842	530335.993	890.242	3	803	647426.241	530086.592	850.558	18
141	646847.150	530336.975	890.313	3	804	647430.388	530085.873	850.203	24
142	646848.733	530338.307	890.450	24	805	647430.388	530085.983	850.181	24
143	646846.343	530342.596	890.044	24	806	647430.387	530085.911	850.196	2
144	646846.348	530342.509	890.196	2	807	647429.308	530084.081	850.485	24
145	646844.086	530343.437	889.926	24	808	647428.928	530083.314	850.149	3
146	646843.858	530342.425	889.895	18	809	647428.532	530082.031	850.070	3
147	646842.849	530341.590	889.796	3	810	647428.015	530080.613	849.963	3

148	646841.892	530340.605	889.754	3	811	647427.746	530079.947	849.997	5
149	646840.501	530338.780	889.691	3	812	647427.418	530079.125	849.689	6
150	646840.034	530338.174	889.782	18	813	647427.225	530078.842	850.114	5
151	646839.668	530337.655	890.038	24	814	647427.256	530078.052	850.746	18
152	646858.801	530318.977	891.479	18	815	647426.835	530077.022	851.151	18
153	646860.602	530319.768	890.998	18	816	647426.250	530075.118	851.427	18
154	646858.866	530318.161	891.438	3	817	647424.027	530076.221	851.283	24
155	646857.201	530317.153	891.507	3	818	647424.557	530077.540	851.285	24
156	646855.327	530316.316	891.603	3	819	647431.591	530075.461	850.799	28
157	646852.181	530314.802	891.915	3	820	647438.872	530068.318	850.730	18
158	646853.164	530313.626	891.833	12	821	647439.573	530068.778	850.612	18
159	646850.987	530311.669	892.120	3	822	647440.344	530070.521	850.124	18
160	646852.353	530311.630	891.989	3	823	647440.833	530072.011	849.092	5
161	646852.537	530311.065	892.065	12	824	647440.987	530072.383	848.833	6
162	646854.110	530311.912	891.850	3	825	647441.303	530073.139	849.006	5
163	646855.605	530311.967	891.760	3	826	647441.481	530073.749	849.040	3
164	646857.832	530311.432	891.717	3	827	647442.127	530075.216	849.039	3
165	646860.036	530310.276	891.707	3	828	647442.666	530076.484	849.121	3
166	646861.133	530311.207	891.671	3	829	647443.326	530077.782	849.164	18
167	646862.522	530312.327	891.547	3	830	647443.937	530079.034	849.318	34
168	646862.613	530312.386	891.593	18	831	647440.835	530079.178	849.468	18
169	646863.430	530312.795	891.439	18	832	647436.948	530080.414	850.002	24
170	646865.659	530314.063	890.962	18	833	647436.929	530080.983	850.296	28
171	646866.821	530315.169	890.947	18	834	647448.971	530077.910	849.135	34
172	646866.510	530318.633	890.783	14	835	647449.463	530077.998	849.183	2
173	646869.279	530312.101	890.838	24	836	647450.414	530076.471	849.124	67
174	646865.593	530309.967	891.383	24	837	647451.421	530076.766	848.956	24
175	646865.018	530309.452	891.503	3	838	647451.569	530075.518	849.210	7
176	646864.000	530308.443	891.550	3	839	647450.856	530074.172	849.243	24
177	646862.679	530307.637	891.646	3	840	647450.645	530073.472	848.958	18
178	646861.994	530307.089	891.773	4	841	647453.557	530072.386	849.014	24
179	646861.973	530307.074	891.777	24	842	647452.889	530071.522	848.690	3
180	646861.157	530308.482	891.718	18	843	647452.476	530070.623	848.614	3
181	646859.268	530308.380	891.913	18	844	647451.669	530069.055	848.563	3
182	646858.990	530305.303	892.148	5	845	647451.167	530068.151	848.563	5
183	646858.623	530304.758	892.029	5	846	647450.687	530067.227	848.317	6
184	646858.803	530305.021	891.883	6	847	647450.387	530066.821	848.745	5
185	646858.762	530304.441	892.012	24	848	647449.958	530066.000	849.535	18
186	646856.364	530302.160	892.400	24	849	647449.716	530064.922	849.928	18
187	646856.211	530301.945	892.437	2	850	647448.642	530063.208	850.050	18
188	646854.667	530307.745	892.286	5	851	647448.560	530063.904	850.175	7
189	646854.238	530307.165	892.188	5	852	647445.553	530067.767	850.110	12
190	646854.291	530307.382	892.086	6	853	647446.956	530070.138	848.780	12
191	646853.882	530306.592	892.466	18	854	647461.273	530068.212	848.162	24
192	646854.729	530309.155	891.988	18	855	647462.043	530068.566	848.101	34
193	646866.165	530301.611	891.765	24	856	647468.841	530064.934	847.847	34
194	646866.589	530300.892	891.792	28	857	647468.314	530064.088	847.773	3
195	646866.579	530301.645	891.477	18	858	647467.714	530062.853	847.666	3
196	646867.135	530301.863	891.400	3	859	647466.771	530061.071	847.678	3
197	646868.460	530302.384	891.368	3	860	647466.375	530060.321	847.679	5
198	646869.412	530302.900	891.309	3	861	647465.975	530059.652	847.474	6
199	646870.136	530303.196	891.300	24	862	647465.663	530059.218	847.779	5
200	646873.770	530298.638	891.110	24	863	647465.334	530058.910	848.052	18
201	646873.747	530298.433	891.136	3	864	647464.990	530058.293	848.200	24
202	646872.842	530297.334	891.135	3	865	647470.552	530055.577	847.577	24
203	646871.874	530296.309	891.109	3	866	647470.551	530055.472	847.716	2
204	646871.376	530295.745	891.182	18	867	647483.157	530057.366	846.397	34
205	646870.303	530294.870	891.596	24	868	647482.507	530056.925	846.395	18
206	646871.983	530293.547	891.155	5	869	647482.141	530056.638	846.379	3
207	646871.827	530293.209	890.871	6	870	647481.450	530055.263	846.365	3
208	646872.039	530293.082	891.473	5	871	647480.520	530053.714	846.332	3
209	646871.826	530291.527	891.450	24	872	647480.387	530053.277	846.267	5
210	646873.324	530290.251	891.442	24	873	647480.169	530052.710	845.985	6
211	646873.791	530290.814	891.140	5	874	647480.037	530052.382	846.386	5
212	646874.002	530291.106	890.672	6	875	647478.702	530050.218	847.250	24
213	646874.259	530291.450	890.933	5	876	647478.992	530051.420	847.166	28
214	646874.823	530292.413	891.021	3	877	647488.533	530054.394	846.370	34
215	646876.077	530293.910	890.993	3	878	647488.609	530054.487	846.580	2
216	646876.865	530294.985	890.876	3	879	647488.712	530053.964	846.395	24
217	646877.628	530296.009	890.884	24	880	647491.036	530052.596	846.219	24
218	646880.776	530294.045	890.676	67	881	647490.885	530052.255	846.121	18
219	646883.873	530292.413	890.762	7	882	647490.611	530051.917	845.704	3
220	646883.760	530291.877	890.374	24	883	647490.237	530050.693	845.684	3
221	646883.355	530291.121	890.384	3	884	647489.759	530049.371	845.647	3
222	646882.982	530289.945	890.400	3	885	647489.409	530048.736	845.779	5
223	646882.516	530288.104	890.404	3	886	647489.265	530048.015	845.338	6
224	646882.438	530287.186	890.296	5	887	647488.964	530047.406	845.641	5
225	646882.266	530286.489	890.083	6	888	647488.356	530046.103	846.088	24
226	646882.217	530286.123	890.365	5	889	647497.045	530050.595	845.825	28
227	646882.150	530285.572	890.942	24	890	647499.960	530049.892	845.363	24
228	646882.705	530284.676	890.839	12	891	647499.739	530049.312	845.125	18
229	646892.215	530281.360	890.260	24	892	647499.475	530048.906	844.798	3
230	646892.310	530282.220	889.990	5	893	647499.222	530047.851	844.750	3
231	646892.691	530282.362	889.353	6	894	647498.890	530046.224	844.721	3
232	646892.831	530282.742	889.625	5	895	647498.489	530045.483	844.710	12
233	646893.130	530283.671	889.639	3	896	647498.698	530045.061	844.640	5



234	646893.477	530284.868	889.554	3	897	647498.577	530044.318	844.683	5
235	646893.904	530286.018	889.530	3	898	647498.627	530044.391	844.258	6
236	646894.410	530287.210	889.627	24	899	647498.333	530043.185	845.418	24
237	646907.116	530283.413	888.699	24	900	647507.438	530042.468	844.275	5
238	646906.641	530282.752	888.662	3	901	647507.930	530041.966	844.314	20
239	646906.358	530281.728	888.662	3	902	647507.968	530041.459	844.354	20
240	646905.721	530279.911	888.771	3	903	647508.022	530041.123	844.412	5
241	646907.002	530279.763	888.664	12	904	647507.777	530041.232	844.072	6
242	646905.236	530278.975	888.708	55	905	647507.466	530041.670	843.957	6
243	646904.868	530278.146	889.294	55	906	647507.741	530041.539	843.943	6
244	646904.914	530278.533	888.174	6	907	647507.043	530041.476	844.815	5
245	646905.033	530277.677	889.262	24	908	647506.180	530040.070	845.370	24
246	646904.715	530275.588	889.402	24	909	647506.997	530039.618	844.753	5
247	646905.132	530275.088	889.189	36	910	647507.265	530039.294	844.376	6
248	646903.954	530268.507	889.506	36	911	647507.729	530039.218	844.696	5
249	646903.132	530268.045	889.864	24	912	647508.453	530039.121	844.681	3
250	646912.747	530265.128	889.038	36	913	647509.037	530040.176	844.453	3
251	646913.842	530266.536	888.933	18	914	647508.926	530041.565	844.277	3
252	646915.193	530270.408	888.705	36	915	647507.888	530042.874	844.356	3
253	646916.228	530272.565	888.492	36	916	647508.076	530044.734	844.345	3
254	646916.407	530273.405	888.232	20	917	647508.416	530046.167	844.293	3
255	646916.595	530273.885	888.211	20	918	647508.730	530046.974	844.561	24
256	646916.488	530274.065	888.135	55	919	647509.111	530047.323	844.553	28
257	646916.135	530273.453	888.537	55	920	647513.330	530046.329	844.221	24
258	646916.355	530273.816	887.572	6	921	647513.026	530045.675	843.927	3
259	646916.918	530274.810	888.076	3	922	647513.054	530045.656	843.953	3
260	646917.431	530276.470	887.952	3	923	647512.749	530044.809	843.963	3
261	646917.998	530278.322	887.961	3	924	647511.804	530042.152	844.001	3
262	646918.438	530279.774	887.898	18	925	647510.403	530039.253	844.515	3
263	646915.742	530281.154	888.167	34	926	647512.180	530038.201	844.514	3
264	646917.136	530281.601	888.037	34	927	647513.366	530037.937	844.688	12
265	646919.422	530281.926	887.853	34	928	647514.409	530037.333	845.205	24
266	646919.481	530281.865	888.004	2	929	647513.317	530036.754	845.163	24
267	646924.392	530278.933	887.475	34	930	647513.175	530035.747	845.413	7
268	646924.201	530278.040	887.531	18	931	647511.164	530030.366	845.786	24
269	646927.182	530274.659	887.385	24	932	647510.485	530030.577	845.712	3
270	646927.088	530274.388	887.399	18	933	647508.895	530030.620	845.642	3
271	646926.758	530273.872	887.406	3	934	647507.607	530030.808	845.646	3
272	646926.371	530272.442	887.479	3	935	647506.908	530031.005	845.664	5
273	646925.693	530271.223	887.545	3	936	647505.949	530031.078	845.337	6
274	646924.909	530269.682	887.845	36	937	647505.391	530031.153	845.755	5
275	646924.380	530268.601	888.020	18	938	647505.113	530031.251	846.155	24
276	646922.561	530263.547	888.534	18	939	647503.179	530025.508	846.797	24
277	646934.205	530258.011	887.838	18	940	647503.725	530025.182	846.361	5
278	646938.778	530256.099	887.600	36	941	647503.962	530024.946	846.127	6
279	646941.008	530255.339	887.503	24	942	647504.375	530024.701	846.237	5
280	646940.716	530256.521	887.496	7	943	647505.441	530024.171	846.279	3
281	646937.659	530259.123	887.547	18	944	647506.484	530023.945	846.235	3
282	646937.176	530263.189	887.103	36	945	647507.548	530023.470	846.247	3
283	646938.039	530264.481	886.873	3	946	647509.282	530022.721	846.226	24
284	646938.363	530265.578	886.700	3	947	647512.631	530038.666	844.352	3
285	646939.130	530267.442	886.690	3	948	647513.634	530039.690	844.027	3
286	646939.360	530268.220	886.866	24	949	647514.540	530040.469	843.759	3
287	646939.443	530268.742	886.972	2	950	647515.639	530040.915	843.574	3
288	646936.416	530270.467	886.830	12	951	647515.399	530040.246	843.572	20
289	646940.334	530261.955	886.897	28	952	647515.228	530039.710	843.663	20
290	646940.475	530260.470	887.150	7	953	647515.416	530039.579	843.565	5
291	646941.899	530261.427	886.769	36	954	647515.587	530040.000	843.479	5
292	646942.088	530260.796	886.811	24	955	647515.593	530039.782	843.061	6
293	646944.830	530259.068	886.511	12	956	647515.099	530038.703	844.228	18
294	646946.301	530261.037	886.091	12	957	647516.622	530042.765	843.481	3
295	646946.814	530258.634	886.399	24	958	647517.157	530044.724	843.513	3
296	646946.953	530259.344	886.028	20	959	647517.437	530045.620	843.534	24
297	646947.145	530259.146	885.887	5	960	647531.114	530042.911	842.841	34
298	646947.355	530259.408	885.545	6	961	647534.709	530041.890	842.589	34
299	646947.390	530259.778	885.766	5	962	647534.323	530041.053	842.346	3
300	646947.295	530259.943	885.949	20	963	647533.927	530039.787	842.212	3
301	646947.646	530260.664	885.854	3	964	647533.470	530037.923	842.106	3
302	646948.300	530262.130	885.941	3	965	647533.235	530036.895	842.130	5
303	646948.832	530263.261	885.912	3	966	647533.118	530036.240	842.163	5
304	646949.192	530264.286	885.991	24	967	647533.188	530036.523	841.794	6
305	646953.373	530256.785	885.861	28	968	647533.042	530036.435	842.537	18
306	646954.154	530256.182	885.380	40	969	647532.429	530034.640	842.991	24
307	646960.209	530259.860	885.330	24	970	647541.092	530032.505	842.821	12
308	646959.754	530258.967	885.068	3	971	647541.898	530031.932	842.713	24
309	646959.224	530257.878	885.026	3	972	647541.770	530031.010	842.819	24
310	646958.845	530256.506	884.968	3	973	647541.787	530031.022	842.833	2
311	646958.550	530255.976	884.943	5	974	647552.950	530028.339	841.946	24
312	646958.480	530255.112	884.622	6	975	647553.315	530028.813	841.628	18
313	646958.250	530254.787	885.143	5	976	647553.501	530030.491	840.620	5
314	646957.885	530254.187	885.632	24	977	647553.588	530030.997	840.688	5
315	646958.293	530254.353	885.659	28	978	647553.573	530030.600	840.270	6
316	646968.372	530251.165	884.941	28	979	647553.842	530031.428	840.771	12
317	646972.060	530249.329	884.786	24	980	647553.863	530031.967	840.732	3
318	646972.159	530249.387	884.255	5	981	647554.290	530033.496	840.740	3
319	646972.348	530249.573	883.852	6	982	647554.737	530035.503	840.885	3

320	646972.537	530249.961	883.763	5	983	647554.983	530036.494	841.153	24
321	646972.789	530250.722	883.810	3	984	647560.792	530035.543	840.575	34
322	646973.253	530252.324	883.859	3	985	647560.787	530035.580	840.562	34
323	646973.716	530253.596	883.808	3	986	647560.769	530035.538	840.528	2
324	646974.141	530254.982	883.938	24	987	647567.179	530034.331	839.894	34
325	646985.689	530251.139	883.167	24	988	647568.866	530034.120	839.901	24
326	646985.155	530250.489	883.006	3	989	647568.502	530033.315	839.612	3
327	646984.873	530249.121	882.995	3	990	647568.209	530031.843	839.544	3
328	646984.531	530247.899	882.895	3	991	647567.967	530030.454	839.473	3
329	646984.080	530246.723	882.949	5	992	647567.945	530028.928	839.446	5
330	646983.740	530246.050	883.079	5	993	647567.816	530028.059	839.413	5
331	646983.902	530246.193	882.725	6	994	647568.054	530028.089	838.995	6
332	646983.515	530245.796	883.442	24	995	647567.455	530026.638	840.100	18
333	646983.681	530245.758	883.524	28	996	647567.281	530025.412	840.890	24
334	646992.867	530249.281	882.501	24	997	647567.235	530025.183	841.005	7
335	646995.618	530249.857	882.344	34	998	647585.309	530030.678	838.235	24
336	646995.643	530249.990	882.470	2	999	647584.962	530030.162	837.887	3
337	646995.891	530248.975	882.310	18	1000	647584.738	530029.392	837.788	3
338	647000.918	530248.534	881.993	34	1001	647584.384	530027.042	837.757	3
339	646996.673	530247.828	882.355	3	1002	647584.432	530025.902	837.773	18
340	646996.390	530246.728	882.357	3	1003	647584.129	530025.228	837.805	20
341	646996.201	530245.388	882.266	3	1004	647583.910	530024.440	837.798	20
342	646995.950	530244.311	882.281	18	1005	647583.682	530024.528	837.735	5
343	646994.294	530245.164	882.392	12	1006	647583.943	530025.119	837.728	5
344	646995.673	530243.753	882.231	20	1007	647583.712	530024.854	837.020	6
345	646995.694	530243.254	882.303	20	1008	647583.731	530023.908	838.110	18
346	646995.439	530243.337	882.353	5	1009	647583.301	530023.265	838.541	18
347	646995.500	530243.676	882.197	5	1010	647581.572	530022.565	839.004	24
348	646995.378	530243.397	881.890	6	1011	647583.325	530021.536	838.528	18
349	646995.620	530243.114	882.452	34	1012	647583.323	530019.664	838.665	34
350	646995.305	530243.134	882.617	28	1013	647586.539	530018.368	838.609	34
351	647004.266	530240.342	881.813	34	1014	647587.434	530019.302	838.435	18
352	647005.279	530240.225	881.910	28	1015	647590.495	530019.690	838.453	24
353	647004.629	530240.623	881.686	20	1016	647590.873	530020.422	838.433	28
354	647004.764	530240.616	881.692	5	1017	647589.680	530021.551	838.060	18
355	647004.825	530240.837	881.203	6	1018	647590.542	530023.122	837.348	20
356	647004.847	530241.540	881.326	5	1019	647590.919	530023.179	837.134	5
357	647004.441	530241.661	881.584	20	1020	647591.058	530023.493	836.373	6
358	647005.055	530242.732	881.405	3	1021	647591.068	530023.961	836.865	5
359	647005.394	530243.809	881.389	3	1022	647590.781	530024.006	837.185	20
360	647006.045	530245.624	881.442	3	1023	647595.321	530020.036	837.590	12
361	647006.669	530246.758	881.519	24	1024	647597.979	530017.210	838.051	24
362	647010.869	530245.344	881.128	12	1025	647597.996	530017.157	838.049	2
363	647013.850	530244.545	880.909	24	1026	647598.312	530018.329	837.654	24
364	647014.285	530244.755	881.015	2	1027	647598.744	530019.040	837.005	18
365	647018.225	530243.303	880.637	24	1028	647599.042	530020.997	835.763	5
366	647018.679	530243.949	880.642	7	1029	647599.087	530021.512	835.473	6
367	647018.110	530242.877	880.548	3	1030	647599.232	530022.521	836.020	5
368	647018.100	530241.689	880.453	3	1031	647599.323	530023.248	836.041	3
369	647017.825	530240.395	880.411	3	1032	647599.729	530025.160	836.065	3
370	647017.590	530238.884	880.344	5	1033	647600.077	530026.562	836.138	3
371	647017.533	530238.345	880.075	6	1034	647600.293	530027.670	836.439	24
372	647017.444	530237.925	880.285	5	1035	647605.171	530022.647	835.541	12
373	647017.251	530237.181	880.796	24	1036	647611.218	530020.415	834.815	12
374	647023.921	530236.773	880.393	28	1037	647616.396	530015.634	835.000	28
375	647027.354	530241.888	879.768	12	1038	647621.118	530012.317	835.484	7
376	647028.831	530240.994	879.664	34	1039	647624.250	530011.785	835.313	24
377	647033.873	530239.797	879.291	34	1040	647624.415	530012.715	834.859	18
378	647033.735	530239.356	879.271	18	1041	647625.506	530013.857	833.565	18
379	647033.516	530238.903	879.192	3	1042	647625.127	530014.508	833.428	20
380	647033.276	530237.506	879.173	3	1043	647625.210	530015.097	833.504	20
381	647032.986	530236.298	879.087	3	1044	647625.100	530015.109	833.546	5
382	647032.784	530235.352	879.157	5	1045	647624.702	530014.591	833.354	5
383	647032.730	530234.924	878.909	6	1046	647624.849	530014.883	832.991	6
384	647032.617	530234.551	879.335	5	1047	647625.253	530015.817	833.565	18
385	647032.312	530233.946	879.781	24	1048	647624.992	530016.814	833.556	3
386	647031.782	530234.247	879.825	28	1049	647625.043	530018.605	833.621	3
387	647039.685	530238.001	878.988	24	1050	647625.440	530020.892	833.642	3
388	647040.656	530238.499	878.869	18	1051	647625.850	530022.443	833.680	34
389	647040.989	530242.221	878.452	24	1052	647631.984	530021.057	833.279	34
390	647046.525	530240.142	878.201	24	1053	647633.937	530021.025	833.964	7
391	647049.955	530238.960	877.960	14	1054	647626.538	530012.174	833.692	18
392	647049.673	530237.294	877.981	18	1055	647626.091	530010.189	833.946	18
393	647055.071	530237.560	877.900	14	1056	647625.865	530009.252	834.205	34
394	647054.568	530234.158	877.872	24	1057	647629.839	530008.202	834.069	34
395	647053.989	530234.679	877.853	18	1058	647629.723	530008.608	833.950	18
396	647049.531	530235.201	878.035	18	1059	647630.630	530010.138	833.676	18
397	647049.259	530234.501	878.030	3	1060	647631.904	530009.867	834.238	24
398	647049.152	530233.434	878.017	3	1061	647632.977	530010.678	834.068	1
399	647048.711	530231.896	878.041	3	1062	647633.027	530010.797	834.134	18
400	647048.380	530230.929	878.121	20	1063	647633.174	530012.318	832.949	18
401	647048.243	530230.862	878.035	5	1064	647633.578	530013.073	832.544	20
402	647048.067	530230.560	877.862	6	1065	647633.781	530012.994	832.398	5
403	647047.894	530230.262	878.061	5	1066	647633.925	530013.340	831.853	6
404	647048.228	530230.075	878.338	20	1067	647633.939	530013.616	832.338	5
405	647048.436	530228.724	878.342	34	1068	647633.814	530013.711	832.539	20



406	647048.264	530228.706	878.492	2	1069	647635.834	530011.237	832.887	28
407	647052.518	530227.444	878.071	34	1070	647633.858	530013.835	832.591	18
408	647053.345	530228.592	877.935	20	1071	647634.803	530015.492	832.490	3
409	647053.484	530228.484	877.791	5	1072	647635.481	530017.177	832.490	3
410	647053.714	530228.773	877.476	6	1073	647636.004	530019.136	832.672	3
411	647053.792	530229.073	877.688	5	1074	647636.120	530019.595	833.051	18
412	647053.398	530229.233	877.832	20	1075	647636.303	530020.254	833.399	24
413	647060.029	530224.620	877.642	24	1076	647642.810	530012.518	831.948	20
414	647060.218	530225.209	877.473	5	1077	647642.582	530012.634	831.949	5
415	647060.390	530225.860	877.040	6	1078	647642.507	530012.308	831.129	6
416	647060.657	530226.465	877.267	5	1079	647642.564	530011.897	831.748	5
417	647060.969	530227.459	877.324	3	1080	647642.753	530011.903	831.907	20
418	647061.460	530229.010	877.323	3	1081	647643.154	530011.375	832.282	18
419	647061.961	530230.245	877.339	3	1082	647643.140	530010.361	832.619	18
420	647062.275	530231.188	877.302	24	1083	647641.576	530009.482	833.373	12
421	647074.359	530226.995	876.511	34	1084	647641.622	530007.645	833.909	24
422	647078.407	530225.484	876.255	34	1085	647642.414	530007.273	833.004	7
423	647078.255	530225.151	876.258	18	1086	647642.769	530007.631	832.839	18
424	647077.919	530224.685	876.297	3	1087	647643.537	530006.862	832.715	3
425	647077.519	530223.267	876.293	3	1088	647644.822	530006.471	832.612	3
426	647076.863	530221.403	876.364	3	1089	647646.628	530005.886	832.616	3
427	647076.431	530220.167	876.395	20	1090	647647.191	530005.756	832.685	18
428	647075.965	530219.987	876.256	6	1091	647648.925	530005.001	833.003	18
429	647076.350	530220.272	876.386	5	1092	647644.620	529994.857	833.644	18
430	647076.000	530219.673	876.396	5	1093	647642.752	529995.717	833.794	18
431	647075.399	530219.679	876.493	12	1094	647642.011	529996.130	833.821	3
432	647076.223	530218.521	876.569	34	1095	647640.657	529996.778	833.847	3
433	647081.296	530216.623	876.315	34	1096	647639.681	529997.305	833.883	3
434	647085.470	530222.965	875.653	7	1097	647638.494	529998.126	834.116	18
435	647088.741	530221.860	875.433	24	1098	647637.538	529998.729	834.754	24
436	647088.796	530222.112	875.486	2	1099	647644.087	530008.940	832.301	3
437	647089.803	530221.458	875.367	34	1100	647644.234	530011.144	832.052	3
438	647090.965	530220.989	875.332	34	1101	647643.973	530012.786	831.823	3
439	647089.049	530220.522	875.441	3	1102	647642.888	530014.018	831.868	3
440	647088.575	530219.493	875.419	3	1103	647643.044	530015.711	831.880	3
441	647087.931	530217.907	875.414	3	1104	647643.658	530018.194	832.023	3
442	647087.629	530217.663	875.434	18	1105	647643.807	530019.012	832.493	24
443	647086.499	530215.869	875.968	20	1106	647648.574	530017.483	831.458	3
444	647086.787	530215.678	875.557	6	1107	647648.321	530015.911	831.387	3
445	647086.963	530215.970	875.639	5	1108	647647.785	530013.883	831.394	3
446	647086.647	530215.761	875.709	5	1109	647646.445	530010.586	832.016	3
447	647086.168	530215.110	875.702	24	1110	647648.059	530009.092	831.974	3
448	647100.273	530217.652	874.510	24	1111	647649.107	530008.803	832.089	18
449	647100.392	530217.790	874.577	2	1112	647650.212	530008.122	831.912	28
450	647106.971	530215.230	873.970	34	1113	647649.780	530009.542	831.696	18
451	647106.400	530214.240	873.951	3	1114	647649.435	530010.530	831.662	3
452	647106.106	530213.249	873.913	3	1115	647650.224	530011.500	831.412	3
453	647105.400	530211.680	873.897	3	1116	647651.246	530012.004	830.979	3
454	647104.790	530210.439	873.898	5	1117	647650.684	530010.913	831.043	20
455	647104.548	530210.094	873.620	6	1118	647650.552	530010.218	830.976	20
456	647104.264	530209.645	873.972	5	1119	647650.703	530010.182	830.956	5
457	647103.738	530208.443	874.680	24	1120	647650.888	530010.842	831.015	5
458	647104.603	530207.878	874.551	12	1121	647650.922	530010.349	830.228	6
459	647107.186	530206.616	874.507	24	1122	647652.180	530012.240	830.901	3
460	647107.111	530206.687	874.514	2	1123	647653.155	530014.008	830.828	3
461	647107.678	530207.427	874.226	24	1124	647654.068	530015.959	830.905	3
462	647106.980	530209.601	873.823	12	1125	647654.658	530017.301	831.279	24
463	647110.897	530213.822	873.669	34	1126	647654.497	530016.958	830.874	18
464	647110.720	530214.316	873.610	12	1127	647656.523	530016.610	831.180	24
465	647112.406	530213.169	873.570	34	1128	647656.882	530016.952	831.234	2
466	647114.196	530212.399	873.535	34	1129	647657.336	530016.316	831.026	28
467	647115.071	530212.400	873.267	14	1130	647667.303	530012.949	830.157	24
468	647115.101	530211.948	873.172	18	1131	647667.124	530012.427	829.969	18
469	647119.299	530210.669	872.965	18	1132	647666.734	530012.111	829.438	3
470	647119.810	530211.409	872.888	14	1133	647666.378	530010.704	829.286	3
471	647122.096	530210.905	872.679	34	1134	647665.507	530008.813	829.249	3
472	647125.647	530209.490	872.374	34	1135	647665.136	530007.876	829.351	18
473	647127.311	530209.714	872.225	7	1136	647664.869	530007.402	829.459	5
474	647122.749	530209.636	872.846	18	1137	647664.637	530006.299	829.236	6
475	647122.593	530208.923	872.896	3	1138	647664.526	530005.783	829.623	5
476	647122.073	530207.708	872.862	3	1139	647664.410	530005.255	829.758	18
477	647121.555	530206.194	872.780	3	1140	647663.815	530005.565	829.757	28
478	647121.084	530204.927	872.928	18	1141	647664.449	530004.597	830.265	18
479	647120.921	530204.166	872.982	20	1142	647672.182	530004.244	828.792	28
480	647120.585	530204.151	872.689	6	1143	647678.645	530007.455	828.772	28
481	647120.874	530204.415	872.929	5	1144	647680.016	530007.334	828.790	24
482	647120.808	530203.976	872.957	5	1145	647679.746	530006.676	828.210	18
483	647120.583	530203.209	872.954	24	1146	647679.379	530006.399	828.048	3
484	647122.077	530202.699	873.134	34	1147	647678.967	530005.737	827.995	3
485	647122.381	530202.419	872.923	2	1148	647678.081	530004.144	827.892	3
486	647127.482	530200.810	872.823	34	1149	647677.957	530003.757	827.906	18
487	647127.056	530201.948	872.710	18	1150	647677.394	530002.581	827.911	20
488	647128.182	530201.923	872.042	20	1151	647677.074	530002.651	827.887	5
489	647128.369	530201.816	871.823	6	1152	647676.886	530002.241	827.474	6
490	647128.178	530201.683	872.166	5	1153	647676.538	530001.973	827.981	5
491	647128.542	530202.045	872.025	5	1154	647676.932	530001.769	828.053	20

492	647128.354	530202.804	872.179	18	1155	647677.055	530001.322	828.228	12
493	647128.932	530202.873	872.130	3	1156	647676.065	530000.772	828.493	18
494	647129.589	530204.231	872.201	3	1157	647674.898	529999.782	829.167	28
495	647130.183	530205.578	872.238	3	1158	647675.498	529999.828	828.969	18
496	647130.609	530206.169	872.210	18	1159	647675.752	529999.686	829.148	18
497	647130.990	530206.739	872.161	14	1160	647682.262	529993.922	829.043	18
498	647134.827	530206.263	871.918	14	1161	647683.042	529995.027	828.515	18
499	647135.503	530205.581	871.866	34	1162	647683.742	529996.308	827.630	18
500	647135.115	530205.754	871.901	2	1163	647684.794	529995.572	827.482	12
501	647139.145	530204.180	871.712	34	1164	647684.527	529997.071	827.300	20
502	647149.389	530200.764	871.167	24	1165	647684.940	529998.000	827.210	20
503	647148.859	530199.982	870.893	3	1166	647685.115	529997.891	827.076	5
504	647148.573	530199.232	870.829	3	1167	647684.868	529997.293	826.973	5
505	647148.101	530197.396	870.785	3	1168	647685.003	529997.446	826.695	6
506	647148.117	530197.078	870.839	12	1169	647685.975	529999.399	827.150	3
507	647147.867	530196.628	870.822	5	1170	647687.493	529997.954	826.848	12
508	647147.621	530195.867	870.404	6	1171	647686.384	530000.485	827.076	3
509	647147.642	530195.812	870.779	5	1172	647687.479	530002.294	827.132	3
510	647147.062	530194.515	871.589	24	1173	647687.695	530002.644	827.368	18
511	647152.302	530199.679	870.974	24	1174	647688.257	530003.769	827.991	24
512	647152.410	530199.889	871.055	2	1175	647688.248	530002.208	827.857	28
513	647168.958	530193.953	869.967	24	1176	647690.313	529991.634	827.406	24
514	647168.380	530192.914	869.698	3	1177	647694.337	529992.492	826.856	28
515	647168.060	530191.771	869.640	3	1178	647699.307	529991.279	826.600	24
516	647167.722	530190.815	869.601	3	1179	647699.397	529990.898	826.642	2
517	647167.065	530189.293	869.656	20	1180	647699.498	529992.066	825.880	5
518	647166.754	530188.901	869.323	6	1181	647699.606	529992.349	825.416	6
519	647166.850	530189.210	869.524	5	1182	647699.981	529993.060	825.822	5
520	647166.740	530188.703	869.600	5	1183	647700.127	529993.538	826.023	18
521	647166.858	530187.763	869.894	34	1184	647700.397	529994.345	826.041	3
522	647168.414	530187.430	869.775	34	1185	647700.580	529995.113	826.007	3
523	647168.641	530188.129	869.528	20	1186	647701.398	529996.821	826.032	3
524	647168.958	530188.129	869.029	6	1187	647702.113	529997.975	826.837	24
525	647168.670	530187.951	869.430	5	1188	647701.042	529997.752	826.858	28
526	647168.889	530188.444	869.416	5	1189	647702.681	529997.120	826.490	28
527	647173.203	530192.535	869.459	7	1190	647710.232	529994.138	825.568	28
528	647183.405	530188.691	868.824	24	1191	647716.653	529993.294	824.919	28
529	647182.989	530187.926	868.694	3	1192	647718.046	529993.206	824.969	24
530	647182.627	530186.712	868.638	3	1193	647717.840	529992.549	824.502	18
531	647182.115	530185.260	868.595	3	1194	647717.455	529992.145	824.358	3
532	647181.837	530184.611	868.492	5	1195	647717.314	529990.786	823.984	3
533	647181.798	530184.099	868.276	6	1196	647716.770	529989.237	823.975	3
534	647181.629	530183.682	868.605	5	1197	647716.722	529988.934	824.000	18
535	647181.231	530182.317	869.247	24	1198	647716.148	529987.328	823.939	20
536	647189.376	530180.753	868.265	20	1199	647715.843	529987.374	823.797	5
537	647189.372	530181.095	868.226	5	1200	647715.628	529986.843	823.445	6
538	647189.238	530180.840	867.734	6	1201	647715.562	529986.634	823.922	5
539	647189.157	530180.539	868.185	5	1202	647715.603	529986.496	824.150	20
540	647189.292	530180.346	868.474	18	1203	647714.931	529986.213	824.108	28
541	647194.045	530177.236	868.511	24	1204	647714.853	529985.057	824.510	34
542	647194.011	530178.205	868.249	18	1205	647719.297	529983.544	823.985	34
543	647194.469	530178.310	867.864	20	1206	647719.781	529984.222	823.728	18
544	647194.877	530178.344	867.439	6	1207	647720.202	529984.653	823.422	20
545	647194.634	530178.063	867.830	5	1208	647720.195	529984.686	823.491	5
546	647194.921	530178.685	867.704	5	1209	647720.448	529984.971	823.029	6
547	647194.877	530179.097	867.800	18	1210	647720.720	529985.345	823.282	5
548	647195.632	530179.782	867.761	3	1211	647720.436	529985.386	823.559	20
549	647196.461	530181.193	867.781	3	1212	647733.825	529987.479	823.162	24
550	647197.030	530182.203	867.838	3	1213	647733.428	529986.602	822.944	18
551	647197.829	530183.624	867.920	34	1214	647733.187	529986.199	822.311	3
552	647193.486	530185.215	868.117	34	1215	647732.525	529985.033	822.256	3
553	647207.909	530178.543	867.388	24	1216	647731.853	529983.444	822.231	3
554	647212.555	530176.316	867.175	24	1217	647731.521	529982.422	822.135	5
555	647212.159	530175.769	867.096	3	1218	647731.385	529981.696	821.668	6
556	647211.649	530175.012	867.046	3	1219	647731.106	529981.187	821.864	5
557	647210.954	530173.454	866.951	3	1220	647730.621	529979.906	822.953	24
558	647210.595	530172.790	866.990	5	1221	647732.153	529979.997	822.390	28
559	647210.242	530172.119	866.757	6	1222	647743.445	529983.647	821.905	34
560	647209.917	530171.461	866.996	5	1223	647743.485	529983.075	821.680	18
561	647209.334	530170.371	867.731	24	1224	647749.957	529979.936	820.911	18
562	647215.001	530170.867	866.941	12	1225	647750.360	529980.410	821.279	34
563	647220.631	530172.129	866.693	34	1226	647749.894	529979.353	820.748	3
564	647226.635	530168.816	866.300	34	1227	647749.464	529978.487	820.651	3
565	647234.223	530164.734	865.894	24	1228	647748.690	529976.794	820.610	3
566	647233.801	530164.077	865.920	3	1229	647748.195	529975.578	820.520	5
567	647233.296	530163.231	865.902	3	1230	647747.815	529974.460	820.164	6
568	647232.685	530162.144	865.994	3	1231	647747.678	529974.192	820.373	5
569	647232.207	530160.753	866.069	18	1232	647747.179	529973.439	820.784	24
570	647231.524	530160.057	866.013	20	1233	647747.423	529973.511	820.958	28
571	647231.000	530160.017	865.436	6	1234	647756.304	529972.606	819.708	12
572	647231.321	530160.198	865.813	5	1235	647761.334	529970.130	819.470	28
573	647230.956	530159.826	865.852	5	1236	647762.804	529968.004	819.385	24
574	647231.111	530159.112	866.436	18	1237	647762.762	529967.425	819.296	2
575	647229.910	530159.290	866.770	24	1238	647765.343	529965.732	819.370	18
576	647229.664	530158.767	867.057	7	1239	647765.441	529964.940	819.476	34
577	647228.602	530157.182	867.061	24	1240	647766.454	529965.598	819.409	18

578	647228.223	530156.939	867.021	2	1241	647766.512	529967.180	818.889	20
579	647229.629	530156.382	866.942	34	1242	647766.353	529967.272	818.802	5
580	647230.463	530157.347	866.770	18	1243	647766.728	529967.911	818.663	5
581	647234.365	530153.770	866.732	34	1244	647766.897	529967.954	818.690	20
582	647236.989	530153.979	866.412	24	1245	647766.442	529967.647	818.298	6
583	647238.818	530153.534	866.168	24	1246	647767.580	529967.904	818.877	18
584	647238.931	530153.903	866.009	18	1247	647767.773	529968.940	818.860	3
585	647239.455	530155.043	865.395	20	1248	647768.218	529970.642	818.929	3
586	647239.651	530154.675	865.111	6	1249	647768.880	529972.255	819.042	3
587	647239.459	530154.601	865.418	5	1250	647769.453	529973.424	819.645	24
588	647240.217	530155.574	865.228	5	1251	647775.343	529971.157	819.184	24
589	647240.002	530155.691	865.531	18	1252	647775.320	529971.124	819.187	2
590	647240.775	530156.355	865.375	3	1253	647771.398	529965.302	818.669	20
591	647241.472	530157.464	865.291	3	1254	647771.760	529965.035	818.191	5
592	647242.664	530158.972	865.260	3	1255	647771.640	529964.705	817.933	6
593	647243.270	530159.633	865.322	24	1256	647771.415	529964.050	817.771	5
594	647243.517	530160.122	865.319	2	1257	647771.174	529964.187	818.179	20
595	647244.189	530159.845	865.353	7	1258	647770.372	529964.004	818.606	18
596	647249.333	530148.340	865.278	12	1259	647769.764	529962.788	818.932	34
597	647250.710	530147.488	865.316	24	1260	647771.463	529962.027	818.860	28
598	647250.940	530147.348	865.405	2	1261	647772.971	529959.954	818.756	12
599	647255.797	530144.762	864.805	36	1262	647776.167	529958.402	818.421	24
600	647256.470	530145.868	864.413	20	1263	647778.851	529957.530	817.941	34
601	647256.133	530146.658	863.838	6	1264	647779.193	529957.910	817.926	18
602	647256.101	530146.347	864.230	5	1265	647779.455	529959.753	817.544	20
603	647256.400	530147.020	864.219	5	1266	647778.897	529959.884	817.231	5
604	647256.819	530147.587	864.225	3	1267	647778.789	529960.142	816.454	6
605	647257.304	530149.169	864.151	3	1268	647779.085	529960.477	816.931	5
606	647257.786	530150.541	864.144	3	1269	647779.605	529960.427	817.203	20
607	647258.344	530151.821	864.141	18	1270	647780.334	529961.525	817.367	18
608	647257.546	530152.494	864.275	34	1271	647780.852	529963.442	817.374	3
609	647262.038	530152.403	863.727	34	1272	647781.403	529965.129	817.308	3
610	647263.546	530152.268	863.655	14	1273	647782.109	529966.816	817.319	3
611	647267.259	530150.589	863.666	14	1274	647782.258	529967.382	817.544	18
612	647266.833	530148.914	863.672	34	1275	647782.759	529968.637	818.040	24
613	647266.924	530149.209	863.804	2	1276	647782.712	529956.482	817.787	34
614	647266.354	530148.431	863.691	18	1277	647785.141	529955.931	817.663	24
615	647261.895	530142.082	864.543	34	1278	647785.634	529956.353	817.497	18
616	647262.881	530141.508	864.560	1	1279	647786.134	529957.633	816.924	20
617	647263.309	530141.299	864.585	12	1280	647786.538	529957.709	816.461	5
618	647263.083	530143.412	863.846	20	1281	647786.704	529958.070	815.934	6
619	647263.260	530143.385	863.272	6	1282	647787.015	529958.477	816.245	5
620	647262.983	530143.281	863.736	5	1283	647786.586	529958.611	816.637	20
621	647263.415	530143.812	863.665	5	1284	647786.563	529959.774	816.747	18
622	647271.836	530145.951	863.272	34	1285	647788.797	529956.984	816.374	28
623	647271.361	530145.261	863.245	3	1286	647793.733	529954.035	816.316	28
624	647271.008	530144.734	863.215	3	1287	647792.890	529954.164	816.665	24
625	647270.107	530142.992	863.211	3	1288	647793.123	529955.182	815.978	5
626	647269.454	530142.184	863.293	5	1289	647793.338	529955.825	815.611	6
627	647268.908	530141.734	863.014	6	1290	647793.470	529956.333	815.912	5
628	647268.562	530141.321	863.378	5	1291	647793.708	529956.887	816.084	18
629	647267.606	530139.919	864.122	24	1292	647794.707	529959.005	816.012	3
630	647269.987	530138.696	863.789	24	1293	647795.198	529960.882	816.008	3
631	647270.023	530138.767	863.802	2	1294	647796.014	529963.131	816.158	3
632	647281.261	530137.849	862.147	12	1295	647796.175	529964.032	816.390	18
633	647286.052	530140.094	862.011	24	1296	647796.378	529964.934	816.698	24
634	647287.344	530139.301	861.790	18	1297	647800.601	529953.209	816.086	12
635	647288.395	530139.852	861.769	14	1298	647800.185	529951.922	816.487	7
636	647287.819	530138.625	861.735	3	1299	647801.350	529951.832	816.065	24
637	647287.575	530137.596	861.736	3	1300	647801.513	529951.708	816.180	2
638	647287.141	530136.201	861.710	3	1301	647809.673	529947.611	815.086	18
639	647287.121	530135.553	861.829	18	1302	647810.262	529950.711	815.213	18
640	647286.922	530134.358	861.881	20	1303	647810.420	529952.475	814.556	5
641	647286.748	530134.297	861.777	5	1304	647810.442	529952.355	814.216	6
642	647286.549	530133.951	861.409	6	1305	647810.633	529953.098	814.629	5
643	647286.500	530133.702	861.814	5	1306	647811.013	529953.891	814.718	18
644	647286.649	530133.536	861.847	20	1307	647811.466	529955.980	814.623	3
645	647286.829	530133.231	862.005	18	1308	647811.639	529957.061	814.663	3
646	647285.772	530131.992	862.761	24	1309	647812.224	529959.101	814.686	3
647	647287.712	530131.312	862.099	34	1310	647812.385	529959.893	814.920	18
648	647291.968	530130.651	862.218	34	1311	647812.762	529961.146	814.904	24
649	647292.160	530131.268	861.889	18	1312	647813.054	529960.221	814.879	28
650	647292.663	530131.983	861.680	20	1313	647815.191	529955.383	814.240	12

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