



FINAL REPORT

An Integrated Dynamic Modeling Approach for Flooding of Coastal Transportation Infrastructure: Assessment of Impacts on Emergency Operations

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Appendix A

Table 7: Base Scenario - Zone-Station Combinations within Threshold

St. Station

T1 Station to Zone Travel Time (min)

T2 Zone to Trauma Center Travel Time (min)

T Total Travel Time =T1+T2

St.	Station Type	Zone	T1 (min)	T2	T	St.	Station Type	Zone	T1 (min)	T2 (min)	T
1	Potential	1	9.503	11.813	21.316	21	Potential	33	31.895	11.715	43.610
2	Potential	1	1.300	11.813	13.113	22	Potential	33	21.757	11.715	33.472
3	Potential	1	13.769	11.813	25.582	23	Potential	33	11.140	11.715	22.855
4	Potential	1	11.606	11.813	23.419	24	Potential	33	19.869	11.715	31.584
5	Potential	1	13.022	11.813	24.835	25	Potential	33	13.742	11.715	25.457
6	Potential	1	16.554	11.813	28.367	26	Potential	33	19.856	11.715	31.572
7	Potential	1	12.368	11.813	24.181	27	Potential	33	24.992	11.715	36.708
8	Potential	1	5.349	11.813	17.163	28	Potential	33	15.571	11.715	27.286
9	Potential	1	16.771	11.813	28.585	29	Potential	33	22.323	11.715	34.038
10	Potential	1	17.571	11.813	29.384	30	Potential	33	20.849	11.715	32.564
11	Potential	1	22.807	11.813	34.620	31	Potential	33	27.475	11.715	39.190
12	Potential	1	20.610	11.813	32.424	32	Potential	33	21.262	11.715	32.977
13	Potential	1	17.221	11.813	29.034	33	Potential	33	17.547	11.715	29.263
14	Potential	1	10.295	11.813	22.108	43	Potential	33	19.098	11.715	30.813
15	Potential	1	7.964	11.813	19.777	44	Potential	33	16.472	11.715	28.188
16	Potential	1	15.526	11.813	27.340	45	Potential	33	14.099	11.715	25.815
17	Potential	1	18.015	11.813	29.828	46	Potential	33	17.034	11.715	28.749
18	Potential	1	15.620	11.813	27.433	47	Potential	33	25.558	11.715	37.274
19	Potential	1	13.541	11.813	25.354	48	Potential	33	21.237	11.715	32.952
20	Potential	1	11.878	11.813	23.691	49	Potential	33	21.061	11.715	32.776
21	Potential	1	24.228	11.813	36.041	50	Potential	33	23.498	11.715	35.213
22	Potential	1	8.989	11.813	20.803	51	Current	33	10.236	11.715	21.951
23	Potential	1	11.461	11.813	23.274	52	Current	33	13.768	11.715	25.483
24	Potential	1	16.944	11.813	28.758	53	Current	33	10.511	11.715	22.226
25	Potential	1	7.587	11.813	19.400	54	Current	33	16.233	11.715	27.949
26	Potential	1	7.410	11.813	19.223	55	Current	33	22.953	11.715	34.668
27	Potential	1	17.325	11.813	29.138	56	Current	33	22.839	11.715	34.554
28	Potential	1	10.602	11.813	22.415	57	Current	33	29.565	11.715	41.281
29	Potential	1	9.556	11.813	21.369	58	Current	33	21.858	11.715	33.573
30	Potential	1	16.950	11.813	28.763	59	Current	33	18.975	11.715	30.691
31	Potential	1	19.808	11.813	31.621	60	Current	33	20.173	11.715	31.888
32	Potential	1	13.559	11.813	25.372	61	Current	33	21.083	11.715	32.798
33	Potential	1	9.880	11.813	21.693	62	Current	33	21.786	11.715	33.501
39	Potential	1	32.060	11.813	43.873	63	Current	33	28.613	11.715	40.328
40	Potential	1	30.489	11.813	42.302	64	Current	33	15.141	11.715	26.856
43	Potential	1	25.448	11.813	37.262	65	Current	33	20.300	11.715	32.015
44	Potential	1	22.823	11.813	34.636	71	Current	33	14.287	11.715	26.002
45	Potential	1	20.450	11.813	32.263	72	Current	33	13.334	11.715	25.049
46	Potential	1	22.714	11.813	34.527	73	Current	33	14.032	11.715	25.748
47	Potential	1	31.238	11.813	43.052	74	Current	33	14.056	11.715	25.771

48	Potential	1	26.917	11.813	38.730	75	Current	33	11.843	11.715	23.558
49	Potential	1	26.741	11.813	38.554	77	Current	33	6.036	11.715	17.751
50	Potential	1	29.178	11.813	40.991	78	Current	33	8.320	11.715	20.035
51	Current	1	4.659	11.813	16.472	79	Current	33	10.462	11.715	22.177
52	Current	1	6.101	11.813	17.914	80	Current	33	3.252	11.715	14.968
53	Current	1	10.922	11.813	22.735	81	Current	33	8.383	11.715	20.098
54	Current	1	11.264	11.813	23.077	82	Current	33	6.588	11.715	18.303
55	Current	1	15.604	11.813	27.417	83	Current	33	9.849	11.715	21.565
56	Current	1	18.940	11.813	30.753	84	Current	33	11.834	11.715	23.549
57	Current	1	21.898	11.813	33.711	85	Current	33	19.339	11.715	31.055
58	Current	1	9.091	11.813	20.904	86	Current	33	15.653	11.715	27.369
59	Current	1	6.538	11.813	18.351	87	Current	33	17.214	11.715	28.929
60	Current	1	11.179	11.813	22.992	88	Current	33	18.871	11.715	30.586
61	Current	1	13.445	11.813	25.259	89	Current	33	15.195	11.715	26.910
62	Current	1	16.333	11.813	28.146	91	Current	33	34.058	11.715	45.774
63	Current	1	20.945	11.813	32.758	92	Current	33	34.524	11.715	46.240
64	Current	1	13.057	11.813	24.871	93	Current	33	34.430	11.715	46.145
65	Current	1	12.633	11.813	24.446	94	Current	33	22.935	11.715	34.650
68	Current	1	33.590	11.813	45.403	95	Current	33	32.500	11.715	44.215
70	Current	1	34.475	11.813	46.288	99	Current	33	28.589	11.715	40.304
71	Current	1	19.925	11.813	31.738	100	Current	33	15.957	11.715	27.672
72	Current	1	20.534	11.813	32.348	101	Current	33	12.145	11.715	23.860
73	Current	1	20.847	11.813	32.661	102	Current	33	14.111	11.715	25.826
74	Current	1	17.950	11.813	29.763	103	Current	33	21.524	11.715	33.240
75	Current	1	15.439	11.813	27.252	105	Current	33	20.022	11.715	31.738
77	Current	1	12.834	11.813	24.647	106	Current	33	12.128	11.715	23.844
78	Current	1	10.149	11.813	21.962	108	Current	33	21.786	11.715	33.501
79	Current	1	10.986	11.813	22.799	109	Current	33	11.567	11.715	23.283
80	Current	1	12.085	11.813	23.899	110	Current	33	14.727	11.715	26.442
81	Current	1	8.149	11.813	19.962	112	Current	33	16.983	11.715	28.699
82	Current	1	13.082	11.813	24.895	113	Current	33	15.302	11.715	27.018
83	Current	1	5.937	11.813	17.750	114	Current	33	24.819	11.715	36.534
84	Current	1	3.077	11.813	14.890	115	Current	33	18.933	11.715	30.648
85	Current	1	14.017	11.813	25.830	1	Potential	34	20.307	13.963	34.269
86	Current	1	7.551	11.813	19.364	2	Potential	34	16.525	13.963	30.487
87	Current	1	9.775	11.813	21.589	3	Potential	34	20.408	13.963	34.371
88	Current	1	11.234	11.813	23.047	4	Potential	34	6.665	13.963	20.627
89	Current	1	5.379	11.813	17.192	5	Potential	34	5.266	13.963	19.228
91	Current	1	26.923	11.813	38.736	6	Potential	34	4.988	13.963	18.950
92	Current	1	27.389	11.813	39.202	7	Potential	34	8.452	13.963	22.414
93	Current	1	27.294	11.813	39.107	8	Potential	34	14.226	13.963	28.189
94	Current	1	17.612	11.813	29.426	9	Potential	34	5.873	13.963	19.836
95	Current	1	25.364	11.813	37.178	10	Potential	34	0.991	13.963	14.954
98	Current	1	30.696	11.813	42.509	11	Potential	34	9.275	13.963	23.237
99	Current	1	22.276	11.813	34.090	12	Potential	34	5.703	13.963	19.666
100	Current	1	22.307	11.813	34.121	13	Potential	34	0.705	13.963	14.667
101	Current	1	20.387	11.813	32.200	14	Potential	34	8.254	13.963	22.217
102	Current	1	20.462	11.813	32.275	15	Potential	34	10.459	13.963	24.422
103	Current	1	24.159	11.813	35.973	16	Potential	34	3.511	13.963	17.474
105	Current	1	25.702	11.813	37.516	17	Potential	34	1.435	13.963	15.398
106	Current	1	17.097	11.813	28.910	18	Potential	34	22.258	13.963	36.221
107	Current	1	32.399	11.813	44.212	19	Potential	34	20.618	13.963	34.581
108	Current	1	27.466	11.813	39.279	20	Potential	34	22.340	13.963	36.303
109	Current	1	18.293	11.813	30.106	21	Potential	34	30.677	13.963	44.639

110	Current	1	20.407	11.813	32.220	22	Potential	34	19.708	13.963	33.670
112	Current	1	19.618	11.813	31.432	23	Potential	34	10.484	13.963	24.447
113	Current	1	17.309	11.813	29.122	24	Potential	34	18.465	13.963	32.428
114	Current	1	27.454	11.813	39.267	25	Potential	34	14.084	13.963	28.047
115	Current	1	25.284	11.813	37.097	26	Potential	34	21.488	13.963	35.451
1	Potential	2	1.279	14.353	15.632	27	Potential	34	23.774	13.963	37.737
2	Potential	2	8.803	14.353	23.156	28	Potential	34	14.040	13.963	28.003
3	Potential	2	12.476	14.353	26.830	29	Potential	34	20.274	13.963	34.237
4	Potential	2	15.089	14.353	29.442	30	Potential	34	19.445	13.963	33.407
5	Potential	2	16.505	14.353	30.858	31	Potential	34	26.257	13.963	40.219
6	Potential	2	20.037	14.353	34.390	32	Potential	34	24.627	13.963	38.589
7	Potential	2	15.851	14.353	30.204	33	Potential	34	16.576	13.963	30.538
8	Potential	2	9.292	14.353	23.645	43	Potential	34	13.433	13.963	27.396
9	Potential	2	20.254	14.353	34.607	44	Potential	34	10.808	13.963	24.771
10	Potential	2	21.053	14.353	35.407	45	Potential	34	8.435	13.963	22.397
11	Potential	2	26.289	14.353	40.643	46	Potential	34	15.129	13.963	29.092
12	Potential	2	24.093	14.353	38.446	47	Potential	34	21.873	13.963	35.836
13	Potential	2	20.703	14.353	35.057	48	Potential	34	19.332	13.963	33.295
14	Potential	2	13.777	14.353	28.131	49	Potential	34	17.938	13.963	31.900
15	Potential	2	11.447	14.353	25.800	50	Potential	34	21.593	13.963	35.556
16	Potential	2	19.009	14.353	33.362	51	Current	34	13.832	13.963	27.795
17	Potential	2	21.497	14.353	35.851	52	Current	34	15.623	13.963	29.586
18	Potential	2	9.928	14.353	24.281	53	Current	34	9.855	13.963	23.817
19	Potential	2	15.444	14.353	29.798	54	Current	34	14.702	13.963	28.665
20	Potential	2	5.658	14.353	20.012	55	Current	34	21.422	13.963	35.385
21	Potential	2	30.257	14.353	44.610	56	Current	34	21.435	13.963	35.398
22	Potential	2	10.202	14.353	24.556	57	Current	34	28.347	13.963	42.310
23	Potential	2	17.696	14.353	32.050	58	Current	34	19.809	13.963	33.771
24	Potential	2	22.973	14.353	37.327	59	Current	34	20.730	13.963	34.692
25	Potential	2	14.694	14.353	29.048	60	Current	34	23.538	13.963	37.500
26	Potential	2	10.015	14.353	24.368	61	Current	34	24.448	13.963	38.410
27	Potential	2	23.354	14.353	37.707	62	Current	34	23.102	13.963	37.064
28	Potential	2	15.462	14.353	29.815	63	Current	34	28.023	13.963	41.985
29	Potential	2	10.769	14.353	25.122	64	Current	34	13.743	13.963	27.706
30	Potential	2	22.979	14.353	37.332	65	Current	34	19.710	13.963	33.672
31	Potential	2	25.837	14.353	40.190	71	Current	34	8.358	13.963	22.321
32	Potential	2	6.352	14.353	20.706	72	Current	34	6.375	13.963	20.337
33	Potential	2	15.909	14.353	30.263	73	Current	34	5.940	13.963	19.903
38	Potential	2	28.868	14.353	43.221	74	Current	34	8.127	13.963	22.090
39	Potential	2	24.854	14.353	39.207	75	Current	34	6.116	13.963	20.079
40	Potential	2	23.283	14.353	37.636	77	Current	34	4.981	13.963	18.944
43	Potential	2	28.931	14.353	43.284	78	Current	34	8.234	13.963	22.196
44	Potential	2	26.306	14.353	40.659	79	Current	34	12.265	13.963	26.228
45	Potential	2	23.932	14.353	38.286	80	Current	34	5.919	13.963	19.881
46	Potential	2	26.196	14.353	40.550	81	Current	34	10.298	13.963	24.261
48	Potential	2	30.399	14.353	44.753	82	Current	34	6.006	13.963	19.968
49	Potential	2	30.224	14.353	44.577	83	Current	34	13.446	13.963	27.408
51	Current	2	12.058	14.353	26.411	84	Current	34	15.199	13.963	29.161
52	Current	2	13.410	14.353	27.764	85	Current	34	20.656	13.963	34.618
53	Current	2	17.533	14.353	31.887	86	Current	34	17.026	13.963	30.989
54	Current	2	16.124	14.353	30.477	87	Current	34	20.579	13.963	34.541
55	Current	2	21.633	14.353	35.987	88	Current	34	22.236	13.963	36.199
56	Current	2	24.969	14.353	39.323	89	Current	34	18.560	13.963	32.523
57	Current	2	27.927	14.353	42.280	94	Current	34	24.251	13.963	38.214

58	Current	2	10.304	14.353	24.657	99	Current	34	29.905	13.963	43.868
59	Current	2	9.134	14.353	23.487	100	Current	34	10.292	13.963	24.255
60	Current	2	5.577	14.353	19.931	101	Current	34	8.592	13.963	22.555
61	Current	2	4.366	14.353	18.719	102	Current	34	8.447	13.963	22.409
62	Current	2	7.684	14.353	22.038	103	Current	34	19.620	13.963	33.582
63	Current	2	22.283	14.353	36.636	105	Current	34	18.118	13.963	32.080
64	Current	2	17.917	14.353	32.271	106	Current	34	10.224	13.963	24.187
65	Current	2	15.421	14.353	29.774	108	Current	34	19.881	13.963	33.844
68	Current	2	26.383	14.353	40.737	109	Current	34	10.708	13.963	24.671
70	Current	2	27.269	14.353	41.622	110	Current	34	12.822	13.963	26.785
71	Current	2	23.407	14.353	37.761	112	Current	34	15.079	13.963	29.042
72	Current	2	24.017	14.353	38.370	113	Current	34	13.898	13.963	27.861
73	Current	2	24.330	14.353	38.683	114	Current	34	22.914	13.963	36.877
74	Current	2	19.966	14.353	34.319	115	Current	34	13.269	13.963	27.231
75	Current	2	18.921	14.353	33.275	1	Potential	35	24.473	18.373	42.846
77	Current	2	16.316	14.353	30.670	2	Potential	35	20.691	18.373	39.065
78	Current	2	13.631	14.353	27.985	3	Potential	35	24.801	18.373	43.174
79	Current	2	14.213	14.353	28.566	4	Potential	35	10.622	18.373	28.995
80	Current	2	15.568	14.353	29.921	5	Potential	35	9.659	18.373	28.032
81	Current	2	11.631	14.353	25.985	6	Potential	35	9.381	18.373	27.754
82	Current	2	16.564	14.353	30.918	7	Potential	35	12.845	18.373	31.218
83	Current	2	10.114	14.353	24.468	8	Potential	35	18.162	18.373	36.535
84	Current	2	8.158	14.353	22.512	9	Potential	35	10.266	18.373	28.639
85	Current	2	12.724	14.353	27.077	10	Potential	35	4.590	18.373	22.963
86	Current	2	8.259	14.353	22.613	11	Potential	35	11.028	18.373	29.401
87	Current	2	2.304	14.353	16.658	12	Potential	35	7.456	18.373	25.830
88	Current	2	1.441	14.353	15.795	13	Potential	35	5.201	18.373	23.574
89	Current	2	5.353	14.353	19.707	14	Potential	35	12.647	18.373	31.020
91	Current	2	19.717	14.353	34.070	15	Potential	35	14.852	18.373	33.225
92	Current	2	20.183	14.353	34.536	16	Potential	35	7.090	18.373	25.463
93	Current	2	20.088	14.353	34.442	17	Potential	35	5.178	18.373	23.551
94	Current	2	11.276	14.353	25.630	18	Potential	35	26.652	18.373	45.025
95	Current	2	18.158	14.353	32.512	19	Potential	35	24.196	18.373	42.570
98	Current	2	24.360	14.353	38.714	20	Potential	35	26.507	18.373	44.880
99	Current	2	13.803	14.353	28.156	22	Potential	35	23.286	18.373	41.659
100	Current	2	25.790	14.353	40.143	23	Potential	35	14.441	18.373	32.815
101	Current	2	23.869	14.353	38.223	24	Potential	35	22.043	18.373	40.417
102	Current	2	23.944	14.353	38.298	25	Potential	35	18.041	18.373	36.415
103	Current	2	29.725	14.353	44.078	26	Potential	35	25.446	18.373	43.819
105	Current	2	29.185	14.353	43.538	27	Potential	35	27.353	18.373	45.726
106	Current	2	21.291	14.353	35.645	28	Potential	35	17.618	18.373	35.992
108	Current	2	30.948	14.353	45.302	29	Potential	35	23.852	18.373	42.226
109	Current	2	21.775	14.353	36.129	30	Potential	35	23.023	18.373	41.396
110	Current	2	23.889	14.353	38.243	33	Potential	35	20.154	18.373	38.527
112	Current	2	25.184	14.353	39.537	43	Potential	35	17.012	18.373	35.385
113	Current	2	22.875	14.353	37.228	44	Potential	35	14.386	18.373	32.760
115	Current	2	28.766	14.353	43.120	45	Potential	35	12.013	18.373	30.387
1	Potential	3	16.256	12.950	29.206	46	Potential	35	18.708	18.373	37.081
2	Potential	3	14.874	12.950	27.824	47	Potential	35	25.452	18.373	43.825
3	Potential	3	3.520	12.950	16.470	48	Potential	35	22.911	18.373	41.284
4	Potential	3	20.351	12.950	33.301	49	Potential	35	21.516	18.373	39.890
5	Potential	3	20.587	12.950	33.537	50	Potential	35	25.172	18.373	43.545
6	Potential	3	22.329	12.950	35.279	51	Current	35	17.767	18.373	36.141
7	Potential	3	16.907	12.950	29.857	52	Current	35	19.581	18.373	37.954

8	Potential	3	14.573	12.950	27.523	53	Current	35	13.812	18.373	32.185
9	Potential	3	21.066	12.950	34.016	54	Current	35	18.281	18.373	36.654
10	Potential	3	23.895	12.950	36.845	55	Current	35	25.000	18.373	43.374
11	Potential	3	30.384	12.950	43.334	56	Current	35	25.014	18.373	43.387
12	Potential	3	28.483	12.950	41.433	58	Current	35	23.387	18.373	41.760
13	Potential	3	24.312	12.950	37.262	59	Current	35	24.687	18.373	43.060
14	Potential	3	16.011	12.950	28.961	60	Current	35	27.240	18.373	45.613
15	Potential	3	15.528	12.950	28.478	61	Current	35	28.614	18.373	46.987
16	Potential	3	24.290	12.950	37.240	62	Current	35	27.495	18.373	45.868
17	Potential	3	24.339	12.950	37.289	64	Current	35	17.322	18.373	35.695
18	Potential	3	7.790	12.950	20.740	65	Current	35	23.288	18.373	41.661
19	Potential	3	26.132	12.950	39.082	71	Current	35	12.521	18.373	30.894
20	Potential	3	15.827	12.950	28.776	72	Current	35	10.117	18.373	28.490
22	Potential	3	20.965	12.950	33.915	73	Current	35	7.694	18.373	26.067
23	Potential	3	23.695	12.950	36.645	74	Current	35	12.520	18.373	30.893
24	Potential	3	29.536	12.950	42.485	75	Current	35	10.509	18.373	28.882
25	Potential	3	20.178	12.950	33.128	77	Current	35	9.374	18.373	27.748
26	Potential	3	20.402	12.950	33.352	78	Current	35	12.627	18.373	31.000
27	Potential	3	29.916	12.950	42.866	79	Current	35	16.659	18.373	35.032
28	Potential	3	23.193	12.950	36.143	80	Current	35	9.876	18.373	28.249
29	Potential	3	21.531	12.950	34.481	81	Current	35	14.691	18.373	33.064
30	Potential	3	29.541	12.950	42.491	82	Current	35	9.963	18.373	28.336
31	Potential	3	32.399	12.950	45.349	83	Current	35	17.381	18.373	35.754
32	Potential	3	15.776	12.950	28.726	84	Current	35	19.365	18.373	37.738
33	Potential	3	22.471	12.950	35.421	85	Current	35	25.049	18.373	43.422
37	Potential	3	33.888	12.950	46.838	86	Current	35	21.419	18.373	39.792
38	Potential	3	28.266	12.950	41.216	87	Current	35	24.745	18.373	43.119
40	Potential	3	32.832	12.950	45.782	88	Current	35	26.403	18.373	44.776
44	Potential	3	31.587	12.950	44.537	89	Current	35	22.727	18.373	41.100
45	Potential	3	29.214	12.950	42.164	100	Current	35	13.871	18.373	32.244
46	Potential	3	31.478	12.950	44.428	101	Current	35	12.171	18.373	30.544
51	Current	3	17.339	12.950	30.289	102	Current	35	12.025	18.373	30.398
52	Current	3	18.692	12.950	31.642	103	Current	35	23.198	18.373	41.572
53	Current	3	22.815	12.950	35.765	105	Current	35	21.696	18.373	40.069
54	Current	3	23.855	12.950	36.805	106	Current	35	13.803	18.373	32.176
55	Current	3	28.195	12.950	41.145	108	Current	35	23.460	18.373	41.833
56	Current	3	31.531	12.950	44.481	109	Current	35	14.287	18.373	32.660
58	Current	3	21.066	12.950	34.016	110	Current	35	16.401	18.373	34.774
59	Current	3	19.521	12.950	32.471	112	Current	35	18.657	18.373	37.031
60	Current	3	15.746	12.950	28.695	113	Current	35	17.477	18.373	35.850
61	Current	3	14.357	12.950	27.307	114	Current	35	26.493	18.373	44.866
62	Current	3	8.634	12.950	21.584	115	Current	35	16.847	18.373	35.220
63	Current	3	33.045	12.950	45.995	1	Potential	36	21.568	15.347	36.916
64	Current	3	25.649	12.950	38.598	2	Potential	36	17.786	15.347	33.134
65	Current	3	25.224	12.950	38.174	3	Potential	36	21.670	15.347	37.017
66	Current	3	32.167	12.950	45.116	4	Potential	36	7.794	15.347	23.141
69	Current	3	33.199	12.950	46.149	5	Potential	36	6.527	15.347	21.874
71	Current	3	24.682	12.950	37.632	6	Potential	36	5.425	15.347	20.773
72	Current	3	26.625	12.950	39.574	7	Potential	36	9.505	15.347	24.852
73	Current	3	28.720	12.950	41.670	8	Potential	36	15.356	15.347	30.703
74	Current	3	18.751	12.950	31.701	9	Potential	36	6.311	15.347	21.658
75	Current	3	19.733	12.950	32.683	10	Potential	36	1.602	15.347	16.949
77	Current	3	19.158	12.950	32.108	11	Potential	36	8.870	15.347	24.217
78	Current	3	15.865	12.950	28.814	12	Potential	36	5.298	15.347	20.645

79	Current	3	12.998	12.950	25.948	13	Potential	36	2.360	15.347	17.708
80	Current	3	20.830	12.950	33.780	14	Potential	36	9.516	15.347	24.863
81	Current	3	15.367	12.950	28.317	15	Potential	36	11.721	15.347	27.068
82	Current	3	21.846	12.950	34.796	16	Potential	36	4.641	15.347	19.988
83	Current	3	15.396	12.950	28.346	17	Potential	36	1.014	15.347	16.361
84	Current	3	13.440	12.950	26.389	18	Potential	36	23.520	15.347	38.867
85	Current	3	3.359	12.950	16.309	19	Potential	36	21.747	15.347	37.095
86	Current	3	10.484	12.950	23.434	20	Potential	36	23.602	15.347	38.949
87	Current	3	16.723	12.950	29.673	22	Potential	36	20.837	15.347	36.184
88	Current	3	14.872	12.950	27.822	23	Potential	36	11.613	15.347	26.961
89	Current	3	15.740	12.950	28.690	24	Potential	36	19.594	15.347	34.942
91	Current	3	29.266	12.950	42.216	25	Potential	36	15.213	15.347	30.561
92	Current	3	29.732	12.950	42.682	26	Potential	36	22.618	15.347	37.965
93	Current	3	29.637	12.950	42.587	27	Potential	36	24.903	15.347	40.251
94	Current	3	9.783	12.950	22.733	28	Potential	36	15.169	15.347	30.517
95	Current	3	27.707	12.950	40.657	29	Potential	36	21.403	15.347	36.751
98	Current	3	22.867	12.950	35.817	30	Potential	36	20.574	15.347	35.921
99	Current	3	15.437	12.950	28.387	31	Potential	36	27.386	15.347	42.733
100	Current	3	31.071	12.950	44.021	32	Potential	36	25.888	15.347	41.236
101	Current	3	29.151	12.950	42.101	33	Potential	36	17.705	15.347	33.052
102	Current	3	29.226	12.950	42.176	43	Potential	36	14.563	15.347	29.910
106	Current	3	26.573	12.950	39.522	44	Potential	36	11.937	15.347	27.285
109	Current	3	27.057	12.950	40.007	45	Potential	36	9.564	15.347	24.911
110	Current	3	29.171	12.950	42.121	46	Potential	36	16.259	15.347	31.606
112	Current	3	30.465	12.950	43.415	47	Potential	36	23.003	15.347	38.350
113	Current	3	28.156	12.950	41.106	48	Potential	36	20.462	15.347	35.809
115	Current	3	34.048	12.950	46.997	49	Potential	36	19.067	15.347	34.414
1	Potential	4	25.384	20.126	45.510	50	Potential	36	22.722	15.347	38.070
2	Potential	4	21.602	20.126	41.729	51	Current	36	14.961	15.347	30.309
4	Potential	4	13.819	20.126	33.946	52	Current	36	16.753	15.347	32.100
5	Potential	4	13.639	20.126	33.765	53	Current	36	10.984	15.347	26.331
6	Potential	4	15.243	20.126	35.369	54	Current	36	15.832	15.347	31.179
7	Potential	4	18.872	20.126	38.999	55	Current	36	22.551	15.347	37.899
8	Potential	4	19.073	20.126	39.199	56	Current	36	22.564	15.347	37.912
9	Potential	4	16.128	20.126	36.255	57	Current	36	29.476	15.347	44.824
10	Potential	4	12.150	20.126	32.276	58	Current	36	20.938	15.347	36.285
11	Potential	4	11.056	20.126	31.182	59	Current	36	21.859	15.347	37.206
12	Potential	4	8.860	20.126	28.986	60	Current	36	24.791	15.347	40.138
13	Potential	4	11.896	20.126	32.023	61	Current	36	25.709	15.347	41.056
14	Potential	4	18.226	20.126	38.352	62	Current	36	24.363	15.347	39.711
15	Potential	4	16.754	20.126	36.880	63	Current	36	29.152	15.347	44.499
16	Potential	4	7.376	20.126	27.502	64	Current	36	14.873	15.347	30.220
17	Potential	4	12.594	20.126	32.720	65	Current	36	20.839	15.347	36.186
19	Potential	4	25.107	20.126	45.234	71	Current	36	7.870	15.347	23.217
22	Potential	4	24.197	20.126	44.323	72	Current	36	5.466	15.347	20.814
23	Potential	4	15.657	20.126	35.784	73	Current	36	5.535	15.347	20.882
24	Potential	4	22.384	20.126	42.511	74	Current	36	8.565	15.347	23.912
25	Potential	4	19.257	20.126	39.384	75	Current	36	6.848	15.347	22.195
26	Potential	4	26.662	20.126	46.788	77	Current	36	6.243	15.347	21.590
28	Potential	4	18.529	20.126	38.656	78	Current	36	9.495	15.347	24.842
29	Potential	4	24.763	20.126	44.890	79	Current	36	13.527	15.347	28.874
30	Potential	4	23.492	20.126	43.618	80	Current	36	7.048	15.347	22.395
33	Potential	4	21.065	20.126	41.191	81	Current	36	11.560	15.347	26.907
43	Potential	4	7.247	20.126	27.373	82	Current	36	7.135	15.347	22.482

44	Potential	4	5.085	20.126	25.211	83	Current	36	14.575	15.347	29.922
45	Potential	4	2.532	20.126	22.658	84	Current	36	16.460	15.347	31.807
46	Potential	4	15.134	20.126	35.260	85	Current	36	21.917	15.347	37.264
47	Potential	4	15.687	20.126	35.813	86	Current	36	18.288	15.347	33.635
48	Potential	4	17.886	20.126	38.013	87	Current	36	21.840	15.347	37.188
49	Potential	4	11.751	20.126	31.878	88	Current	36	23.498	15.347	38.845
50	Potential	4	20.147	20.126	40.273	89	Current	36	19.822	15.347	35.169
51	Current	4	18.678	20.126	38.805	94	Current	36	25.513	15.347	40.860
52	Current	4	20.797	20.126	40.923	99	Current	36	31.167	15.347	46.514
53	Current	4	15.028	20.126	35.154	100	Current	36	11.422	15.347	26.769
54	Current	4	19.192	20.126	39.318	101	Current	36	9.721	15.347	25.069
55	Current	4	25.911	20.126	46.038	102	Current	36	9.576	15.347	24.923
56	Current	4	25.482	20.126	45.609	103	Current	36	20.749	15.347	36.096
58	Current	4	24.298	20.126	44.425	105	Current	36	19.247	15.347	34.594
59	Current	4	25.903	20.126	46.029	106	Current	36	11.353	15.347	26.701
64	Current	4	18.233	20.126	38.359	108	Current	36	21.011	15.347	36.358
65	Current	4	24.199	20.126	44.325	109	Current	36	11.838	15.347	27.185
71	Current	4	17.688	20.126	37.814	110	Current	36	13.952	15.347	29.299
72	Current	4	15.284	20.126	35.410	112	Current	36	16.208	15.347	31.556
73	Current	4	9.097	20.126	29.223	113	Current	36	15.028	15.347	30.375
74	Current	4	18.383	20.126	38.509	114	Current	36	24.044	15.347	39.391
75	Current	4	16.565	20.126	36.691	115	Current	36	14.398	15.347	29.745
77	Current	4	15.090	20.126	35.217	2	Potential	37	22.907	20.580	43.487
78	Current	4	18.080	20.126	38.206	4	Potential	37	15.124	20.580	35.704
79	Current	4	19.484	20.126	39.610	5	Potential	37	14.161	20.580	34.741
80	Current	4	13.073	20.126	33.200	6	Potential	37	9.910	20.580	30.490
81	Current	4	16.938	20.126	37.065	7	Potential	37	14.022	20.580	34.602
82	Current	4	12.309	20.126	32.435	8	Potential	37	20.378	20.580	40.957
83	Current	4	18.292	20.126	38.418	9	Potential	37	10.513	20.580	31.093
84	Current	4	20.276	20.126	40.402	10	Potential	37	9.192	20.580	29.772
86	Current	4	24.096	20.126	44.222	11	Potential	37	0.523	20.580	21.103
87	Current	4	25.656	20.126	45.783	12	Potential	37	4.667	20.580	25.247
89	Current	4	23.637	20.126	43.764	13	Potential	37	9.803	20.580	30.383
100	Current	4	4.106	20.126	24.232	14	Potential	37	15.604	20.580	36.184
101	Current	4	5.787	20.126	25.914	15	Potential	37	17.810	20.580	38.390
102	Current	4	2.723	20.126	22.850	16	Potential	37	8.681	20.580	29.261
103	Current	4	20.257	20.126	40.383	17	Potential	37	9.225	20.580	29.805
105	Current	4	13.203	20.126	33.330	19	Potential	37	26.412	20.580	46.992
106	Current	4	12.025	20.126	32.151	22	Potential	37	25.502	20.580	46.082
108	Current	4	18.435	20.126	38.562	23	Potential	37	16.962	20.580	37.542
109	Current	4	9.436	20.126	29.562	24	Potential	37	24.259	20.580	44.839
110	Current	4	12.766	20.126	32.892	25	Potential	37	20.562	20.580	41.142
112	Current	4	15.716	20.126	35.842	28	Potential	37	19.834	20.580	40.414
113	Current	4	16.736	20.126	36.862	29	Potential	37	26.068	20.580	46.648
114	Current	4	23.551	20.126	43.677	30	Potential	37	25.239	20.580	45.819
115	Current	4	7.082	20.126	27.208	33	Potential	37	22.370	20.580	42.950
1	Potential	5	23.869	20.962	44.831	43	Potential	37	14.601	20.580	35.181
2	Potential	5	20.087	20.962	41.049	44	Potential	37	11.975	20.580	32.555
4	Potential	5	12.979	20.962	33.941	45	Potential	37	9.602	20.580	30.182
5	Potential	5	14.859	20.962	35.821	46	Potential	37	20.924	20.580	41.503
6	Potential	5	17.152	20.962	38.114	47	Potential	37	23.041	20.580	43.621
7	Potential	5	18.784	20.962	39.746	48	Potential	37	25.127	20.580	45.707
8	Potential	5	17.558	20.962	38.519	49	Potential	37	19.105	20.580	39.685
9	Potential	5	18.038	20.962	38.999	51	Current	37	19.983	20.580	40.563

10	Potential	5	14.667	20.962	35.628	52	Current	37	22.102	20.580	42.681
11	Potential	5	18.818	20.962	39.780	53	Current	37	16.333	20.580	36.913
12	Potential	5	16.622	20.962	37.583	54	Current	37	20.497	20.580	41.077
13	Potential	5	14.817	20.962	35.779	58	Current	37	25.603	20.580	46.183
14	Potential	5	16.711	20.962	37.673	64	Current	37	19.538	20.580	40.118
15	Potential	5	15.239	20.962	36.200	65	Current	37	25.504	20.580	46.084
16	Potential	5	11.599	20.962	32.560	71	Current	37	7.752	20.580	28.332
17	Potential	5	15.111	20.962	36.072	72	Current	37	4.644	20.580	25.224
19	Potential	5	23.146	20.962	44.107	73	Current	37	4.904	20.580	25.484
20	Potential	5	25.903	20.962	46.864	74	Current	37	12.943	20.580	33.523
22	Potential	5	22.235	20.962	43.197	75	Current	37	11.365	20.580	31.945
23	Potential	5	13.970	20.962	34.931	77	Current	37	13.877	20.580	34.457
24	Potential	5	12.031	20.962	32.993	78	Current	37	15.584	20.580	36.164
25	Potential	5	17.570	20.962	38.531	79	Current	37	19.616	20.580	40.196
26	Potential	5	24.974	20.962	45.936	80	Current	37	14.378	20.580	34.958
27	Potential	5	23.375	20.962	44.336	81	Current	37	17.648	20.580	38.228
28	Potential	5	16.567	20.962	37.529	82	Current	37	13.622	20.580	34.202
29	Potential	5	22.801	20.962	43.763	83	Current	37	19.597	20.580	40.177
30	Potential	5	15.810	20.962	36.772	84	Current	37	21.581	20.580	42.161
31	Potential	5	23.571	20.962	44.533	86	Current	37	24.103	20.580	44.683
33	Potential	5	18.580	20.962	39.542	89	Current	37	24.942	20.580	45.522
43	Potential	5	14.701	20.962	35.663	100	Current	37	11.460	20.580	32.040
44	Potential	5	14.823	20.962	35.785	101	Current	37	11.916	20.580	32.496
45	Potential	5	12.450	20.962	33.412	102	Current	37	9.614	20.580	30.194
46	Potential	5	4.288	20.962	25.250	103	Current	37	25.414	20.580	45.994
47	Potential	5	16.041	20.962	37.003	105	Current	37	20.557	20.580	41.137
48	Potential	5	11.719	20.962	32.681	106	Current	37	16.018	20.580	36.598
49	Potential	5	11.544	20.962	32.505	108	Current	37	25.676	20.580	46.256
50	Potential	5	13.838	20.962	34.800	109	Current	37	15.472	20.580	36.051
51	Current	5	17.163	20.962	38.125	110	Current	37	18.617	20.580	39.197
52	Current	5	19.109	20.962	40.071	112	Current	37	20.873	20.580	41.453
53	Current	5	13.340	20.962	34.302	113	Current	37	19.693	20.580	40.272
54	Current	5	17.230	20.962	38.192	115	Current	37	14.436	20.580	35.016
55	Current	5	21.413	20.962	42.375	1	Potential	38	24.604	18.938	43.542
56	Current	5	17.801	20.962	38.762	2	Potential	38	20.823	18.938	39.760
57	Current	5	26.008	20.962	46.970	3	Potential	38	24.700	18.938	43.638
58	Current	5	22.336	20.962	43.298	4	Potential	38	11.412	18.938	30.349
59	Current	5	24.215	20.962	45.177	5	Potential	38	10.436	18.938	29.374
64	Current	5	13.999	20.962	34.961	6	Potential	38	7.157	18.938	26.095
65	Current	5	22.237	20.962	43.199	7	Potential	38	11.237	18.938	30.175
71	Current	5	20.523	20.962	41.485	8	Potential	38	18.331	18.938	37.269
72	Current	5	19.512	20.962	40.474	9	Potential	38	8.043	18.938	26.980
73	Current	5	16.859	20.962	37.821	10	Potential	38	5.367	18.938	24.305
74	Current	5	19.822	20.962	40.784	11	Potential	38	4.728	18.938	23.665
75	Current	5	18.281	20.962	39.243	12	Potential	38	1.156	18.938	20.094
77	Current	5	16.310	20.962	37.272	13	Potential	38	5.978	18.938	24.916
78	Current	5	16.565	20.962	37.527	14	Potential	38	12.552	18.938	31.489
79	Current	5	17.969	20.962	38.931	15	Potential	38	14.757	18.938	33.695
80	Current	5	12.402	20.962	33.364	16	Potential	38	6.634	18.938	25.572
81	Current	5	15.423	20.962	36.385	17	Potential	38	5.332	18.938	24.270
82	Current	5	10.903	20.962	31.864	18	Potential	38	26.550	18.938	45.488
83	Current	5	16.777	20.962	37.739	19	Potential	38	24.366	18.938	43.303
84	Current	5	18.761	20.962	39.723	20	Potential	38	26.638	18.938	45.575
86	Current	5	22.581	20.962	43.543	22	Potential	38	23.455	18.938	42.393

87	Current	5	24.141	20.962	45.103	23	Potential	38	14.916	18.938	33.853
88	Current	5	25.798	20.962	46.760	24	Potential	38	22.213	18.938	41.150
89	Current	5	22.122	20.962	43.084	25	Potential	38	18.516	18.938	37.453
100	Current	5	14.308	20.962	35.269	26	Potential	38	25.920	18.938	44.858
101	Current	5	9.124	20.962	30.086	27	Potential	38	27.522	18.938	46.459
102	Current	5	12.462	20.962	33.424	28	Potential	38	17.788	18.938	36.725
103	Current	5	7.909	20.962	28.870	29	Potential	38	24.022	18.938	42.959
104	Current	5	24.642	20.962	45.604	30	Potential	38	23.192	18.938	42.130
105	Current	5	10.505	20.962	31.467	33	Potential	38	20.323	18.938	39.261
106	Current	5	7.006	20.962	27.968	43	Potential	38	12.554	18.938	31.492
107	Current	5	24.071	20.962	45.032	44	Potential	38	9.929	18.938	28.866
108	Current	5	12.268	20.962	33.230	45	Potential	38	7.556	18.938	26.493
109	Current	5	6.465	20.962	27.426	46	Potential	38	18.877	18.938	37.815
110	Current	5	3.293	20.962	24.255	47	Potential	38	20.994	18.938	39.932
111	Current	5	19.644	20.962	40.606	48	Potential	38	23.080	18.938	42.018
112	Current	5	3.571	20.962	24.533	49	Potential	38	17.059	18.938	35.996
113	Current	5	7.020	20.962	27.982	50	Potential	38	25.341	18.938	44.279
114	Current	5	9.699	20.962	30.660	51	Current	38	17.936	18.938	36.874
115	Current	5	14.659	20.962	35.621	52	Current	38	20.055	18.938	38.993
4	Potential	6	18.858	24.747	43.605	53	Current	38	14.286	18.938	33.224
5	Potential	6	20.738	24.747	45.485	54	Current	38	18.450	18.938	37.388
10	Potential	6	20.953	24.747	45.700	55	Current	38	25.170	18.938	44.107
12	Potential	6	21.782	24.747	46.529	56	Current	38	25.183	18.938	44.120
13	Potential	6	20.895	24.747	45.642	58	Current	38	23.556	18.938	42.494
15	Potential	6	21.525	24.747	46.272	59	Current	38	25.161	18.938	44.099
16	Potential	6	17.885	24.747	42.632	60	Current	38	27.409	18.938	46.347
17	Potential	6	21.397	24.747	46.144	62	Current	38	27.394	18.938	46.332
23	Potential	6	20.256	24.747	45.003	64	Current	38	17.491	18.938	36.429
24	Potential	6	22.120	24.747	46.867	65	Current	38	23.457	18.938	42.395
43	Potential	6	17.304	24.747	42.051	71	Current	38	9.602	18.938	28.540
44	Potential	6	19.984	24.747	44.731	72	Current	38	7.198	18.938	26.136
45	Potential	6	17.611	24.747	42.358	73	Current	38	1.040	18.938	19.978
46	Potential	6	10.824	24.747	35.571	74	Current	38	10.297	18.938	29.235
47	Potential	6	18.791	24.747	43.538	75	Current	38	8.579	18.938	27.517
48	Potential	6	15.113	24.747	39.860	77	Current	38	10.152	18.938	29.089
49	Potential	6	14.147	24.747	38.894	78	Current	38	12.531	18.938	31.469
50	Potential	6	17.374	24.747	42.121	79	Current	38	16.563	18.938	35.501
53	Current	6	19.627	24.747	44.374	80	Current	38	10.666	18.938	29.603
64	Current	6	21.873	24.747	46.620	81	Current	38	14.596	18.938	33.533
73	Current	6	22.019	24.747	46.766	82	Current	38	10.753	18.938	29.691
77	Current	6	22.189	24.747	46.936	83	Current	38	17.550	18.938	36.488
80	Current	6	18.281	24.747	43.028	84	Current	38	19.496	18.938	38.434
81	Current	6	21.710	24.747	46.457	85	Current	38	24.948	18.938	43.885
82	Current	6	16.580	24.747	41.327	86	Current	38	21.318	18.938	40.256
100	Current	6	19.468	24.747	44.215	87	Current	38	24.877	18.938	43.814
101	Current	6	14.285	24.747	39.032	88	Current	38	26.534	18.938	45.471
102	Current	6	17.623	24.747	42.370	89	Current	38	22.858	18.938	41.795
103	Current	6	18.832	24.747	43.579	100	Current	38	9.413	18.938	28.351
105	Current	6	13.108	24.747	37.855	101	Current	38	9.869	18.938	28.807
106	Current	6	13.527	24.747	38.274	102	Current	38	7.567	18.938	26.505
108	Current	6	15.662	24.747	40.409	103	Current	38	23.368	18.938	42.305
109	Current	6	10.001	24.747	34.748	105	Current	38	18.511	18.938	37.448
110	Current	6	9.383	24.747	34.130	106	Current	38	13.972	18.938	32.909
112	Current	6	13.660	24.747	38.407	108	Current	38	23.629	18.938	42.567

113	Current	6	17.109	24.747	41.856	109	Current	38	13.425	18.938	32.363
114	Current	6	20.622	24.747	45.369	110	Current	38	16.570	18.938	35.508
115	Current	6	17.262	24.747	42.009	112	Current	38	18.827	18.938	37.764
11	Potential	7	19.831	26.583	46.414	113	Current	38	17.646	18.938	36.584
12	Potential	7	17.635	26.583	44.218	114	Current	38	26.662	18.938	45.600
16	Potential	7	16.735	26.583	43.318	115	Current	38	12.389	18.938	31.327
43	Potential	7	7.128	26.583	33.711	1	Potential	39	19.479	14.938	34.417
44	Potential	7	12.926	26.583	39.509	2	Potential	39	15.697	14.938	30.635
45	Potential	7	11.443	26.583	38.026	3	Potential	39	21.927	14.938	36.865
46	Potential	7	9.763	26.583	36.346	4	Potential	39	7.915	14.938	22.852
47	Potential	7	12.047	26.583	38.630	5	Potential	39	7.734	14.938	22.672
48	Potential	7	8.807	26.583	35.390	6	Potential	39	9.531	14.938	24.469
49	Potential	7	2.753	26.583	29.336	7	Potential	39	12.967	14.938	27.905
50	Potential	7	11.068	26.583	37.651	8	Potential	39	13.168	14.938	28.105
73	Current	7	17.872	26.583	44.455	9	Potential	39	10.417	14.938	25.354
82	Current	7	19.027	26.583	45.610	10	Potential	39	6.924	14.938	21.862
100	Current	7	9.591	26.583	36.174	11	Potential	39	8.751	14.938	23.689
101	Current	7	15.476	26.583	42.059	12	Potential	39	6.555	14.938	21.493
102	Current	7	11.498	26.583	38.081	13	Potential	39	6.350	14.938	21.287
103	Current	7	18.509	26.583	45.092	14	Potential	39	12.321	14.938	27.259
105	Current	7	4.125	26.583	30.708	15	Potential	39	10.849	14.938	25.787
106	Current	7	15.365	26.583	41.948	16	Potential	39	1.471	14.938	16.409
108	Current	7	9.356	26.583	35.939	17	Potential	39	7.368	14.938	22.306
109	Current	7	12.532	26.583	39.115	18	Potential	39	23.777	14.938	38.715
110	Current	7	11.330	26.583	37.913	19	Potential	39	19.202	14.938	34.140
112	Current	7	15.345	26.583	41.928	20	Potential	39	21.513	14.938	36.450
113	Current	7	18.794	26.583	45.377	21	Potential	39	29.261	14.938	44.199
114	Current	7	16.288	26.583	42.871	22	Potential	39	18.292	14.938	33.230
115	Current	7	7.086	26.583	33.669	23	Potential	39	9.752	14.938	24.690
11	Potential	8	16.989	29.545	46.534	24	Potential	39	17.049	14.938	31.987
12	Potential	8	14.793	29.545	44.338	25	Potential	39	13.352	14.938	28.290
16	Potential	8	13.893	29.545	43.438	26	Potential	39	20.757	14.938	35.695
43	Potential	8	3.987	29.545	33.532	27	Potential	39	22.359	14.938	37.296
44	Potential	8	10.084	29.545	39.629	28	Potential	39	12.624	14.938	27.562
45	Potential	8	8.601	29.545	38.146	29	Potential	39	18.858	14.938	33.796
46	Potential	8	14.584	29.545	44.129	30	Potential	39	18.029	14.938	32.967
47	Potential	8	6.194	29.545	35.739	31	Potential	39	24.841	14.938	39.779
48	Potential	8	12.962	29.545	42.507	32	Potential	39	23.799	14.938	38.737
49	Potential	8	8.742	29.545	38.287	33	Potential	39	15.160	14.938	30.098
50	Potential	8	11.778	29.545	41.323	43	Potential	39	11.393	14.938	26.331
73	Current	8	15.030	29.545	44.575	44	Potential	39	8.768	14.938	23.706
100	Current	8	6.749	29.545	36.294	45	Potential	39	6.395	14.938	21.332
101	Current	8	12.634	29.545	42.179	46	Potential	39	13.714	14.938	28.651
102	Current	8	8.656	29.545	38.201	47	Potential	39	19.833	14.938	34.771
105	Current	8	10.194	29.545	39.739	48	Potential	39	17.917	14.938	32.854
108	Current	8	11.809	29.545	41.354	49	Potential	39	15.898	14.938	30.835
109	Current	8	16.282	29.545	45.827	50	Potential	39	20.178	14.938	35.115
110	Current	8	16.151	29.545	45.696	51	Current	39	12.773	14.938	27.711
115	Current	8	4.244	29.545	33.789	52	Current	39	14.892	14.938	29.829
16	Potential	9	16.771	29.935	46.706	53	Current	39	9.123	14.938	24.061
43	Potential	9	6.865	29.935	36.800	54	Current	39	13.287	14.938	28.224
44	Potential	9	12.962	29.935	42.897	55	Current	39	20.006	14.938	34.944
45	Potential	9	11.479	29.935	41.414	56	Current	39	20.020	14.938	34.957
46	Potential	9	12.950	29.935	42.885	57	Current	39	26.932	14.938	41.869

47	Potential	9	1.575	29.935	31.510	58	Current	39	18.393	14.938	33.331
48	Potential	9	8.343	29.935	38.278	59	Current	39	19.998	14.938	34.936
49	Potential	9	11.620	29.935	41.555	60	Current	39	22.246	14.938	37.184
50	Potential	9	7.159	29.935	37.094	61	Current	39	23.620	14.938	38.558
100	Current	9	9.627	29.935	39.562	62	Current	39	24.621	14.938	39.559
101	Current	9	15.512	29.935	45.447	63	Current	39	26.607	14.938	41.545
102	Current	9	11.534	29.935	41.469	64	Current	39	12.328	14.938	27.265
105	Current	9	10.423	29.935	40.358	65	Current	39	18.294	14.938	33.232
108	Current	9	7.190	29.935	37.125	71	Current	39	12.902	14.938	27.839
109	Current	9	15.958	29.935	45.893	72	Current	39	11.891	14.938	26.829
110	Current	9	14.517	29.935	44.452	73	Current	39	6.792	14.938	21.730
114	Current	9	16.721	29.935	46.656	74	Current	39	12.671	14.938	27.609
115	Current	9	7.122	29.935	37.057	75	Current	39	10.660	14.938	25.598
24	Potential	10	16.743	29.072	45.815	77	Current	39	9.185	14.938	24.123
46	Potential	10	11.028	29.072	40.100	78	Current	39	12.175	14.938	27.113
47	Potential	10	15.505	29.072	44.577	79	Current	39	13.579	14.938	28.517
48	Potential	10	8.789	29.072	37.861	80	Current	39	7.168	14.938	22.106
49	Potential	10	16.437	29.072	45.509	81	Current	39	11.033	14.938	25.971
50	Potential	10	9.796	29.072	38.868	82	Current	39	6.685	14.938	21.623
101	Current	10	17.881	29.072	46.953	83	Current	39	12.387	14.938	27.325
103	Current	10	11.675	29.072	40.746	84	Current	39	14.371	14.938	29.309
105	Current	10	14.539	29.072	43.611	85	Current	39	22.175	14.938	37.112
106	Current	10	15.621	29.072	44.693	86	Current	39	18.191	14.938	33.129
108	Current	10	10.560	29.072	39.632	87	Current	39	19.751	14.938	34.689
109	Current	10	15.221	29.072	44.293	88	Current	39	21.409	14.938	36.346
110	Current	10	12.050	29.072	41.121	89	Current	39	17.733	14.938	32.670
112	Current	10	10.642	29.072	39.714	94	Current	39	25.770	14.938	40.708
113	Current	10	13.327	29.072	42.398	99	Current	39	31.424	14.938	46.362
114	Current	10	9.956	29.072	39.028	100	Current	39	8.252	14.938	23.190
111	Current	11	2.956	41.802	44.757	101	Current	39	6.552	14.938	21.490
1	Potential	12	25.215	19.806	45.021	102	Current	39	6.407	14.938	21.344
2	Potential	12	21.433	19.806	41.239	103	Current	39	18.204	14.938	33.142
4	Potential	12	13.650	19.806	33.456	105	Current	39	16.702	14.938	31.640
5	Potential	12	13.470	19.806	33.276	106	Current	39	8.808	14.938	23.746
6	Potential	12	14.490	19.806	34.296	108	Current	39	18.466	14.938	33.403
7	Potential	12	18.569	19.806	38.375	109	Current	39	9.293	14.938	24.230
8	Potential	12	18.903	19.806	38.709	110	Current	39	11.407	14.938	26.344
9	Potential	12	15.375	19.806	35.181	112	Current	39	13.663	14.938	28.601
10	Potential	12	11.980	19.806	31.786	113	Current	39	12.483	14.938	27.420
11	Potential	12	10.303	19.806	30.109	114	Current	39	21.499	14.938	36.436
12	Potential	12	8.106	19.806	27.913	115	Current	39	11.228	14.938	26.166
13	Potential	12	11.727	19.806	31.533	1	Potential	40	8.940	11.819	20.758
14	Potential	12	18.057	19.806	37.863	2	Potential	40	5.158	11.819	16.976
15	Potential	12	16.584	19.806	36.391	3	Potential	40	13.800	11.819	25.619
16	Potential	12	7.207	19.806	27.013	4	Potential	40	7.000	11.819	18.818
17	Potential	12	12.424	19.806	32.230	5	Potential	40	8.415	11.819	20.234
19	Potential	12	24.938	19.806	44.744	6	Potential	40	11.947	11.819	23.766
22	Potential	12	24.027	19.806	43.834	7	Potential	40	7.761	11.819	19.580
23	Potential	12	15.488	19.806	35.294	8	Potential	40	0.743	11.819	12.561
24	Potential	12	22.544	19.806	42.351	9	Potential	40	12.165	11.819	23.983
25	Potential	12	19.088	19.806	38.894	10	Potential	40	12.964	11.819	24.783
26	Potential	12	26.492	19.806	46.299	11	Potential	40	18.200	11.819	30.019
28	Potential	12	18.360	19.806	38.166	12	Potential	40	16.004	11.819	27.822
29	Potential	12	24.594	19.806	44.400	13	Potential	40	12.614	11.819	24.433

30	Potential	12	23.652	19.806	43.458	14	Potential	40	5.688	11.819	17.507
33	Potential	12	20.896	19.806	40.702	15	Potential	40	3.357	11.819	15.176
43	Potential	12	6.913	19.806	26.720	16	Potential	40	10.920	11.819	22.738
44	Potential	12	1.666	19.806	21.472	17	Potential	40	13.408	11.819	25.227
45	Potential	12	1.915	19.806	21.721	18	Potential	40	15.651	11.819	27.469
46	Potential	12	15.294	19.806	35.100	19	Potential	40	12.789	11.819	24.608
47	Potential	12	15.353	19.806	35.160	20	Potential	40	10.973	11.819	22.792
48	Potential	12	17.553	19.806	37.359	21	Potential	40	23.476	11.819	35.295
49	Potential	12	11.418	19.806	31.224	22	Potential	40	13.498	11.819	25.317
50	Potential	12	19.813	19.806	39.620	23	Potential	40	9.630	11.819	21.448
51	Current	12	18.509	19.806	38.315	24	Potential	40	16.193	11.819	28.011
52	Current	12	20.627	19.806	40.433	25	Potential	40	6.835	11.819	18.654
53	Current	12	14.859	19.806	34.665	26	Potential	40	11.854	11.819	23.673
54	Current	12	19.022	19.806	38.828	27	Potential	40	16.573	11.819	28.392
55	Current	12	25.742	19.806	45.548	28	Potential	40	9.850	11.819	21.669
56	Current	12	25.642	19.806	45.449	29	Potential	40	14.065	11.819	25.883
58	Current	12	24.129	19.806	43.935	30	Potential	40	16.198	11.819	28.017
59	Current	12	25.734	19.806	45.540	31	Potential	40	19.056	11.819	30.875
64	Current	12	18.063	19.806	37.869	32	Potential	40	13.260	11.819	25.078
65	Current	12	24.030	19.806	43.836	33	Potential	40	9.128	11.819	20.947
71	Current	12	16.934	19.806	36.741	39	Potential	40	31.193	11.819	43.012
72	Current	12	14.530	19.806	34.337	40	Potential	40	29.622	11.819	41.441
73	Current	12	8.344	19.806	28.150	43	Potential	40	20.842	11.819	32.660
74	Current	12	17.629	19.806	37.435	44	Potential	40	18.216	11.819	30.035
75	Current	12	15.912	19.806	35.718	45	Potential	40	15.843	11.819	27.662
77	Current	12	14.921	19.806	34.727	46	Potential	40	18.107	11.819	29.926
78	Current	12	17.910	19.806	37.717	47	Potential	40	26.632	11.819	38.450
79	Current	12	19.315	19.806	39.121	48	Potential	40	22.310	11.819	34.129
80	Current	12	12.904	19.806	32.710	49	Potential	40	22.134	11.819	33.953
81	Current	12	16.769	19.806	36.575	50	Potential	40	24.571	11.819	36.390
82	Current	12	12.140	19.806	31.946	51	Current	40	3.273	11.819	15.092
83	Current	12	18.123	19.806	37.929	52	Current	40	5.349	11.819	17.168
84	Current	12	20.107	19.806	39.913	53	Current	40	8.749	11.819	20.568
86	Current	12	23.926	19.806	43.733	54	Current	40	10.512	11.819	22.331
87	Current	12	25.487	19.806	45.293	55	Current	40	14.852	11.819	26.671
88	Current	12	27.144	19.806	46.950	56	Current	40	18.189	11.819	30.007
89	Current	12	23.468	19.806	43.274	57	Current	40	21.146	11.819	32.965
100	Current	12	3.772	19.806	23.579	58	Current	40	13.599	11.819	25.418
101	Current	12	5.948	19.806	25.754	59	Current	40	10.973	11.819	22.792
102	Current	12	1.723	19.806	21.529	60	Current	40	12.171	11.819	23.989
103	Current	12	20.417	19.806	40.223	61	Current	40	13.080	11.819	24.899
105	Current	12	12.870	19.806	32.676	62	Current	40	16.399	11.819	28.218
106	Current	12	12.185	19.806	31.991	63	Current	40	20.194	11.819	32.012
108	Current	12	18.102	19.806	37.908	64	Current	40	12.306	11.819	24.124
109	Current	12	9.596	19.806	29.402	65	Current	40	11.881	11.819	23.700
110	Current	12	12.926	19.806	32.732	68	Current	40	32.723	11.819	44.542
112	Current	12	15.876	19.806	35.682	70	Current	40	33.608	11.819	45.427
113	Current	12	16.896	19.806	36.702	71	Current	40	15.318	11.819	27.137
114	Current	12	23.711	19.806	43.518	72	Current	40	15.928	11.819	27.746
115	Current	12	6.749	19.806	26.555	73	Current	40	16.241	11.819	28.059
1	Potential	13	24.354	22.085	46.439	74	Current	40	13.343	11.819	25.162
2	Potential	13	21.801	22.085	43.886	75	Current	40	10.832	11.819	22.650
4	Potential	13	15.563	22.085	37.648	77	Current	40	8.227	11.819	20.046
5	Potential	13	17.443	22.085	39.528	78	Current	40	5.542	11.819	17.361

6	Potential	13	20.320	22.085	42.405	79	Current	40	6.379	11.819	18.198
7	Potential	13	21.472	22.085	43.557	80	Current	40	7.479	11.819	19.297
8	Potential	13	16.995	22.085	39.081	81	Current	40	3.542	11.819	15.361
9	Potential	13	21.205	22.085	43.291	82	Current	40	8.475	11.819	20.294
10	Potential	13	17.834	22.085	39.920	83	Current	40	1.330	11.819	13.149
11	Potential	13	21.985	22.085	44.071	84	Current	40	3.831	11.819	15.650
12	Potential	13	19.789	22.085	41.875	85	Current	40	14.048	11.819	25.866
13	Potential	13	17.625	22.085	39.711	86	Current	40	7.651	11.819	19.470
14	Potential	13	19.399	22.085	41.484	87	Current	40	9.212	11.819	21.030
15	Potential	13	17.926	22.085	40.012	88	Current	40	10.869	11.819	22.688
16	Potential	13	14.766	22.085	36.851	89	Current	40	7.193	11.819	19.012
17	Potential	13	18.278	22.085	40.364	91	Current	40	26.056	11.819	37.875
19	Potential	13	20.469	22.085	42.555	92	Current	40	26.522	11.819	38.341
20	Potential	13	23.761	22.085	45.846	93	Current	40	26.428	11.819	38.246
21	Potential	13	23.596	22.085	45.681	94	Current	40	17.643	11.819	29.462
22	Potential	13	19.729	22.085	41.814	95	Current	40	24.498	11.819	36.316
23	Potential	13	11.883	22.085	33.968	98	Current	40	30.727	11.819	42.546
24	Potential	13	5.789	22.085	27.874	99	Current	40	21.371	11.819	33.190
25	Potential	13	15.483	22.085	37.568	100	Current	40	17.701	11.819	29.519
26	Potential	13	22.888	22.085	44.973	101	Current	40	15.780	11.819	27.599
27	Potential	13	18.050	22.085	40.136	102	Current	40	15.855	11.819	27.674
28	Potential	13	14.062	22.085	36.147	103	Current	40	20.941	11.819	32.759
29	Potential	13	20.296	22.085	42.381	104	Current	40	34.716	11.819	46.535
30	Potential	13	9.568	22.085	31.653	105	Current	40	21.096	11.819	32.914
31	Potential	13	17.329	22.085	39.415	106	Current	40	13.202	11.819	25.020
33	Potential	13	13.759	22.085	35.844	107	Current	40	31.647	11.819	43.466
43	Potential	13	19.347	22.085	41.432	108	Current	40	22.859	11.819	34.678
44	Potential	13	17.991	22.085	40.076	109	Current	40	13.686	11.819	25.505
45	Potential	13	15.618	22.085	37.703	110	Current	40	15.800	11.819	27.619
46	Potential	13	8.871	22.085	30.957	111	Current	40	34.961	11.819	46.780
47	Potential	13	20.687	22.085	42.772	112	Current	40	16.400	11.819	28.218
48	Potential	13	16.365	22.085	38.451	113	Current	40	14.091	11.819	25.909
49	Potential	13	16.190	22.085	38.275	114	Current	40	24.235	11.819	36.054
50	Potential	13	16.509	22.085	38.594	115	Current	40	20.677	11.819	32.496
51	Current	13	16.601	22.085	38.686	39	Potential	41	4.604	37.477	42.081
52	Current	13	17.023	22.085	39.108	40	Potential	41	4.953	37.477	42.430
53	Current	13	11.254	22.085	33.339	68	Current	41	5.138	37.477	42.615
54	Current	13	13.312	22.085	35.397	70	Current	41	5.449	37.477	42.926
55	Current	13	16.546	22.085	38.631	35	Potential	43	3.363	41.861	45.224
56	Current	13	11.559	22.085	33.644	36	Potential	43	2.024	41.861	43.885
57	Current	13	19.766	22.085	41.851	69	Current	43	5.118	41.861	46.979
58	Current	13	19.830	22.085	41.916	37	Potential	45	1.350	38.782	40.132
59	Current	13	22.129	22.085	44.214	69	Current	45	8.010	38.782	46.793
60	Current	13	23.683	22.085	45.769	1	Potential	46	17.186	15.723	32.909
64	Current	13	11.493	22.085	33.578	2	Potential	46	13.067	15.723	28.790
65	Current	13	18.993	22.085	41.078	3	Potential	46	22.907	15.723	38.629
71	Current	13	23.690	22.085	45.776	4	Potential	46	9.465	15.723	25.187
72	Current	13	22.680	22.085	44.765	5	Potential	46	11.345	15.723	27.068
73	Current	13	20.026	22.085	42.112	6	Potential	46	14.709	15.723	30.432
74	Current	13	22.990	22.085	45.075	7	Potential	46	15.368	15.723	31.091
75	Current	13	21.449	22.085	43.534	8	Potential	46	10.613	15.723	26.336
77	Current	13	18.894	22.085	40.979	9	Potential	46	15.595	15.723	31.317
78	Current	13	19.252	22.085	41.338	10	Potential	46	12.102	15.723	27.825
79	Current	13	20.657	22.085	42.742	11	Potential	46	17.263	15.723	32.986

80	Current	13	14.985	22.085	37.071	12	Potential	46	15.067	15.723	30.790
81	Current	13	18.111	22.085	40.196	13	Potential	46	11.528	15.723	27.250
82	Current	13	13.486	22.085	35.571	14	Potential	46	13.295	15.723	29.018
83	Current	13	16.215	22.085	38.300	15	Potential	46	11.829	15.723	27.551
84	Current	13	20.474	22.085	42.560	16	Potential	46	9.983	15.723	25.706
86	Current	13	24.294	22.085	46.379	17	Potential	46	12.546	15.723	28.269
87	Current	13	24.626	22.085	46.712	18	Potential	46	22.807	15.723	38.530
89	Current	13	23.836	22.085	45.921	19	Potential	46	13.082	15.723	28.804
100	Current	13	17.475	22.085	39.561	20	Potential	46	16.263	15.723	31.986
101	Current	13	12.292	22.085	34.377	21	Potential	46	22.743	15.723	38.466
102	Current	13	15.630	22.085	37.715	22	Potential	46	13.003	15.723	28.726
103	Current	13	7.808	22.085	29.893	23	Potential	46	1.543	15.723	17.266
104	Current	13	23.164	22.085	45.249	24	Potential	46	11.702	15.723	27.424
105	Current	13	15.151	22.085	37.236	25	Potential	46	5.917	15.723	21.640
106	Current	13	8.031	22.085	30.117	26	Potential	46	12.813	15.723	28.536
107	Current	13	20.095	22.085	42.180	27	Potential	46	15.840	15.723	31.563
108	Current	13	16.914	22.085	39.000	28	Potential	46	6.265	15.723	21.988
109	Current	13	10.008	22.085	32.093	29	Potential	46	13.570	15.723	29.293
110	Current	13	8.719	22.085	30.804	30	Potential	46	11.916	15.723	27.638
111	Current	13	21.732	22.085	43.818	31	Potential	46	18.323	15.723	34.046
112	Current	13	4.480	22.085	26.566	32	Potential	46	17.573	15.723	33.295
113	Current	13	4.639	22.085	26.725	33	Potential	46	9.421	15.723	25.143
114	Current	13	11.102	22.085	33.188	43	Potential	46	19.905	15.723	35.628
115	Current	13	19.305	22.085	41.391	44	Potential	46	17.280	15.723	33.002
111	Current	14	10.789	35.628	46.417	45	Potential	46	14.907	15.723	30.629
114	Current	14	10.998	35.628	46.626	46	Potential	46	16.870	15.723	32.592
104	Current	15	2.459	43.345	45.804	47	Potential	46	25.695	15.723	41.418
43	Potential	16	16.707	28.731	45.438	48	Potential	46	21.373	15.723	37.096
46	Potential	16	12.667	28.731	41.399	49	Potential	46	21.198	15.723	36.920
47	Potential	16	11.162	28.731	39.894	50	Potential	46	23.634	15.723	39.357
48	Potential	16	5.901	28.731	34.633	51	Current	46	8.871	15.723	24.593
49	Potential	16	13.549	28.731	42.281	52	Current	46	7.456	15.723	23.179
50	Potential	16	5.453	28.731	34.185	53	Current	46	2.291	15.723	18.014
103	Current	16	10.886	28.731	39.617	54	Current	46	6.928	15.723	22.650
105	Current	16	11.652	28.731	40.383	55	Current	46	13.647	15.723	29.370
106	Current	16	17.886	28.731	46.618	56	Current	46	13.906	15.723	29.629
108	Current	16	7.577	28.731	36.309	57	Current	46	20.413	15.723	36.136
109	Current	16	15.675	28.731	44.406	58	Current	46	13.105	15.723	28.827
110	Current	16	14.234	28.731	42.965	59	Current	46	12.054	15.723	27.777
111	Current	16	16.880	28.731	45.611	60	Current	46	15.193	15.723	30.915
112	Current	16	12.907	28.731	41.638	61	Current	46	22.115	15.723	37.838
113	Current	16	15.592	28.731	44.323	62	Current	46	22.432	15.723	38.155
114	Current	16	8.341	28.731	37.072	63	Current	46	20.486	15.723	36.209
115	Current	16	16.665	28.731	45.396	64	Current	46	5.809	15.723	21.532
40	Potential	17	13.728	33.084	46.812	65	Current	46	12.173	15.723	27.896
91	Current	17	2.872	33.084	35.956	71	Current	46	18.080	15.723	33.802
92	Current	17	2.731	33.084	35.815	72	Current	46	17.069	15.723	32.791
93	Current	17	3.801	33.084	36.885	73	Current	46	15.304	15.723	31.027
95	Current	17	8.946	33.084	42.030	74	Current	46	17.849	15.723	33.571
97	Current	17	13.405	33.084	46.490	75	Current	46	15.838	15.723	31.560
39	Potential	18	11.907	33.932	45.838	77	Current	46	12.796	15.723	28.519
40	Potential	18	10.336	33.932	44.268	78	Current	46	13.149	15.723	28.871
91	Current	18	6.634	33.932	40.565	79	Current	46	14.559	15.723	30.281
92	Current	18	6.450	33.932	40.381	80	Current	46	8.888	15.723	24.610

93	Current	18	8.257	33.932	42.188	81	Current	46	12.013	15.723	27.736
95	Current	18	8.530	33.932	42.462	82	Current	46	7.388	15.723	23.111
1	Potential	20	14.558	17.930	32.488	83	Current	46	9.833	15.723	25.556
2	Potential	20	19.559	17.930	37.489	84	Current	46	13.986	15.723	29.708
3	Potential	20	10.107	17.930	28.037	85	Current	46	23.154	15.723	38.877
4	Potential	20	25.342	17.930	43.272	86	Current	46	17.805	15.723	33.528
5	Potential	20	25.578	17.930	43.508	87	Current	46	17.458	15.723	33.181
6	Potential	20	27.320	17.930	45.250	88	Current	46	19.425	15.723	35.148
7	Potential	20	21.898	17.930	39.828	89	Current	46	14.553	15.723	30.275
8	Potential	20	19.564	17.930	37.494	91	Current	46	30.937	15.723	46.660
9	Potential	20	26.057	17.930	43.987	94	Current	46	23.386	15.723	39.109
10	Potential	20	28.886	17.930	46.816	95	Current	46	29.378	15.723	45.101
14	Potential	20	21.002	17.930	38.932	99	Current	46	26.991	15.723	42.714
15	Potential	20	20.519	17.930	38.449	100	Current	46	16.764	15.723	32.487
18	Potential	20	7.264	17.930	25.194	101	Current	46	14.693	15.723	30.416
19	Potential	20	23.685	17.930	41.616	102	Current	46	14.918	15.723	30.641
20	Potential	20	13.305	17.930	31.235	103	Current	46	17.020	15.723	32.742
22	Potential	20	18.443	17.930	36.373	105	Current	46	20.159	15.723	35.882
23	Potential	20	26.075	17.930	44.005	106	Current	46	9.957	15.723	25.680
25	Potential	20	23.073	17.930	41.003	107	Current	46	28.364	15.723	44.086
26	Potential	20	19.259	17.930	37.190	108	Current	46	21.922	15.723	37.645
28	Potential	20	23.702	17.930	41.633	109	Current	46	12.749	15.723	28.472
29	Potential	20	19.010	17.930	36.940	110	Current	46	14.864	15.723	30.586
32	Potential	20	10.719	17.930	28.649	111	Current	46	31.040	15.723	46.763
33	Potential	20	24.150	17.930	42.080	112	Current	46	12.479	15.723	28.201
37	Potential	20	27.188	17.930	45.118	113	Current	46	10.170	15.723	25.892
38	Potential	20	21.566	17.930	39.496	114	Current	46	20.314	15.723	36.037
39	Potential	20	26.382	17.930	44.312	115	Current	46	19.740	15.723	35.463
40	Potential	20	24.811	17.930	42.741	1	Potential	47	14.615	13.937	28.552
51	Current	20	22.330	17.930	40.260	2	Potential	47	9.315	13.937	23.252
52	Current	20	22.318	17.930	40.248	3	Potential	47	20.202	13.937	34.139
53	Current	20	26.158	17.930	44.088	4	Potential	47	13.029	13.937	26.966
54	Current	20	24.365	17.930	42.295	5	Potential	47	14.311	13.937	28.248
58	Current	20	18.545	17.930	36.475	6	Potential	47	18.317	13.937	32.254
59	Current	20	18.501	17.930	36.431	7	Potential	47	14.163	13.937	28.100
60	Current	20	13.224	17.930	31.154	8	Potential	47	7.145	13.937	21.082
61	Current	20	11.267	17.930	29.197	9	Potential	47	18.567	13.937	32.504
62	Current	20	8.371	17.930	26.301	10	Potential	47	15.710	13.937	29.647
64	Current	20	26.158	17.930	44.088	11	Potential	47	20.871	13.937	34.808
65	Current	20	23.662	17.930	41.592	12	Potential	47	18.675	13.937	32.612
66	Current	20	28.017	17.930	45.948	13	Potential	47	15.136	13.937	29.073
68	Current	20	27.912	17.930	45.842	14	Potential	47	12.090	13.937	26.027
69	Current	20	26.499	17.930	44.429	15	Potential	47	9.759	13.937	23.696
70	Current	20	28.797	17.930	46.727	16	Potential	47	13.591	13.937	27.528
74	Current	20	23.742	17.930	41.672	17	Potential	47	16.154	13.937	30.091
75	Current	20	24.724	17.930	42.654	18	Potential	47	20.236	13.937	34.173
77	Current	20	24.149	17.930	42.079	19	Potential	47	10.511	13.937	24.448
78	Current	20	20.855	17.930	38.786	20	Potential	47	13.692	13.937	27.629
79	Current	20	17.989	17.930	35.919	21	Potential	47	21.197	13.937	35.134
80	Current	20	25.821	17.930	43.751	22	Potential	47	10.432	13.937	24.369
81	Current	20	20.358	17.930	38.288	23	Potential	47	6.313	13.937	20.250
82	Current	20	26.836	17.930	44.767	24	Potential	47	12.831	13.937	26.768
83	Current	20	20.386	17.930	38.317	25	Potential	47	1.314	13.937	15.251
84	Current	20	18.430	17.930	36.361	26	Potential	47	10.242	13.937	24.179

85	Current	20	10.354	17.930	28.284	27	Potential	47	14.295	13.937	28.232
86	Current	20	15.475	17.930	33.405	28	Potential	47	5.069	13.937	19.006
87	Current	20	14.202	17.930	32.132	29	Potential	47	10.999	13.937	24.936
88	Current	20	11.894	17.930	29.824	30	Potential	47	13.045	13.937	26.982
89	Current	20	16.738	17.930	34.668	31	Potential	47	16.777	13.937	30.714
91	Current	20	20.718	17.930	38.648	32	Potential	47	15.002	13.937	28.939
92	Current	20	21.184	17.930	39.114	33	Potential	47	6.850	13.937	20.787
93	Current	20	20.272	17.930	38.202	40	Potential	47	31.932	13.937	45.869
94	Current	20	4.950	17.930	22.881	43	Potential	47	23.513	13.937	37.450
95	Current	20	19.686	17.930	37.617	44	Potential	47	20.888	13.937	34.825
98	Current	20	16.166	17.930	34.097	45	Potential	47	18.515	13.937	32.452
99	Current	20	8.737	17.930	26.667	46	Potential	47	20.478	13.937	34.415
37	Potential	21	12.837	34.094	46.932	47	Potential	47	29.303	13.937	43.240
38	Potential	21	5.422	34.094	39.517	48	Potential	47	24.981	13.937	38.918
66	Current	21	12.068	34.094	46.162	49	Potential	47	24.806	13.937	38.743
69	Current	21	10.549	34.094	44.644	50	Potential	47	27.242	13.937	41.179
98	Current	21	7.683	34.094	41.778	51	Current	47	6.574	13.937	20.511
91	Current	24	6.152	35.414	41.566	52	Current	47	2.280	13.937	16.217
92	Current	24	6.204	35.414	41.618	53	Current	47	5.918	13.937	19.855
93	Current	24	5.366	35.414	40.780	54	Current	47	5.731	13.937	19.668
1	Potential	25	16.282	28.517	44.799	55	Current	47	12.451	13.937	26.388
20	Potential	25	12.853	28.517	41.370	56	Current	47	15.035	13.937	28.972
32	Potential	25	14.913	28.517	43.430	57	Current	47	18.868	13.937	32.805
38	Potential	25	14.835	28.517	43.351	58	Current	47	10.534	13.937	24.471
39	Potential	25	9.575	28.517	38.091	59	Current	47	9.483	13.937	23.420
40	Potential	25	8.004	28.517	36.521	60	Current	47	12.622	13.937	26.559
60	Current	25	14.182	28.517	42.699	61	Current	47	19.483	13.937	33.420
68	Current	25	11.104	28.517	39.621	62	Current	47	19.861	13.937	33.798
70	Current	25	11.989	28.517	40.506	63	Current	47	17.915	13.937	31.852
87	Current	25	15.160	28.517	43.677	64	Current	47	7.524	13.937	21.461
91	Current	25	5.117	28.517	33.634	65	Current	47	9.602	13.937	23.539
92	Current	25	5.649	28.517	34.166	71	Current	47	21.688	13.937	35.625
93	Current	25	6.516	28.517	35.032	72	Current	47	20.677	13.937	34.614
95	Current	25	4.125	28.517	32.642	73	Current	47	18.912	13.937	32.849
97	Current	25	18.390	28.517	46.907	74	Current	47	19.745	13.937	33.682
98	Current	25	11.193	28.517	39.710	75	Current	47	17.234	13.937	31.171
99	Current	25	14.483	28.517	43.000	77	Current	47	14.629	13.937	28.566
1	Potential	26	10.718	4.878	15.596	78	Current	47	11.944	13.937	25.881
2	Potential	26	6.936	4.878	11.814	79	Current	47	12.781	13.937	26.718
3	Potential	26	12.100	4.878	16.978	80	Current	47	12.496	13.937	26.433
4	Potential	26	4.807	4.878	9.685	81	Current	47	9.944	13.937	23.881
5	Potential	26	6.223	4.878	11.101	82	Current	47	10.996	13.937	24.933
6	Potential	26	9.662	4.878	14.540	83	Current	47	7.732	13.937	21.669
7	Potential	26	5.173	4.878	10.051	84	Current	47	10.233	13.937	24.171
8	Potential	26	7.151	4.878	12.030	85	Current	47	20.450	13.937	34.387
9	Potential	26	9.577	4.878	14.455	86	Current	47	14.053	13.937	27.990
10	Potential	26	10.679	4.878	15.557	87	Current	47	14.887	13.937	28.824
11	Potential	26	16.007	4.878	20.886	88	Current	47	16.854	13.937	30.791
12	Potential	26	13.811	4.878	18.689	89	Current	47	11.982	13.937	25.919
13	Potential	26	10.422	4.878	15.300	91	Current	47	28.366	13.937	42.303
14	Potential	26	3.100	4.878	7.978	92	Current	47	28.832	13.937	42.769
15	Potential	26	0.730	4.878	5.608	93	Current	47	28.737	13.937	42.674
16	Potential	26	8.727	4.878	13.605	94	Current	47	20.815	13.937	34.752
17	Potential	26	11.123	4.878	16.001	95	Current	47	26.807	13.937	40.744

18	Potential	26	13.950	4.878	18.828	99	Current	47	24.420	13.937	38.357
19	Potential	26	14.984	4.878	19.862	100	Current	47	20.372	13.937	34.309
20	Potential	26	12.751	4.878	17.629	101	Current	47	18.301	13.937	32.238
21	Potential	26	25.671	4.878	30.549	102	Current	47	18.526	13.937	32.463
22	Potential	26	15.693	4.878	20.571	103	Current	47	20.628	13.937	34.565
23	Potential	26	10.119	4.878	14.997	104	Current	47	32.438	13.937	46.375
24	Potential	26	18.388	4.878	23.266	105	Current	47	23.767	13.937	37.704
25	Potential	26	9.030	4.878	13.908	106	Current	47	13.565	13.937	27.502
26	Potential	26	13.632	4.878	18.510	107	Current	47	29.369	13.937	43.306
27	Potential	26	18.768	4.878	23.646	108	Current	47	25.530	13.937	39.467
28	Potential	26	12.045	4.878	16.923	109	Current	47	16.357	13.937	30.294
29	Potential	26	16.260	4.878	21.138	110	Current	47	18.472	13.937	32.409
30	Potential	26	18.393	4.878	23.271	112	Current	47	16.087	13.937	30.024
31	Potential	26	21.251	4.878	26.129	113	Current	47	13.778	13.937	27.715
32	Potential	26	15.038	4.878	19.916	114	Current	47	23.922	13.937	37.859
33	Potential	26	11.323	4.878	16.202	115	Current	47	23.348	13.937	37.285
37	Potential	26	40.048	4.878	44.926	1	Potential	48	8.790	16.865	25.655
38	Potential	26	34.425	4.878	39.304	2	Potential	48	7.586	16.865	24.451
39	Potential	26	32.971	4.878	37.849	3	Potential	48	17.934	16.865	34.799
40	Potential	26	31.401	4.878	36.279	4	Potential	48	17.437	16.865	34.301
43	Potential	26	18.649	4.878	23.527	5	Potential	48	18.852	16.865	35.717
44	Potential	26	16.024	4.878	20.902	6	Potential	48	22.384	16.865	39.249
45	Potential	26	13.651	4.878	18.529	7	Potential	48	18.198	16.865	35.063
46	Potential	26	15.915	4.878	20.793	8	Potential	48	11.640	16.865	28.504
47	Potential	26	24.439	4.878	29.317	9	Potential	48	22.602	16.865	39.466
48	Potential	26	20.118	4.878	24.996	10	Potential	48	21.763	16.865	38.628
49	Potential	26	19.942	4.878	24.820	11	Potential	48	26.924	16.865	43.789
50	Potential	26	22.379	4.878	27.257	12	Potential	48	24.728	16.865	41.593
51	Current	26	6.685	4.878	11.563	13	Potential	48	21.189	16.865	38.054
52	Current	26	7.544	4.878	12.422	14	Potential	48	16.125	16.865	32.990
53	Current	26	9.490	4.878	14.368	15	Potential	48	13.794	16.865	30.659
54	Current	26	12.708	4.878	17.586	16	Potential	48	19.644	16.865	36.509
55	Current	26	17.047	4.878	21.925	17	Potential	48	22.207	16.865	39.072
56	Current	26	20.384	4.878	25.262	18	Potential	48	15.084	16.865	31.949
57	Current	26	23.341	4.878	28.219	19	Potential	48	10.786	16.865	27.651
58	Current	26	15.794	4.878	20.673	20	Potential	48	8.540	16.865	25.405
59	Current	26	12.751	4.878	17.629	21	Potential	48	25.423	16.865	42.288
60	Current	26	13.949	4.878	18.827	22	Potential	48	5.544	16.865	22.409
61	Current	26	14.859	4.878	19.737	23	Potential	48	11.869	16.865	28.734
62	Current	26	14.793	4.878	19.671	24	Potential	48	18.140	16.865	35.004
63	Current	26	22.389	4.878	27.267	25	Potential	48	8.867	16.865	25.732
64	Current	26	14.120	4.878	18.998	26	Potential	48	0.076	16.865	16.940
65	Current	26	14.076	4.878	18.954	27	Potential	48	18.520	16.865	35.385
66	Current	26	38.326	4.878	43.204	28	Potential	48	11.031	16.865	27.896
68	Current	26	34.501	4.878	39.379	29	Potential	48	6.111	16.865	22.975
69	Current	26	39.359	4.878	44.237	30	Potential	48	18.145	16.865	35.010
70	Current	26	35.386	4.878	40.264	31	Potential	48	21.003	16.865	37.868
71	Current	26	13.033	4.878	17.911	32	Potential	48	9.850	16.865	26.715
72	Current	26	13.642	4.878	18.521	33	Potential	48	11.075	16.865	27.940
73	Current	26	14.048	4.878	18.926	39	Potential	48	28.351	16.865	45.216
74	Current	26	10.755	4.878	15.633	40	Potential	48	26.780	16.865	43.645
75	Current	26	8.244	4.878	13.122	43	Potential	48	29.566	16.865	46.431
77	Current	26	5.942	4.878	10.820	44	Potential	48	26.941	16.865	43.806
78	Current	26	2.954	4.878	7.832	45	Potential	48	24.568	16.865	41.433

79	Current	26	3.752	4.878	8.630	46	Potential	48	26.294	16.865	43.159
80	Current	26	5.286	4.878	10.164	51	Current	48	12.381	16.865	29.246
81	Current	26	0.915	4.878	5.793	52	Current	48	8.112	16.865	24.977
82	Current	26	6.283	4.878	11.161	53	Current	48	11.952	16.865	28.817
83	Current	26	6.795	4.878	11.673	54	Current	48	11.693	16.865	28.558
84	Current	26	5.610	4.878	10.488	55	Current	48	16.799	16.865	33.664
85	Current	26	12.347	4.878	17.225	56	Current	48	20.135	16.865	37.000
86	Current	26	8.718	4.878	13.596	57	Current	48	23.093	16.865	39.958
87	Current	26	10.990	4.878	15.868	58	Current	48	5.645	16.865	22.510
88	Current	26	12.647	4.878	17.525	59	Current	48	2.068	16.865	18.933
89	Current	26	8.971	4.878	13.849	60	Current	48	7.470	16.865	24.335
91	Current	26	27.834	4.878	32.713	61	Current	48	13.383	16.865	30.248
92	Current	26	28.300	4.878	33.179	62	Current	48	14.709	16.865	31.574
93	Current	26	28.206	4.878	33.084	63	Current	48	17.624	16.865	34.489
94	Current	26	15.943	4.878	20.821	64	Current	48	13.487	16.865	30.352
95	Current	26	26.276	4.878	31.154	65	Current	48	10.763	16.865	27.628
97	Current	26	41.042	4.878	45.920	68	Current	48	29.881	16.865	46.746
98	Current	26	29.026	4.878	33.904	71	Current	48	25.755	16.865	42.620
99	Current	26	21.597	4.878	26.475	72	Current	48	26.365	16.865	43.229
100	Current	26	15.508	4.878	20.386	73	Current	48	24.965	16.865	41.830
101	Current	26	13.588	4.878	18.466	74	Current	48	22.973	16.865	39.838
102	Current	26	13.663	4.878	18.541	75	Current	48	21.269	16.865	38.134
103	Current	26	20.405	4.878	25.283	77	Current	48	18.664	16.865	35.529
104	Current	26	36.911	4.878	41.789	78	Current	48	15.979	16.865	32.844
105	Current	26	18.903	4.878	23.781	79	Current	48	16.816	16.865	33.681
106	Current	26	11.009	4.878	15.888	80	Current	48	17.916	16.865	34.781
107	Current	26	33.842	4.878	38.721	81	Current	48	13.979	16.865	30.844
108	Current	26	20.667	4.878	25.545	82	Current	48	17.050	16.865	33.914
109	Current	26	11.494	4.878	16.372	83	Current	48	12.462	16.865	29.327
110	Current	26	13.608	4.878	18.486	84	Current	48	9.407	16.865	26.272
111	Current	26	34.426	4.878	39.304	85	Current	48	18.181	16.865	35.046
112	Current	26	15.864	4.878	20.743	86	Current	48	11.266	16.865	28.131
113	Current	26	14.281	4.878	19.159	87	Current	48	9.062	16.865	25.927
114	Current	26	23.700	4.878	28.578	88	Current	48	11.029	16.865	27.894
115	Current	26	18.484	4.878	23.363	89	Current	48	4.666	16.865	21.530
1	Potential	27	12.968	6.053	19.021	91	Current	48	23.214	16.865	40.079
2	Potential	27	9.186	6.053	15.239	92	Current	48	23.680	16.865	40.545
3	Potential	27	12.770	6.053	18.823	93	Current	48	23.585	16.865	40.450
4	Potential	27	6.196	6.053	12.249	94	Current	48	15.664	16.865	32.528
5	Potential	27	4.986	6.053	11.039	95	Current	48	21.656	16.865	38.521
6	Potential	27	7.646	6.053	13.699	98	Current	48	28.724	16.865	45.589
7	Potential	27	2.775	6.053	8.828	99	Current	48	19.268	16.865	36.133
8	Potential	27	8.484	6.053	14.537	100	Current	48	26.425	16.865	43.290
9	Potential	27	7.178	6.053	13.231	101	Current	48	24.355	16.865	41.220
10	Potential	27	8.662	6.053	14.715	102	Current	48	24.580	16.865	41.444
11	Potential	27	15.721	6.053	21.774	103	Current	48	26.444	16.865	43.309
12	Potential	27	13.250	6.053	19.303	105	Current	48	29.820	16.865	46.685
13	Potential	27	9.079	6.053	15.132	106	Current	48	19.619	16.865	36.483
14	Potential	27	0.460	6.053	6.513	109	Current	48	22.411	16.865	39.276
15	Potential	27	2.794	6.053	8.847	110	Current	48	24.525	16.865	41.390
16	Potential	27	10.758	6.053	16.811	112	Current	48	21.903	16.865	38.768
17	Potential	27	9.106	6.053	15.159	113	Current	48	19.594	16.865	36.459
18	Potential	27	14.620	6.053	20.673	114	Current	48	29.738	16.865	46.603
19	Potential	27	17.234	6.053	23.287	115	Current	48	29.401	16.865	46.266

20	Potential	27	15.001	6.053	21.054	1	Potential	50	9.351	20.299	29.650
21	Potential	27	27.921	6.053	33.974	2	Potential	50	12.351	20.299	32.650
22	Potential	27	17.943	6.053	23.996	3	Potential	50	18.098	20.299	38.397
23	Potential	27	12.058	6.053	18.111	4	Potential	50	20.019	20.299	40.317
24	Potential	27	20.638	6.053	26.691	5	Potential	50	21.435	20.299	41.733
25	Potential	27	11.280	6.053	17.333	6	Potential	50	24.485	20.299	44.784
26	Potential	27	15.883	6.053	21.936	7	Potential	50	20.780	20.299	41.079
27	Potential	27	21.019	6.053	27.072	8	Potential	50	13.762	20.299	34.060
28	Potential	27	13.425	6.053	19.478	9	Potential	50	25.184	20.299	45.482
29	Potential	27	18.510	6.053	24.563	10	Potential	50	21.999	20.299	42.298
30	Potential	27	20.644	6.053	26.697	11	Potential	50	26.212	20.299	46.510
31	Potential	27	23.501	6.053	29.554	12	Potential	50	24.015	20.299	44.314
32	Potential	27	17.288	6.053	23.341	13	Potential	50	22.150	20.299	42.449
33	Potential	27	13.574	6.053	19.627	14	Potential	50	18.707	20.299	39.006
37	Potential	27	40.718	6.053	46.771	15	Potential	50	16.377	20.299	36.675
38	Potential	27	35.096	6.053	41.149	16	Potential	50	18.931	20.299	39.230
39	Potential	27	35.222	6.053	41.275	17	Potential	50	22.443	20.299	42.742
40	Potential	27	33.651	6.053	39.704	18	Potential	50	14.801	20.299	35.100
43	Potential	27	20.680	6.053	26.733	19	Potential	50	7.768	20.299	28.067
44	Potential	27	18.055	6.053	24.108	20	Potential	50	8.070	20.299	28.368
45	Potential	27	15.682	6.053	21.734	21	Potential	50	25.617	20.299	45.915
46	Potential	27	17.945	6.053	23.998	22	Potential	50	2.526	20.299	22.825
47	Potential	27	26.470	6.053	32.523	23	Potential	50	13.334	20.299	33.632
48	Potential	27	22.148	6.053	28.201	24	Potential	50	18.333	20.299	38.632
49	Potential	27	21.973	6.053	28.026	25	Potential	50	10.734	20.299	31.033
50	Potential	27	24.409	6.053	30.462	26	Potential	50	7.592	20.299	27.890
51	Current	27	8.090	6.053	14.143	27	Potential	50	17.816	20.299	38.114
52	Current	27	9.794	6.053	15.847	28	Potential	50	10.821	20.299	31.120
53	Current	27	11.177	6.053	17.230	29	Potential	50	3.093	20.299	23.391
54	Current	27	14.088	6.053	20.141	30	Potential	50	18.194	20.299	38.493
55	Current	27	19.298	6.053	25.351	31	Potential	50	20.781	20.299	41.079
56	Current	27	22.634	6.053	28.687	32	Potential	50	9.379	20.299	29.678
57	Current	27	25.592	6.053	31.645	33	Potential	50	11.269	20.299	31.567
58	Current	27	18.045	6.053	24.098	40	Potential	50	26.310	20.299	46.608
59	Current	27	15.002	6.053	21.055	44	Potential	50	26.228	20.299	46.526
60	Current	27	16.199	6.053	22.252	45	Potential	50	23.855	20.299	44.153
61	Current	27	17.109	6.053	23.162	46	Potential	50	25.368	20.299	45.666
62	Current	27	15.464	6.053	21.516	51	Current	50	14.248	20.299	34.547
63	Current	27	24.639	6.053	30.692	52	Current	50	9.980	20.299	30.278
64	Current	27	15.830	6.053	21.883	53	Current	50	13.417	20.299	33.716
65	Current	27	16.326	6.053	22.379	54	Current	50	11.484	20.299	31.782
66	Current	27	36.442	6.053	42.495	55	Current	50	14.305	20.299	34.603
68	Current	27	36.751	6.053	42.804	56	Current	50	20.185	20.299	40.483
69	Current	27	40.029	6.053	46.082	57	Current	50	22.871	20.299	43.170
70	Current	27	37.636	6.053	43.689	58	Current	50	2.627	20.299	22.926
71	Current	27	10.794	6.053	16.847	59	Current	50	6.833	20.299	27.132
72	Current	27	11.626	6.053	17.679	60	Current	50	6.999	20.299	27.298
73	Current	27	13.487	6.053	19.540	61	Current	50	14.109	20.299	34.408
74	Current	27	8.356	6.053	14.409	62	Current	50	14.426	20.299	34.725
75	Current	27	5.845	6.053	11.898	63	Current	50	14.606	20.299	34.905
77	Current	27	3.925	6.053	9.978	64	Current	50	13.277	20.299	33.576
78	Current	27	0.555	6.053	6.608	65	Current	50	7.745	20.299	28.043
79	Current	27	4.601	6.053	10.654	73	Current	50	24.252	20.299	44.551
80	Current	27	6.675	6.053	12.728	74	Current	50	26.335	20.299	46.633

81	Current	27	2.633	6.053	8.686	75	Current	50	23.851	20.299	44.150
82	Current	27	8.313	6.053	14.366	77	Current	50	21.246	20.299	41.545
83	Current	27	7.704	6.053	13.757	78	Current	50	18.561	20.299	38.860
84	Current	27	7.860	6.053	13.913	79	Current	50	19.398	20.299	39.697
85	Current	27	13.017	6.053	19.070	80	Current	50	19.684	20.299	39.983
86	Current	27	9.388	6.053	15.441	81	Current	50	16.561	20.299	36.860
87	Current	27	13.240	6.053	19.293	82	Current	50	18.185	20.299	38.484
88	Current	27	14.897	6.053	20.950	83	Current	50	14.349	20.299	34.648
89	Current	27	11.221	6.053	17.274	84	Current	50	13.868	20.299	34.167
91	Current	27	30.085	6.053	36.138	85	Current	50	18.346	20.299	38.644
92	Current	27	30.551	6.053	36.604	86	Current	50	14.628	20.299	34.927
93	Current	27	30.456	6.053	36.509	87	Current	50	9.623	20.299	29.922
94	Current	27	16.613	6.053	22.666	88	Current	50	11.590	20.299	31.889
95	Current	27	28.526	6.053	34.579	89	Current	50	9.431	20.299	29.729
98	Current	27	29.697	6.053	35.749	91	Current	50	22.744	20.299	43.042
99	Current	27	22.267	6.053	28.320	92	Current	50	23.210	20.299	43.508
100	Current	27	17.539	6.053	23.592	93	Current	50	23.115	20.299	43.413
101	Current	27	15.567	6.053	21.620	94	Current	50	15.381	20.299	35.679
102	Current	27	15.693	6.053	21.746	95	Current	50	21.185	20.299	41.483
103	Current	27	22.436	6.053	28.489	99	Current	50	18.985	20.299	39.284
104	Current	27	39.162	6.053	45.215	100	Current	50	25.712	20.299	46.011
105	Current	27	20.934	6.053	26.987	101	Current	50	24.012	20.299	44.311
106	Current	27	13.040	6.053	19.093	102	Current	50	23.867	20.299	44.165
107	Current	27	36.093	6.053	42.146	103	Current	50	25.518	20.299	45.816
108	Current	27	22.697	6.053	28.750	106	Current	50	19.089	20.299	39.388
109	Current	27	13.524	6.053	19.577	109	Current	50	21.945	20.299	42.243
110	Current	27	15.638	6.053	21.691	110	Current	50	24.059	20.299	44.357
111	Current	27	36.457	6.053	42.510	112	Current	50	20.977	20.299	41.275
112	Current	27	17.895	6.053	23.948	113	Current	50	18.667	20.299	38.966
113	Current	27	16.312	6.053	22.365	1	Potential	51	11.690	23.000	34.690
114	Current	27	25.730	6.053	31.783	2	Potential	51	14.602	23.000	37.603
115	Current	27	20.515	6.053	26.568	3	Potential	51	20.608	23.000	43.608
1	Potential	28	11.213	8.655	19.868	4	Potential	51	22.270	23.000	45.270
2	Potential	28	7.431	8.655	16.086	5	Potential	51	23.685	23.000	46.686
3	Potential	28	12.698	8.655	21.354	7	Potential	51	23.031	23.000	46.032
4	Potential	28	5.241	8.655	13.897	8	Potential	51	16.013	23.000	39.013
5	Potential	28	6.657	8.655	15.313	14	Potential	51	20.958	23.000	43.959
6	Potential	28	10.188	8.655	18.844	15	Potential	51	18.627	23.000	41.628
7	Potential	28	6.063	8.655	14.719	16	Potential	51	21.182	23.000	44.183
8	Potential	28	7.647	8.655	16.302	18	Potential	51	17.311	23.000	40.311
9	Potential	28	10.467	8.655	19.122	19	Potential	51	7.714	23.000	30.715
10	Potential	28	11.205	8.655	19.860	20	Potential	51	10.772	23.000	33.772
11	Potential	28	16.442	8.655	25.097	22	Potential	51	3.441	23.000	26.442
12	Potential	28	14.246	8.655	22.901	23	Potential	51	15.585	23.000	38.585
13	Potential	28	10.856	8.655	19.511	24	Potential	51	20.323	23.000	43.324
14	Potential	28	3.990	8.655	12.646	25	Potential	51	12.985	23.000	35.985
15	Potential	28	1.620	8.655	10.276	26	Potential	51	9.843	23.000	32.843
16	Potential	28	9.161	8.655	17.817	27	Potential	51	17.762	23.000	40.762
17	Potential	28	11.649	8.655	20.304	28	Potential	51	13.072	23.000	36.073
18	Potential	28	14.549	8.655	23.204	29	Potential	51	2.874	23.000	25.875
19	Potential	28	15.479	8.655	24.135	30	Potential	51	18.140	23.000	41.141
20	Potential	28	13.246	8.655	21.902	31	Potential	51	20.727	23.000	43.727
21	Potential	28	26.166	8.655	34.822	32	Potential	51	12.081	23.000	35.081
22	Potential	28	16.188	8.655	24.844	33	Potential	51	13.520	23.000	36.520

23	Potential	28	10.553	8.655	19.209	51	Current	51	16.499	23.000	39.500
24	Potential	28	18.883	8.655	27.538	52	Current	51	12.230	23.000	35.231
25	Potential	28	9.525	8.655	18.181	53	Current	51	15.668	23.000	38.669
26	Potential	28	14.128	8.655	22.783	54	Current	51	13.735	23.000	36.735
27	Potential	28	19.264	8.655	27.919	55	Current	51	14.251	23.000	37.251
28	Potential	28	12.540	8.655	21.196	56	Current	51	20.131	23.000	43.131
29	Potential	28	16.755	8.655	25.410	57	Current	51	22.817	23.000	45.818
30	Potential	28	18.889	8.655	27.544	58	Current	51	3.340	23.000	26.340
31	Potential	28	21.746	8.655	30.402	59	Current	51	9.084	23.000	32.085
32	Potential	28	15.533	8.655	24.188	60	Current	51	9.701	23.000	32.702
33	Potential	28	11.819	8.655	20.474	61	Current	51	16.619	23.000	39.619
38	Potential	28	35.024	8.655	43.680	62	Current	51	16.936	23.000	39.936
39	Potential	28	33.467	8.655	42.122	63	Current	51	14.552	23.000	37.553
40	Potential	28	31.896	8.655	40.551	64	Current	51	15.528	23.000	38.528
43	Potential	28	19.083	8.655	27.739	65	Current	51	7.691	23.000	30.691
44	Potential	28	16.458	8.655	25.113	77	Current	51	23.497	23.000	46.498
45	Potential	28	14.085	8.655	22.740	78	Current	51	20.812	23.000	43.812
46	Potential	28	16.349	8.655	25.004	79	Current	51	21.649	23.000	44.650
47	Potential	28	24.873	8.655	33.529	80	Current	51	21.935	23.000	44.936
48	Potential	28	20.552	8.655	29.207	81	Current	51	18.812	23.000	41.813
49	Potential	28	20.376	8.655	29.032	82	Current	51	20.436	23.000	43.436
50	Potential	28	22.813	8.655	31.468	83	Current	51	16.600	23.000	39.601
51	Current	28	7.180	8.655	15.835	84	Current	51	16.342	23.000	39.342
52	Current	28	8.039	8.655	16.695	85	Current	51	20.855	23.000	43.856
53	Current	28	9.924	8.655	18.579	86	Current	51	17.117	23.000	40.117
54	Current	28	13.203	8.655	21.858	87	Current	51	11.962	23.000	34.962
55	Current	28	17.543	8.655	26.198	88	Current	51	13.929	23.000	36.929
56	Current	28	20.879	8.655	29.534	89	Current	51	11.682	23.000	34.682
57	Current	28	23.836	8.655	32.492	94	Current	51	17.890	23.000	40.891
58	Current	28	16.290	8.655	24.945	95	Current	51	23.887	23.000	46.887
59	Current	28	13.247	8.655	21.902	99	Current	51	21.495	23.000	44.495
60	Current	28	14.444	8.655	23.099	106	Current	51	21.340	23.000	44.341
61	Current	28	15.354	8.655	24.009	112	Current	51	23.227	23.000	46.228
62	Current	28	15.392	8.655	24.048	113	Current	51	20.918	23.000	43.919
63	Current	28	22.884	8.655	31.539	1	Potential	52	14.716	17.174	31.890
64	Current	28	14.554	8.655	23.209	2	Potential	52	12.384	17.174	29.559
65	Current	28	14.571	8.655	23.227	3	Potential	52	23.272	17.174	40.446
68	Current	28	34.996	8.655	43.652	4	Potential	52	14.010	17.174	31.184
70	Current	28	35.881	8.655	44.537	5	Potential	52	15.890	17.174	33.064
71	Current	28	13.559	8.655	22.214	6	Potential	52	18.917	17.174	36.092
72	Current	28	14.168	8.655	22.824	7	Potential	52	16.769	17.174	33.944
73	Current	28	14.483	8.655	23.138	8	Potential	52	10.214	17.174	27.389
74	Current	28	11.645	8.655	20.300	9	Potential	52	19.803	17.174	36.977
75	Current	28	9.134	8.655	17.789	10	Potential	52	16.432	17.174	33.606
77	Current	28	6.468	8.655	15.123	11	Potential	52	20.644	17.174	37.818
78	Current	28	3.844	8.655	12.499	12	Potential	52	18.447	17.174	35.622
79	Current	28	4.350	8.655	13.006	13	Potential	52	16.072	17.174	33.247
80	Current	28	5.721	8.655	14.376	14	Potential	52	14.696	17.174	31.870
81	Current	28	1.805	8.655	10.460	15	Potential	52	12.829	17.174	30.003
82	Current	28	6.717	8.655	15.372	16	Potential	52	13.363	17.174	30.538
83	Current	28	7.321	8.655	15.976	17	Potential	52	16.875	17.174	34.050
84	Current	28	6.105	8.655	14.760	18	Potential	52	20.337	17.174	37.512
85	Current	28	12.946	8.655	21.601	19	Potential	52	11.001	17.174	28.176
86	Current	28	9.316	8.655	17.972	20	Potential	52	14.122	17.174	31.297

87	Current	28	11.485	8.655	20.140	21	Potential	52	18.444	17.174	35.618
88	Current	28	13.142	8.655	21.798	22	Potential	52	10.091	17.174	27.265
89	Current	28	9.466	8.655	18.122	23	Potential	52	6.752	17.174	23.927
91	Current	28	28.330	8.655	36.985	24	Potential	52	9.391	17.174	26.565
92	Current	28	28.796	8.655	37.451	25	Potential	52	5.055	17.174	22.230
93	Current	28	28.701	8.655	37.356	26	Potential	52	12.130	17.174	29.305
94	Current	28	16.542	8.655	25.197	27	Potential	52	11.541	17.174	28.715
95	Current	28	26.771	8.655	35.426	28	Potential	52	1.493	17.174	18.668
98	Current	28	29.625	8.655	38.281	29	Potential	52	10.657	17.174	27.832
99	Current	28	22.195	8.655	30.851	30	Potential	52	9.605	17.174	26.779
100	Current	28	15.943	8.655	24.598	31	Potential	52	14.024	17.174	31.198
101	Current	28	14.022	8.655	22.677	32	Potential	52	16.425	17.174	33.599
102	Current	28	14.097	8.655	22.752	33	Potential	52	6.081	17.174	23.256
103	Current	28	20.840	8.655	29.495	43	Potential	52	23.285	17.174	40.460
104	Current	28	37.407	8.655	46.062	44	Potential	52	20.660	17.174	37.834
105	Current	28	19.337	8.655	27.993	45	Potential	52	18.287	17.174	35.461
106	Current	28	11.444	8.655	20.099	46	Potential	52	19.800	17.174	36.974
107	Current	28	34.338	8.655	42.993	47	Potential	52	29.322	17.174	46.497
108	Current	28	21.101	8.655	29.756	48	Potential	52	25.001	17.174	42.175
109	Current	28	11.928	8.655	20.583	49	Potential	52	24.825	17.174	42.000
110	Current	28	14.042	8.655	22.697	50	Potential	52	27.262	17.174	44.436
111	Current	28	34.860	8.655	43.515	51	Current	52	8.423	17.174	25.598
112	Current	28	16.299	8.655	24.954	52	Current	52	6.595	17.174	23.769
113	Current	28	14.715	8.655	23.371	53	Current	52	6.836	17.174	24.010
114	Current	28	24.134	8.655	32.789	54	Current	52	2.291	17.174	19.466
115	Current	28	18.919	8.655	27.574	55	Current	52	9.011	17.174	26.185
1	Potential	29	14.899	7.516	22.415	56	Current	52	11.595	17.174	28.770
2	Potential	29	11.117	7.516	18.633	57	Current	52	16.114	17.174	33.288
3	Potential	29	13.835	7.516	21.351	58	Current	52	10.192	17.174	27.367
4	Potential	29	8.127	7.516	15.643	59	Current	52	11.372	17.174	28.546
5	Potential	29	6.481	7.516	13.997	60	Current	52	14.045	17.174	31.219
6	Potential	29	6.010	7.516	13.525	61	Current	52	19.645	17.174	36.819
7	Potential	29	0.372	7.516	7.888	62	Current	52	19.962	17.174	37.136
8	Potential	29	10.416	7.516	17.931	63	Current	52	18.406	17.174	35.580
9	Potential	29	4.747	7.516	12.262	64	Current	52	4.207	17.174	21.382
10	Potential	29	8.562	7.516	16.077	65	Current	52	10.093	17.174	27.268
11	Potential	29	14.065	7.516	21.581	71	Current	52	22.288	17.174	39.462
12	Potential	29	12.881	7.516	20.397	72	Current	52	21.277	17.174	38.451
13	Potential	29	9.320	7.516	16.836	73	Current	52	18.684	17.174	35.859
14	Potential	29	2.425	7.516	9.941	74	Current	52	21.890	17.174	39.065
15	Potential	29	4.726	7.516	12.241	75	Current	52	19.840	17.174	37.014
16	Potential	29	10.876	7.516	18.392	77	Current	52	16.855	17.174	34.029
17	Potential	29	9.006	7.516	16.521	78	Current	52	14.550	17.174	31.724
18	Potential	29	15.685	7.516	23.201	79	Current	52	15.851	17.174	33.025
19	Potential	29	19.166	7.516	26.681	80	Current	52	13.432	17.174	30.607
20	Potential	29	16.933	7.516	24.448	81	Current	52	13.014	17.174	30.188
21	Potential	29	29.853	7.516	37.368	82	Current	52	11.933	17.174	29.108
22	Potential	29	19.875	7.516	27.390	83	Current	52	10.560	17.174	27.734
23	Potential	29	13.989	7.516	21.505	84	Current	52	13.303	17.174	30.477
24	Potential	29	22.569	7.516	30.085	85	Current	52	23.519	17.174	40.694
25	Potential	29	13.212	7.516	20.727	86	Current	52	17.123	17.174	34.297
26	Potential	29	17.814	7.516	25.330	87	Current	52	14.988	17.174	32.162
27	Potential	29	22.950	7.516	30.466	88	Current	52	16.955	17.174	34.129
28	Potential	29	15.357	7.516	22.872	89	Current	52	13.870	17.174	31.045

29	Potential	29	20.441	7.516	27.957	91	Current	52	29.206	17.174	46.380
30	Potential	29	22.575	7.516	30.091	92	Current	52	29.672	17.174	46.846
31	Potential	29	25.433	7.516	32.948	93	Current	52	29.577	17.174	46.751
32	Potential	29	19.219	7.516	26.735	94	Current	52	20.916	17.174	38.091
33	Potential	29	15.505	7.516	23.021	95	Current	52	27.647	17.174	44.822
38	Potential	29	36.161	7.516	43.677	99	Current	52	24.521	17.174	41.695
39	Potential	29	37.153	7.516	44.669	100	Current	52	20.144	17.174	37.319
40	Potential	29	35.582	7.516	43.098	101	Current	52	18.444	17.174	35.619
43	Potential	29	20.798	7.516	28.314	102	Current	52	18.299	17.174	35.473
44	Potential	29	18.172	7.516	25.688	103	Current	52	19.950	17.174	37.124
45	Potential	29	15.799	7.516	23.315	104	Current	52	29.122	17.174	46.296
46	Potential	29	19.877	7.516	27.392	105	Current	52	23.786	17.174	40.961
47	Potential	29	28.401	7.516	35.917	106	Current	52	13.522	17.174	30.696
48	Potential	29	24.080	7.516	31.595	107	Current	52	26.053	17.174	43.227
49	Potential	29	23.904	7.516	31.420	108	Current	52	25.550	17.174	42.724
50	Potential	29	26.341	7.516	33.856	109	Current	52	16.377	17.174	33.551
51	Current	29	10.021	7.516	17.537	110	Current	52	18.491	17.174	35.665
52	Current	29	11.726	7.516	19.241	112	Current	52	15.409	17.174	32.583
53	Current	29	13.108	7.516	20.624	113	Current	52	12.705	17.174	29.880
54	Current	29	16.019	7.516	23.535	114	Current	52	23.244	17.174	40.418
55	Current	29	21.229	7.516	28.745	115	Current	52	23.121	17.174	40.295
56	Current	29	24.565	7.516	32.081	1	Potential	53	14.637	17.379	32.017
57	Current	29	27.523	7.516	35.039	2	Potential	53	12.201	17.379	29.580
58	Current	29	19.976	7.516	27.492	3	Potential	53	23.088	17.379	40.467
59	Current	29	16.933	7.516	24.449	4	Potential	53	16.287	17.379	33.667
60	Current	29	18.130	7.516	25.646	5	Potential	53	17.703	17.379	35.082
61	Current	29	19.040	7.516	26.556	6	Potential	53	21.235	17.379	38.615
62	Current	29	16.529	7.516	24.045	7	Potential	53	17.049	17.379	34.428
63	Current	29	26.570	7.516	34.086	8	Potential	53	10.030	17.379	27.410
64	Current	29	17.761	7.516	25.277	9	Potential	53	21.452	17.379	38.832
65	Current	29	18.258	7.516	25.773	10	Potential	53	19.135	17.379	36.514
66	Current	29	34.010	7.516	41.526	11	Potential	53	23.347	17.379	40.726
68	Current	29	38.683	7.516	46.198	12	Potential	53	21.151	17.379	38.530
69	Current	29	39.103	7.516	46.619	13	Potential	53	19.286	17.379	36.665
71	Current	29	8.363	7.516	15.878	14	Potential	53	14.976	17.379	32.355
72	Current	29	10.305	7.516	17.821	15	Potential	53	12.645	17.379	30.025
73	Current	29	13.118	7.516	20.634	16	Potential	53	16.067	17.379	33.446
74	Current	29	7.404	7.516	14.919	17	Potential	53	19.579	17.379	36.958
75	Current	29	3.414	7.516	10.929	18	Potential	53	20.259	17.379	37.638
77	Current	29	5.483	7.516	12.999	19	Potential	53	8.838	17.379	26.217
78	Current	29	2.253	7.516	9.768	20	Potential	53	14.044	17.379	31.423
79	Current	29	6.037	7.516	13.553	21	Potential	53	16.908	17.379	34.287
80	Current	29	8.606	7.516	16.122	22	Potential	53	10.012	17.379	27.392
81	Current	29	4.564	7.516	12.080	23	Potential	53	10.469	17.379	27.848
82	Current	29	10.245	7.516	17.760	24	Potential	53	8.341	17.379	25.720
83	Current	29	9.635	7.516	17.151	25	Potential	53	7.742	17.379	25.121
84	Current	29	9.791	7.516	17.307	26	Potential	53	12.702	17.379	30.082
85	Current	29	14.083	7.516	21.598	27	Potential	53	9.735	17.379	27.115
86	Current	29	10.453	7.516	17.969	28	Potential	53	7.957	17.379	25.336
87	Current	29	15.171	7.516	22.687	29	Potential	53	10.445	17.379	27.824
88	Current	29	16.829	7.516	24.344	30	Potential	53	8.555	17.379	25.934
89	Current	29	13.153	7.516	20.668	31	Potential	53	12.488	17.379	29.867
91	Current	29	32.016	7.516	39.532	32	Potential	53	16.346	17.379	33.726
92	Current	29	32.482	7.516	39.998	33	Potential	53	1.998	17.379	19.377

93	Current	29	32.387	7.516	39.903	43	Potential	53	25.989	17.379	43.368
94	Current	29	17.678	7.516	25.194	44	Potential	53	23.363	17.379	40.743
95	Current	29	30.457	7.516	37.973	45	Potential	53	20.990	17.379	38.370
98	Current	29	30.762	7.516	38.278	46	Potential	53	21.118	17.379	38.497
99	Current	29	23.332	7.516	30.848	48	Potential	53	27.704	17.379	45.084
100	Current	29	17.657	7.516	25.173	49	Potential	53	27.528	17.379	44.908
101	Current	29	15.957	7.516	23.472	50	Potential	53	28.385	17.379	45.764
102	Current	29	15.811	7.516	23.327	51	Current	53	10.517	17.379	27.896
103	Current	29	24.367	7.516	31.883	52	Current	53	7.172	17.379	24.551
105	Current	29	22.865	7.516	30.381	53	Current	53	10.552	17.379	27.932
106	Current	29	14.971	7.516	22.487	54	Current	53	4.542	17.379	21.922
107	Current	29	38.024	7.516	45.540	55	Current	53	7.000	17.379	24.379
108	Current	29	24.629	7.516	32.144	56	Current	53	10.545	17.379	27.924
109	Current	29	15.456	7.516	22.971	57	Current	53	14.578	17.379	31.958
110	Current	29	17.570	7.516	25.085	58	Current	53	10.114	17.379	27.493
111	Current	29	38.388	7.516	45.904	59	Current	53	11.944	17.379	29.323
112	Current	29	19.826	7.516	27.342	60	Current	53	13.967	17.379	31.346
113	Current	29	18.243	7.516	25.759	61	Current	53	19.566	17.379	36.946
114	Current	29	27.662	7.516	35.177	62	Current	53	19.883	17.379	37.263
115	Current	29	20.633	7.516	28.149	63	Current	53	16.242	17.379	33.622
1	Potential	30	19.848	12.137	31.985	64	Current	53	7.201	17.379	24.580
2	Potential	30	16.066	12.137	28.203	65	Current	53	7.930	17.379	25.309
3	Potential	30	18.413	12.137	30.550	71	Current	53	24.606	17.379	41.985
4	Potential	30	11.061	12.137	23.198	72	Current	53	23.980	17.379	41.359
5	Potential	30	8.755	12.137	20.892	73	Current	53	21.388	17.379	38.767
6	Potential	30	2.974	12.137	15.111	74	Current	53	22.631	17.379	40.010
7	Potential	30	5.235	12.137	17.372	75	Current	53	20.120	17.379	37.499
8	Potential	30	15.364	12.137	27.501	77	Current	53	17.515	17.379	34.894
9	Potential	30	1.131	12.137	13.268	78	Current	53	14.830	17.379	32.209
10	Potential	30	6.584	12.137	18.721	79	Current	53	15.667	17.379	33.046
11	Potential	30	11.029	12.137	23.166	80	Current	53	16.766	17.379	34.146
12	Potential	30	10.103	12.137	22.240	81	Current	53	12.830	17.379	30.209
13	Potential	30	7.342	12.137	19.479	82	Current	53	15.320	17.379	32.700
14	Potential	30	7.374	12.137	19.511	83	Current	53	10.618	17.379	27.997
15	Potential	30	9.674	12.137	21.811	84	Current	53	13.119	17.379	30.499
16	Potential	30	8.746	12.137	20.883	85	Current	53	23.335	17.379	40.715
17	Potential	30	7.023	12.137	19.160	86	Current	53	16.939	17.379	34.318
18	Potential	30	20.263	12.137	32.400	87	Current	53	14.910	17.379	32.289
19	Potential	30	24.114	12.137	36.252	88	Current	53	16.876	17.379	34.256
20	Potential	30	21.881	12.137	34.018	89	Current	53	14.442	17.379	31.821
21	Potential	30	34.801	12.137	46.938	91	Current	53	29.127	17.379	46.507
22	Potential	30	24.823	12.137	36.960	92	Current	53	29.593	17.379	46.973
23	Potential	30	16.205	12.137	28.342	93	Current	53	29.498	17.379	46.878
24	Potential	30	23.700	12.137	35.837	94	Current	53	20.838	17.379	38.217
25	Potential	30	18.160	12.137	30.297	95	Current	53	27.569	17.379	44.948
26	Potential	30	22.763	12.137	34.900	99	Current	53	24.442	17.379	41.822
27	Potential	30	27.899	12.137	40.036	100	Current	53	22.848	17.379	40.227
28	Potential	30	19.275	12.137	31.412	101	Current	53	21.147	17.379	38.527
29	Potential	30	25.390	12.137	37.527	102	Current	53	21.002	17.379	38.381
30	Potential	30	24.679	12.137	36.817	103	Current	53	19.684	17.379	37.064
31	Potential	30	30.381	12.137	42.518	104	Current	53	28.072	17.379	45.451
32	Potential	30	24.168	12.137	36.305	105	Current	53	26.490	17.379	43.869
33	Potential	30	20.454	12.137	32.591	106	Current	53	15.477	17.379	32.857
43	Potential	30	18.668	12.137	30.805	107	Current	53	25.003	17.379	42.382

44	Potential	30	16.043	12.137	28.180	108	Current	53	28.253	17.379	45.633
45	Potential	30	13.670	12.137	25.807	109	Current	53	19.041	17.379	36.420
46	Potential	30	20.364	12.137	32.501	110	Current	53	20.965	17.379	38.345
47	Potential	30	27.108	12.137	39.245	112	Current	53	16.727	17.379	34.106
48	Potential	30	24.567	12.137	36.704	113	Current	53	13.511	17.379	30.890
49	Potential	30	23.173	12.137	35.310	114	Current	53	22.979	17.379	40.358
50	Potential	30	26.828	12.137	38.965	115	Current	53	25.824	17.379	43.203
51	Current	30	14.970	12.137	27.107	1	Potential	54	20.777	22.809	43.586
52	Current	30	16.674	12.137	28.811	2	Potential	54	17.786	22.809	40.595
53	Current	30	15.576	12.137	27.713	4	Potential	54	16.650	22.809	39.459
54	Current	30	19.937	12.137	32.074	5	Potential	54	18.531	22.809	41.339
55	Current	30	26.178	12.137	38.315	6	Potential	54	21.455	22.809	44.264
56	Current	30	26.670	12.137	38.807	7	Potential	54	22.559	22.809	45.368
57	Current	30	32.472	12.137	44.609	8	Potential	54	15.616	22.809	38.424
58	Current	30	24.925	12.137	37.062	9	Potential	54	22.340	22.809	45.149
59	Current	30	21.882	12.137	34.019	10	Potential	54	18.969	22.809	41.778
60	Current	30	23.079	12.137	35.216	11	Potential	54	23.181	22.809	45.990
61	Current	30	23.989	12.137	36.126	12	Potential	54	20.985	22.809	43.794
62	Current	30	21.106	12.137	33.243	13	Potential	54	18.713	22.809	41.522
63	Current	30	31.519	12.137	43.656	14	Potential	54	20.486	22.809	43.295
64	Current	30	18.978	12.137	31.115	15	Potential	54	18.230	22.809	41.039
65	Current	30	23.206	12.137	35.343	16	Potential	54	15.901	22.809	38.710
66	Current	30	30.974	12.137	43.111	17	Potential	54	19.413	22.809	42.222
71	Current	30	5.327	12.137	17.464	19	Potential	54	14.936	22.809	37.745
72	Current	30	7.269	12.137	19.406	20	Potential	54	20.183	22.809	42.992
73	Current	30	10.340	12.137	22.477	21	Potential	54	18.062	22.809	40.871
74	Current	30	3.277	12.137	15.415	22	Potential	54	16.152	22.809	38.961
75	Current	30	2.578	12.137	14.715	23	Potential	54	11.078	22.809	33.887
77	Current	30	8.016	12.137	20.153	24	Potential	54	0.255	22.809	23.064
78	Current	30	7.201	12.137	19.338	25	Potential	54	12.352	22.809	35.161
79	Current	30	10.900	12.137	23.038	26	Potential	54	18.287	22.809	41.096
80	Current	30	11.163	12.137	23.300	27	Potential	54	12.517	22.809	35.326
81	Current	30	9.513	12.137	21.650	28	Potential	54	8.954	22.809	31.763
82	Current	30	11.727	12.137	23.864	29	Potential	54	16.543	22.809	39.352
83	Current	30	14.584	12.137	26.721	30	Potential	54	4.035	22.809	26.844
84	Current	30	14.740	12.137	26.877	31	Potential	54	11.796	22.809	34.605
85	Current	30	18.660	12.137	30.797	32	Potential	54	22.486	22.809	45.295
86	Current	30	15.030	12.137	27.168	33	Potential	54	8.225	22.809	31.034
87	Current	30	20.120	12.137	32.257	43	Potential	54	23.733	22.809	46.542
88	Current	30	21.777	12.137	33.914	44	Potential	54	22.377	22.809	45.186
89	Current	30	18.101	12.137	30.238	45	Potential	54	20.004	22.809	42.813
94	Current	30	22.256	12.137	34.393	46	Potential	54	13.257	22.809	36.066
99	Current	30	27.909	12.137	40.047	48	Potential	54	20.237	22.809	43.046
100	Current	30	15.527	12.137	27.664	49	Potential	54	20.575	22.809	43.384
101	Current	30	13.827	12.137	25.964	50	Potential	54	19.789	22.809	42.598
102	Current	30	13.681	12.137	25.818	51	Current	54	15.720	22.809	38.529
103	Current	30	24.855	12.137	36.992	52	Current	54	12.757	22.809	35.566
105	Current	30	23.352	12.137	35.490	53	Current	54	11.161	22.809	33.970
106	Current	30	15.459	12.137	27.596	54	Current	54	7.779	22.809	30.587
108	Current	30	25.116	12.137	37.253	55	Current	54	11.012	22.809	33.821
109	Current	30	15.943	12.137	28.080	56	Current	54	6.025	22.809	28.834
110	Current	30	18.057	12.137	30.194	57	Current	54	14.232	22.809	37.041
112	Current	30	20.314	12.137	32.451	58	Current	54	16.253	22.809	39.062
113	Current	30	19.133	12.137	31.270	59	Current	54	17.529	22.809	40.338

114	Current	30	28.149	12.137	40.286	60	Current	54	20.106	22.809	42.915
115	Current	30	18.503	12.137	30.640	63	Current	54	20.499	22.809	43.307
1	Potential	31	24.065	16.213	40.278	64	Current	54	7.615	22.809	30.424
2	Potential	31	20.283	16.213	36.496	65	Current	54	13.459	22.809	36.268
3	Potential	31	22.923	16.213	39.136	72	Current	54	23.814	22.809	46.623
4	Potential	31	13.435	16.213	29.648	73	Current	54	21.222	22.809	44.031
5	Potential	31	11.129	16.213	27.342	75	Current	54	22.583	22.809	45.392
6	Potential	31	5.347	16.213	21.560	77	Current	54	19.982	22.809	42.791
7	Potential	31	9.459	16.213	25.673	78	Current	54	20.340	22.809	43.149
8	Potential	31	19.026	16.213	35.239	79	Current	54	21.252	22.809	44.061
9	Potential	31	5.950	16.213	22.163	80	Current	54	16.073	22.809	38.882
10	Potential	31	8.957	16.213	25.170	81	Current	54	18.415	22.809	41.224
11	Potential	31	11.935	16.213	28.148	82	Current	54	14.574	22.809	37.383
12	Potential	31	12.477	16.213	28.690	83	Current	54	16.203	22.809	39.012
13	Potential	31	9.715	16.213	25.928	84	Current	54	18.704	22.809	41.513
14	Potential	31	11.598	16.213	27.811	86	Current	54	22.524	22.809	45.333
15	Potential	31	13.898	16.213	30.112	87	Current	54	21.049	22.809	43.858
16	Potential	31	11.119	16.213	27.333	88	Current	54	23.016	22.809	45.825
17	Potential	31	9.396	16.213	25.609	89	Current	54	20.027	22.809	42.836
18	Potential	31	24.773	16.213	40.986	100	Current	54	21.861	22.809	44.670
19	Potential	31	28.226	16.213	44.439	101	Current	54	16.678	22.809	39.487
20	Potential	31	26.098	16.213	42.312	102	Current	54	20.015	22.809	42.824
22	Potential	31	27.316	16.213	43.529	103	Current	54	11.088	22.809	33.897
23	Potential	31	18.579	16.213	34.792	104	Current	54	23.552	22.809	46.361
24	Potential	31	26.073	16.213	42.286	105	Current	54	19.537	22.809	42.346
25	Potential	31	22.137	16.213	38.350	106	Current	54	11.276	22.809	34.085
26	Potential	31	26.980	16.213	43.193	107	Current	54	20.483	22.809	43.292
28	Potential	31	21.648	16.213	37.861	108	Current	54	21.300	22.809	44.109
29	Potential	31	27.882	16.213	44.095	109	Current	54	14.394	22.809	37.203
30	Potential	31	27.053	16.213	43.266	110	Current	54	13.105	22.809	35.914
32	Potential	31	28.385	16.213	44.598	111	Current	54	22.410	22.809	45.219
33	Potential	31	24.184	16.213	40.397	112	Current	54	8.866	22.809	31.675
43	Potential	31	21.041	16.213	37.255	113	Current	54	6.696	22.809	29.505
44	Potential	31	18.416	16.213	34.629	114	Current	54	14.383	22.809	37.192
45	Potential	31	16.043	16.213	32.256	115	Current	54	23.691	22.809	46.500
46	Potential	31	22.737	16.213	38.951	1	Potential	55	22.352	24.297	46.649
47	Potential	31	29.481	16.213	45.695	2	Potential	55	19.361	24.297	43.658
48	Potential	31	26.940	16.213	43.154	8	Potential	55	17.191	24.297	41.488
49	Potential	31	25.546	16.213	41.759	14	Potential	55	22.136	24.297	46.433
50	Potential	31	29.201	16.213	45.414	15	Potential	55	19.806	24.297	44.102
51	Current	31	18.631	16.213	34.844	19	Potential	55	15.675	24.297	39.972
52	Current	31	20.891	16.213	37.105	20	Potential	55	21.759	24.297	46.055
53	Current	31	17.949	16.213	34.162	21	Potential	55	10.072	24.297	34.369
54	Current	31	22.310	16.213	38.524	22	Potential	55	17.685	24.297	41.981
55	Current	31	29.030	16.213	45.243	23	Potential	55	17.089	24.297	41.385
56	Current	31	29.043	16.213	45.256	24	Potential	55	14.220	24.297	38.517
58	Current	31	27.417	16.213	43.630	25	Potential	55	14.902	24.297	39.199
59	Current	31	26.099	16.213	42.312	26	Potential	55	19.863	24.297	44.159
60	Current	31	27.296	16.213	43.509	27	Potential	55	2.437	24.297	26.733
61	Current	31	28.206	16.213	44.419	28	Potential	55	14.965	24.297	39.262
62	Current	31	25.616	16.213	41.829	29	Potential	55	17.282	24.297	41.579
64	Current	31	21.351	16.213	37.565	30	Potential	55	10.631	24.297	34.928
65	Current	31	27.318	16.213	43.531	31	Potential	55	4.920	24.297	29.216
71	Current	31	6.666	16.213	22.880	33	Potential	55	10.672	24.297	34.968

72	Current	31	8.175	16.213	24.388	51	Current	55	17.678	24.297	41.974
73	Current	31	12.714	16.213	28.927	52	Current	55	14.332	24.297	38.629
74	Current	31	8.381	16.213	24.594	53	Current	55	17.172	24.297	41.469
75	Current	31	6.802	16.213	23.015	54	Current	55	11.060	24.297	35.357
77	Current	31	10.390	16.213	26.603	55	Current	55	6.350	24.297	30.647
78	Current	31	11.425	16.213	27.638	56	Current	55	9.503	24.297	33.799
79	Current	31	15.125	16.213	31.338	57	Current	55	7.010	24.297	31.306
80	Current	31	13.536	16.213	29.749	58	Current	55	17.583	24.297	41.880
81	Current	31	13.737	16.213	29.950	59	Current	55	19.104	24.297	43.401
82	Current	31	14.100	16.213	30.314	60	Current	55	21.681	24.297	45.978
83	Current	31	18.245	16.213	34.458	63	Current	55	10.607	24.297	34.904
84	Current	31	18.957	16.213	35.170	64	Current	55	13.802	24.297	38.099
85	Current	31	23.170	16.213	39.383	65	Current	55	13.008	24.297	37.304
86	Current	31	19.541	16.213	35.754	78	Current	55	21.990	24.297	46.287
87	Current	31	24.337	16.213	40.550	81	Current	55	19.990	24.297	44.287
88	Current	31	25.994	16.213	42.207	82	Current	55	22.270	24.297	46.566
89	Current	31	22.318	16.213	38.531	83	Current	55	17.778	24.297	42.075
94	Current	31	26.766	16.213	42.979	84	Current	55	20.280	24.297	44.576
100	Current	31	17.900	16.213	34.114	87	Current	55	22.624	24.297	46.921
101	Current	31	16.200	16.213	32.413	89	Current	55	21.603	24.297	45.899
102	Current	31	16.055	16.213	32.268	104	Current	55	20.580	24.297	44.876
103	Current	31	27.228	16.213	43.441	106	Current	55	22.079	24.297	46.375
105	Current	31	25.726	16.213	41.939	107	Current	55	17.511	24.297	41.808
106	Current	31	17.832	16.213	34.045	113	Current	55	20.112	24.297	44.408
108	Current	31	27.489	16.213	43.703	21	Current	56	6.668	34.645	41.313
109	Current	31	18.316	16.213	34.530	57	Current	56	10.461	34.645	45.106
110	Current	31	20.430	16.213	36.644	63	Current	56	10.048	34.645	44.693
112	Current	31	22.687	16.213	38.900	19	Potential	57	10.005	28.862	38.866
113	Current	31	21.506	16.213	37.719	22	Potential	57	13.272	28.862	42.134
114	Current	31	30.522	16.213	46.735	27	Potential	57	16.506	28.862	45.368
115	Current	31	20.877	16.213	37.090	29	Potential	57	12.870	28.862	41.731
1	Potential	32	15.876	9.693	25.569	31	Potential	57	15.929	28.862	44.791
2	Potential	32	12.094	9.693	21.787	55	Current	57	15.887	28.862	44.748
3	Potential	32	16.948	9.693	26.642	57	Current	57	17.940	28.862	46.802
4	Potential	32	2.894	9.693	12.587	58	Current	57	13.171	28.862	42.032
5	Potential	32	0.588	9.693	10.281	63	Current	57	5.974	28.862	34.836
6	Potential	32	6.866	9.693	16.559	65	Current	57	12.979	28.862	41.841
7	Potential	32	6.589	9.693	16.283	2	Current	58	20.499	25.511	46.010
8	Potential	32	9.564	9.693	19.258	4	Current	58	21.245	25.511	46.756
9	Potential	32	7.751	9.693	17.445	8	Current	58	18.329	25.511	43.839
10	Potential	32	5.847	9.693	15.540	15	Current	58	20.944	25.511	46.454
11	Potential	32	14.130	9.693	23.824	16	Current	58	20.832	25.511	46.343
12	Potential	32	10.559	9.693	20.252	19	Current	58	16.292	25.511	41.803
13	Potential	32	6.106	9.693	15.800	21	Current	58	17.170	25.511	42.680
14	Potential	32	4.685	9.693	14.378	22	Current	58	18.301	25.511	43.812
15	Potential	32	6.430	9.693	16.123	23	Current	58	13.988	25.511	39.499
16	Potential	32	7.378	9.693	17.072	24	Current	58	6.731	25.511	32.242
17	Potential	32	6.291	9.693	15.984	25	Current	58	15.262	25.511	40.773
18	Potential	32	18.799	9.693	28.492	26	Current	58	21.001	25.511	46.511
19	Potential	32	20.142	9.693	29.836	27	Current	58	11.624	25.511	37.135
20	Potential	32	17.909	9.693	27.603	28	Current	58	11.865	25.511	37.375
21	Potential	32	30.829	9.693	40.523	29	Current	58	17.899	25.511	43.410
22	Potential	32	20.851	9.693	30.545	30	Current	58	2.952	25.511	28.462
23	Potential	32	11.261	9.693	20.954	31	Current	58	10.903	25.511	36.414

24	Potential	32	19.990	9.693	29.683	33	Current	58	11.136	25.511	36.646
25	Potential	32	12.676	9.693	22.369	46	Current	58	17.313	25.511	42.824
26	Potential	32	18.791	9.693	28.484	51	Current	58	18.630	25.511	44.141
27	Potential	32	23.927	9.693	33.620	52	Current	58	15.470	25.511	40.981
28	Potential	32	14.505	9.693	24.199	53	Current	58	14.072	25.511	39.582
29	Potential	32	21.418	9.693	31.111	54	Current	58	10.689	25.511	36.200
30	Potential	32	20.970	9.693	30.663	55	Current	58	10.120	25.511	35.630
31	Potential	32	26.409	9.693	36.103	56	Current	58	5.132	25.511	30.643
32	Potential	32	20.196	9.693	29.889	57	Current	58	13.340	25.511	38.850
33	Potential	32	16.482	9.693	26.175	58	Current	58	18.200	25.511	43.711
40	Potential	32	36.559	9.693	46.252	59	Current	58	20.242	25.511	45.753
43	Potential	32	17.300	9.693	26.994	63	Current	58	19.606	25.511	45.116
44	Potential	32	14.675	9.693	24.368	64	Current	58	10.702	25.511	36.212
45	Potential	32	12.302	9.693	21.995	65	Current	58	13.624	25.511	39.135
46	Potential	32	17.155	9.693	26.848	80	Current	58	20.668	25.511	46.179
47	Potential	32	25.679	9.693	35.372	81	Current	58	21.128	25.511	46.639
48	Potential	32	21.358	9.693	31.051	82	Current	58	19.169	25.511	44.680
49	Potential	32	21.182	9.693	30.875	83	Current	58	18.916	25.511	44.427
50	Potential	32	23.618	9.693	33.312	84	Current	58	21.418	25.511	46.928
51	Current	32	9.170	9.693	18.863	103	Current	58	10.832	25.511	36.343
52	Current	32	12.702	9.693	22.396	104	Current	58	17.998	25.511	43.509
53	Current	32	10.632	9.693	20.325	106	Current	58	16.653	25.511	42.164
54	Current	32	15.168	9.693	24.861	107	Current	58	14.929	25.511	40.440
55	Current	32	21.887	9.693	31.581	109	Current	58	20.216	25.511	45.727
56	Current	32	22.960	9.693	32.653	110	Current	58	18.152	25.511	43.663
57	Current	32	28.499	9.693	38.193	111	Current	58	21.370	25.511	46.880
58	Current	32	20.953	9.693	30.646	112	Current	58	14.539	25.511	40.050
59	Current	32	17.910	9.693	27.603	113	Current	58	13.683	25.511	39.193
60	Current	32	19.107	9.693	28.800	114	Current	58	14.495	25.511	40.006
61	Current	32	20.017	9.693	29.710	1	Potential	59	7.797	20.508	28.305
62	Current	32	19.642	9.693	29.336	2	Potential	59	14.900	20.508	35.407
63	Current	32	27.547	9.693	37.240	3	Potential	59	12.803	20.508	33.311
64	Current	32	15.262	9.693	24.955	4	Potential	59	20.852	20.508	41.360
65	Current	32	19.234	9.693	28.928	5	Potential	59	22.268	20.508	42.776
66	Current	32	35.884	9.693	45.578	6	Potential	59	25.800	20.508	46.308
71	Current	32	10.236	9.693	19.930	7	Potential	59	21.614	20.508	42.122
72	Current	32	9.906	9.693	19.599	8	Potential	59	15.055	20.508	35.563
73	Current	32	10.796	9.693	20.489	9	Potential	59	26.017	20.508	46.525
74	Current	32	10.006	9.693	19.699	13	Potential	59	26.467	20.508	46.975
75	Current	32	7.793	9.693	17.486	14	Potential	59	19.541	20.508	40.049
77	Current	32	1.442	9.693	11.135	15	Potential	59	17.210	20.508	37.718
78	Current	32	4.774	9.693	14.467	16	Potential	59	24.772	20.508	45.280
79	Current	32	8.236	9.693	17.930	18	Potential	59	9.506	20.508	30.014
80	Current	32	3.373	9.693	13.066	19	Potential	59	17.757	20.508	38.265
81	Current	32	6.269	9.693	15.962	20	Potential	59	5.778	20.508	26.285
82	Current	32	6.708	9.693	16.402	22	Potential	59	12.515	20.508	33.023
83	Current	32	8.784	9.693	18.477	23	Potential	59	19.419	20.508	39.927
84	Current	32	10.768	9.693	20.461	24	Potential	59	25.287	20.508	45.794
85	Current	32	17.196	9.693	26.889	25	Potential	59	16.417	20.508	36.925
86	Current	32	13.566	9.693	23.260	26	Potential	59	12.604	20.508	33.111
87	Current	32	16.148	9.693	25.841	27	Potential	59	25.667	20.508	46.175
88	Current	32	17.805	9.693	27.499	28	Potential	59	17.775	20.508	38.282
89	Current	32	14.129	9.693	23.823	29	Potential	59	13.082	20.508	33.590
91	Current	32	32.993	9.693	42.686	30	Potential	59	25.292	20.508	45.800

92	Current	32	33.459	9.693	43.152	32	Potential	59	2.649	20.508	23.156
93	Current	32	33.364	9.693	43.057	33	Potential	59	18.222	20.508	38.730
94	Current	32	20.791	9.693	30.485	39	Potential	59	24.973	20.508	45.481
95	Current	32	31.434	9.693	41.127	40	Potential	59	23.402	20.508	43.910
98	Current	32	33.875	9.693	43.569	51	Current	59	17.821	20.508	38.329
99	Current	32	26.445	9.693	36.139	52	Current	59	15.662	20.508	36.170
100	Current	32	14.159	9.693	23.853	53	Current	59	19.502	20.508	40.010
101	Current	32	12.265	9.693	21.959	54	Current	59	18.437	20.508	38.945
102	Current	32	12.314	9.693	22.007	55	Current	59	23.946	20.508	44.454
103	Current	32	21.645	9.693	31.338	58	Current	59	12.617	20.508	33.124
105	Current	32	20.143	9.693	29.836	59	Current	59	11.845	20.508	32.353
106	Current	32	12.249	9.693	21.943	60	Current	59	5.697	20.508	26.204
107	Current	32	35.458	9.693	45.152	61	Current	59	7.895	20.508	28.403
108	Current	32	21.907	9.693	31.600	62	Current	59	9.131	20.508	29.638
109	Current	32	11.688	9.693	21.382	63	Current	59	24.596	20.508	45.103
110	Current	32	14.848	9.693	24.541	64	Current	59	20.230	20.508	40.738
111	Current	32	35.666	9.693	45.359	65	Current	59	17.734	20.508	38.242
112	Current	32	17.104	9.693	26.798	74	Current	59	26.330	20.508	46.838
113	Current	32	15.423	9.693	25.116	75	Current	59	24.685	20.508	45.192
114	Current	32	24.939	9.693	34.633	77	Current	59	22.080	20.508	42.588
115	Current	32	17.136	9.693	26.829	78	Current	59	19.395	20.508	39.902
1	Potential	33	16.942	11.715	28.657	79	Current	59	20.232	20.508	40.740
2	Potential	33	13.160	11.715	24.875	80	Current	59	21.331	20.508	41.839
3	Potential	33	19.092	11.715	30.807	81	Current	59	17.395	20.508	37.903
4	Potential	33	2.705	11.715	14.420	82	Current	59	22.328	20.508	42.835
5	Potential	33	4.585	11.715	16.300	83	Current	59	15.878	20.508	36.385
6	Potential	33	10.916	11.715	22.632	84	Current	59	13.922	20.508	34.429
7	Potential	33	10.539	11.715	22.255	85	Current	59	13.050	20.508	33.558
8	Potential	33	10.630	11.715	22.345	86	Current	59	14.624	20.508	35.132
9	Potential	33	11.801	11.715	23.517	87	Current	59	6.674	20.508	27.182
10	Potential	33	9.275	11.715	20.990	88	Current	59	9.303	20.508	29.810
11	Potential	33	16.456	11.715	28.171	89	Current	59	11.118	20.508	31.626
12	Potential	33	13.795	11.715	25.511	91	Current	59	19.836	20.508	40.344
13	Potential	33	8.797	11.715	20.513	92	Current	59	20.302	20.508	40.810
14	Potential	33	8.466	11.715	20.182	93	Current	59	20.207	20.508	40.715
15	Potential	33	8.311	11.715	20.027	94	Current	59	10.085	20.508	30.593
16	Potential	33	9.176	11.715	20.891	95	Current	59	18.278	20.508	38.785
17	Potential	33	9.719	11.715	21.434	98	Current	59	23.169	20.508	43.676
18	Potential	33	20.942	11.715	32.657	99	Current	59	12.391	20.508	32.899
19	Potential	33	21.208	11.715	32.924	106	Current	59	26.043	20.508	46.551
20	Potential	33	18.975	11.715	30.690	113	Current	59	25.621	20.508	46.128

Table 8: Flooded Scenario (10 cm) - Zones to Staging Stations Travel Times

St. Station

T0 Zone to Station Travel Time (min)

Zone	St.	Station Type	T0(min)	Zone	St.	Station Type	T0(min)
3	1	Potential	44.837	19	45	Potential	39.638
3	2	Potential	42.575	19	69	Current	38.411
3	3	Potential	37.032	19	70	Current	34.327
3	21	Potential	5.476	19	71	Current	29.782
3	37	Potential	35.941	19	72	Current	37.968
3	38	Potential	35.329	19	73	Current	30.668
3	39	Potential	33.990	19	93	Current	43.726
3	40	Potential	30.979	19	94	Current	15.776
3	41	Potential	26.733	19	95	Current	15.919
3	42	Potential	37.219	19	96	Current	13.565
3	43	Potential	35.649	19	97	Current	33.599
3	69	Current	20.142	19	98	Current	21.926
3	70	Current	46.964	19	99	Current	30.751
3	71	Current	38.619	19	100	Current	28.628
3	72	Current	26.848	19	101	Current	28.969
3	73	Current	38.929	19	102	Current	28.965
3	94	Current	31.958	20	1	Potential	33.597
3	95	Current	32.174	20	2	Potential	31.334
3	96	Current	31.512	20	3	Potential	28.914
3	97	Current	11.674	20	37	Potential	27.823
3	98	Current	30.710	20	38	Potential	27.211
3	99	Current	43.630	20	39	Potential	25.872
3	100	Current	45.162	20	40	Potential	22.861
3	101	Current	24.309	20	41	Potential	18.615
3	102	Current	16.872	20	42	Potential	25.979
4	47	Potential	5.085	20	43	Potential	24.408
4	48	Potential	2.532	20	44	Potential	36.285
4	103	Current	4.059	20	45	Potential	41.277
4	105	Current	2.723	20	69	Current	12.024
5	22	Potential	40.548	20	70	Current	35.723
5	24	Potential	30.113	20	71	Current	27.509
5	25	Potential	45.376	20	72	Current	18.730
5	27	Potential	12.342	20	73	Current	28.394
5	30	Potential	25.202	20	93	Current	40.870
5	32	Potential	45.162	20	94	Current	20.718
5	33	Potential	16.122	20	95	Current	20.934
5	34	Potential	23.883	20	96	Current	20.272
5	46	Potential	14.700	20	97	Current	4.603
5	49	Potential	4.344	20	98	Current	19.470
5	50	Potential	15.891	20	99	Current	32.390
5	51	Potential	11.146	20	100	Current	33.922
5	52	Potential	11.645	20	101	Current	16.191
5	53	Potential	13.447	20	102	Current	8.754
5	58	Current	23.474	21	1	Potential	34.896
5	59	Current	18.112	21	2	Potential	29.807
5	60	Current	26.319	21	3	Potential	21.125
5	61	Current	45.400	21	37	Potential	20.034
5	66	Current	32.960	21	38	Potential	19.422
5	106	Current	8.123	21	39	Potential	18.083
5	107	Current	24.839	21	40	Potential	12.834

5	108	Current	10.625	21	41	Potential	5.422
5	110	Current	24.246	21	42	Potential	18.921
5	111	Current	11.495	21	43	Potential	18.688
5	112	Current	6.263	21	44	Potential	31.691
5	113	Current	3.277	21	45	Potential	36.990
5	114	Current	19.813	21	69	Current	11.468
5	115	Current	3.221	21	70	Current	31.121
5	116	Current	7.485	21	71	Current	20.235
5	117	Current	9.836	21	72	Current	10.941
5	118	Current	14.834	21	73	Current	20.546
6	24	Potential	40.175	21	93	Current	28.790
6	27	Potential	22.405	21	94	Current	19.933
6	30	Potential	35.264	21	95	Current	20.149
6	33	Potential	26.184	21	96	Current	21.332
6	34	Potential	33.945	21	97	Current	20.767
6	46	Potential	17.290	21	98	Current	13.859
6	49	Potential	10.782	21	99	Current	30.863
6	50	Potential	18.811	21	100	Current	32.878
6	51	Potential	15.136	21	101	Current	7.683
6	52	Potential	14.235	21	102	Current	21.262
6	53	Potential	17.476	22	1	Potential	32.106
6	58	Current	33.536	22	2	Potential	0.000
6	59	Current	28.174	22	3	Potential	38.238
6	60	Current	36.382	22	37	Potential	37.147
6	66	Current	43.023	22	38	Potential	36.535
6	106	Current	19.027	22	39	Potential	35.196
6	107	Current	35.743	22	40	Potential	30.222
6	108	Current	13.215	22	41	Potential	29.103
6	110	Current	35.097	22	42	Potential	15.610
6	111	Current	15.524	22	43	Potential	14.754
6	112	Current	9.768	22	44	Potential	7.624
6	113	Current	9.358	22	45	Potential	12.616
6	114	Current	30.718	22	69	Current	35.034
6	115	Current	13.283	22	70	Current	7.305
6	116	Current	17.547	22	71	Current	14.081
6	117	Current	20.740	22	72	Current	32.948
6	118	Current	17.424	22	73	Current	13.195
7	24	Potential	40.822	22	93	Current	25.722
7	27	Potential	23.051	22	94	Current	16.918
7	30	Potential	35.911	22	95	Current	16.784
7	33	Potential	26.831	22	96	Current	18.541
7	34	Potential	34.592	22	97	Current	33.655
7	46	Potential	6.976	22	98	Current	17.562
7	49	Potential	9.657	22	99	Current	3.729
7	50	Potential	12.114	22	100	Current	10.910
7	51	Potential	8.881	22	101	Current	25.507
7	52	Potential	2.753	22	102	Current	29.021
7	53	Potential	11.182	23	1	Potential	18.931
7	58	Current	34.183	23	2	Potential	19.559
7	59	Current	28.821	23	3	Potential	38.465
7	60	Current	37.028	23	37	Potential	37.374
7	66	Current	43.669	23	38	Potential	36.762
7	106	Current	18.629	23	39	Potential	35.423
7	107	Current	33.903	23	40	Potential	28.546
7	108	Current	4.106	23	41	Potential	22.877
7	110	Current	34.753	23	42	Potential	18.566
7	111	Current	9.229	23	43	Potential	16.995
7	112	Current	11.946	23	44	Potential	24.510
7	113	Current	11.255	23	45	Potential	29.501

7	114	Current	27.774	23	69	Current	28.808
7	115	Current	13.930	23	70	Current	24.191
7	116	Current	18.194	23	71	Current	20.095
7	117	Current	17.797	23	72	Current	28.281
7	118	Current	7.110	23	73	Current	20.981
8	27	Potential	29.368	23	93	Current	34.039
8	30	Potential	42.228	23	94	Current	6.090
8	33	Potential	33.147	23	95	Current	6.232
8	34	Potential	40.909	23	96	Current	5.366
8	46	Potential	6.774	23	97	Current	24.854
8	49	Potential	15.974	23	98	Current	12.239
8	50	Potential	4.452	23	99	Current	20.615
8	51	Potential	11.211	23	100	Current	16.283
8	52	Potential	11.383	23	101	Current	19.282
8	53	Potential	10.030	23	102	Current	20.220
8	58	Current	40.500	24	1	Potential	20.080
8	59	Current	35.138	24	2	Potential	15.167
8	60	Current	43.345	24	3	Potential	30.374
8	106	Current	22.080	24	37	Potential	29.283
8	107	Current	34.600	24	38	Potential	28.671
8	108	Current	12.783	24	39	Potential	27.332
8	110	Current	38.939	24	40	Potential	20.455
8	111	Current	10.061	24	41	Potential	14.787
8	112	Current	18.262	24	42	Potential	9.572
8	113	Current	17.572	24	43	Potential	8.001
8	114	Current	28.472	24	44	Potential	19.887
8	115	Current	20.247	24	45	Potential	25.109
8	116	Current	24.511	24	69	Current	20.717
8	117	Current	18.495	24	70	Current	19.316
8	118	Current	6.860	24	71	Current	11.101
9	24	Potential	44.261	24	72	Current	20.190
9	27	Potential	26.490	24	73	Current	11.987
9	30	Potential	39.350	24	93	Current	25.045
9	33	Potential	30.270	24	94	Current	5.117
9	34	Potential	38.031	24	95	Current	5.333
9	46	Potential	7.165	24	96	Current	6.516
9	49	Potential	13.096	24	97	Current	18.621
9	50	Potential	1.575	24	98	Current	4.148
9	51	Potential	8.334	24	99	Current	16.222
9	52	Potential	11.773	24	100	Current	18.238
9	53	Potential	7.152	24	101	Current	11.191
9	58	Current	37.622	24	102	Current	13.988
9	59	Current	32.260	38	1	Potential	30.330
9	60	Current	40.468	38	2	Potential	18.473
9	106	Current	19.202	38	3	Potential	24.748
9	107	Current	31.723	38	37	Potential	23.658
9	108	Current	10.360	38	38	Potential	23.046
9	110	Current	36.062	38	39	Potential	21.707
9	111	Current	7.183	38	40	Potential	14.575
9	112	Current	15.385	38	41	Potential	14.661
9	113	Current	14.694	38	42	Potential	4.604
9	114	Current	25.594	38	43	Potential	4.953
9	115	Current	17.369	38	44	Potential	17.913
9	116	Current	21.633	38	45	Potential	20.748
9	117	Current	15.617	38	69	Current	20.592
9	118	Current	7.250	38	70	Current	17.343
10	22	Potential	44.297	38	71	Current	5.138
10	24	Potential	33.862	38	72	Current	17.497
10	27	Potential	16.091	38	73	Current	5.449

10	30	Potential	28.951	38	93	Current	16.763
10	33	Potential	19.871	38	94	Current	15.367
10	34	Potential	27.632	38	95	Current	15.583
10	46	Potential	15.408	38	96	Current	16.765
10	49	Potential	10.575	38	97	Current	24.149
10	50	Potential	14.886	38	98	Current	10.508
10	51	Potential	8.191	38	99	Current	19.529
10	52	Potential	12.353	38	100	Current	26.405
10	53	Potential	9.170	38	101	Current	11.066
10	58	Current	27.223	38	102	Current	23.825
10	59	Current	21.861	39	1	Potential	42.663
10	60	Current	30.068	39	2	Potential	33.163
10	66	Current	36.709	39	3	Potential	5.066
10	106	Current	11.564	39	37	Potential	6.663
10	107	Current	24.305	39	38	Potential	3.363
10	108	Current	10.477	39	39	Potential	2.024
10	110	Current	27.688	39	40	Potential	6.865
10	111	Current	9.907	39	41	Potential	10.699
10	112	Current	14.435	39	42	Potential	22.507
10	113	Current	11.461	39	43	Potential	22.274
10	114	Current	18.176	39	44	Potential	32.603
10	115	Current	9.402	39	45	Potential	35.133
10	116	Current	13.553	39	69	Current	11.864
10	117	Current	8.199	39	70	Current	32.033
10	118	Current	15.542	39	71	Current	21.393
11	24	Potential	38.487	39	72	Current	5.118
11	27	Potential	25.621	39	73	Current	20.508
11	30	Potential	35.114	39	93	Current	22.322
11	33	Potential	25.844	39	94	Current	27.700
11	34	Potential	33.795	39	95	Current	27.916
11	46	Potential	29.865	39	96	Current	29.098
11	49	Potential	23.598	39	97	Current	28.534
11	50	Potential	27.053	39	98	Current	21.626
11	51	Potential	21.565	39	99	Current	34.219
11	52	Potential	26.810	39	100	Current	40.644
11	53	Potential	21.337	39	101	Current	15.450
11	58	Current	33.386	39	102	Current	29.029
11	59	Current	28.024	40	2	Potential	38.229
11	60	Current	36.232	40	3	Potential	0.000
11	66	Current	42.872	40	37	Potential	7.846
11	106	Current	17.223	40	38	Potential	2.072
11	107	Current	23.979	40	39	Potential	3.207
11	108	Current	24.933	40	40	Potential	11.931
11	110	Current	28.318	40	41	Potential	15.765
11	111	Current	23.281	40	42	Potential	27.573
11	112	Current	27.470	40	43	Potential	27.340
11	113	Current	24.484	40	44	Potential	37.669
11	114	Current	2.955	40	45	Potential	40.199
11	115	Current	22.425	40	69	Current	16.930
11	116	Current	25.781	40	70	Current	37.098
11	117	Current	14.413	40	71	Current	26.459
11	118	Current	29.999	40	72	Current	10.184
12	47	Potential	1.666	40	73	Current	25.574
12	48	Potential	1.915	40	93	Current	27.388
12	103	Current	3.764	40	94	Current	32.766
12	105	Current	1.723	40	95	Current	32.982
13	22	Potential	33.995	40	96	Current	34.164
13	24	Potential	23.559	40	97	Current	33.600
13	25	Potential	38.822	40	98	Current	26.692

13	27	Potential	5.789	40	99	Current	39.285
13	30	Potential	18.649	40	100	Current	45.710
13	32	Potential	38.609	40	101	Current	20.516
13	33	Potential	9.568	40	102	Current	34.095
13	34	Potential	17.329	41	1	Potential	39.584
13	46	Potential	20.300	41	2	Potential	31.542
13	49	Potential	9.864	41	3	Potential	13.259
13	50	Potential	21.491	41	37	Potential	12.168
13	51	Potential	16.747	41	38	Potential	11.557
13	52	Potential	17.245	41	39	Potential	10.217
13	53	Potential	16.975	41	40	Potential	1.350
13	58	Current	16.921	41	41	Potential	9.219
13	59	Current	11.559	41	42	Potential	17.832
13	60	Current	19.766	41	43	Potential	17.599
13	61	Current	38.846	41	44	Potential	30.982
13	66	Current	26.407	41	45	Potential	33.512
13	106	Current	8.520	41	69	Current	12.191
13	107	Current	23.164	41	70	Current	30.411
13	108	Current	16.226	41	71	Current	19.147
13	110	Current	20.095	41	72	Current	8.010
13	111	Current	17.095	41	73	Current	18.887
13	112	Current	11.728	41	93	Current	20.701
13	113	Current	8.742	41	94	Current	24.621
13	114	Current	21.732	41	95	Current	24.837
13	115	Current	4.513	41	96	Current	26.020
13	116	Current	4.639	41	97	Current	25.455
13	117	Current	11.905	41	98	Current	18.547
13	118	Current	20.434	41	99	Current	32.597
14	22	Potential	43.133	41	100	Current	37.136
14	24	Potential	31.049	41	101	Current	12.371
14	27	Potential	18.293	41	102	Current	25.950
14	30	Potential	27.787	47	22	Potential	28.462
14	33	Potential	18.516	47	24	Potential	18.026
14	34	Potential	26.468	47	25	Potential	33.289
14	46	Potential	25.831	47	27	Potential	0.255
14	49	Potential	19.192	47	30	Potential	13.115
14	50	Potential	23.019	47	32	Potential	33.075
14	51	Potential	17.531	47	33	Potential	4.035
14	52	Potential	22.776	47	34	Potential	11.796
14	53	Potential	17.303	47	46	Potential	24.157
14	58	Current	26.059	47	49	Potential	13.721
14	59	Current	20.697	47	50	Potential	25.348
14	60	Current	28.904	47	51	Potential	20.483
14	66	Current	35.545	47	52	Potential	21.102
14	106	Current	11.684	47	53	Potential	20.255
14	107	Current	16.542	47	58	Current	11.387
14	108	Current	20.899	47	59	Current	6.025
14	110	Current	20.880	47	60	Current	14.232
14	111	Current	19.247	47	61	Current	33.313
14	112	Current	23.064	47	66	Current	20.873
14	113	Current	20.078	47	106	Current	11.800
14	114	Current	10.789	47	107	Current	23.552
14	115	Current	16.950	47	108	Current	20.082
14	116	Current	19.228	47	110	Current	20.483
14	117	Current	10.006	47	111	Current	20.951
14	118	Current	25.965	47	112	Current	15.811
15	22	Potential	36.728	47	113	Current	12.825
15	24	Potential	20.855	47	114	Current	22.410
15	25	Potential	41.555	47	115	Current	8.596

15	27	Potential	25.564	47	116	Current	6.398
15	30	Potential	20.893	47	117	Current	15.185
15	32	Potential	41.342	47	118	Current	24.291
15	33	Potential	21.785	48	22	Potential	18.196
15	34	Potential	19.138	48	24	Potential	9.962
15	46	Potential	35.678	48	25	Potential	23.023
15	49	Potential	27.908	48	27	Potential	13.624
15	50	Potential	32.867	48	30	Potential	2.377
15	51	Potential	27.379	48	32	Potential	22.809
15	52	Potential	32.623	48	33	Potential	10.035
15	53	Potential	27.151	48	34	Potential	4.919
15	58	Current	24.905	48	46	Potential	38.036
15	59	Current	20.862	48	49	Potential	27.600
15	60	Current	20.964	48	50	Potential	39.227
15	61	Current	41.579	48	51	Potential	33.924
15	66	Current	29.140	48	52	Potential	34.981
15	106	Current	19.883	48	53	Potential	33.696
15	107	Current	2.459	48	58	Current	6.389
15	108	Current	30.747	48	59	Current	9.502
15	110	Current	10.687	48	60	Current	7.009
15	111	Current	29.094	48	61	Current	23.047
15	112	Current	31.780	48	66	Current	10.607
15	113	Current	28.794	48	106	Current	22.386
15	114	Current	23.292	48	107	Current	20.579
15	115	Current	25.149	48	108	Current	33.962
15	116	Current	27.299	48	110	Current	17.510
15	117	Current	19.854	48	111	Current	34.831
15	118	Current	35.812	48	112	Current	29.589
16	22	Potential	46.749	48	113	Current	26.705
16	24	Potential	36.313	48	114	Current	32.923
16	27	Potential	18.572	48	115	Current	22.475
16	30	Potential	31.402	48	116	Current	20.278
16	33	Potential	22.132	48	117	Current	26.096
16	34	Potential	30.083	48	118	Current	38.170
16	46	Potential	15.068	49	22	Potential	17.636
16	49	Potential	11.806	49	24	Potential	6.668
16	50	Potential	11.143	49	25	Potential	22.463
16	51	Potential	5.656	49	27	Potential	24.189
16	52	Potential	12.013	49	30	Potential	14.042
16	53	Potential	5.427	49	32	Potential	22.250
16	58	Current	29.675	49	33	Potential	20.600
16	59	Current	24.312	49	34	Potential	12.934
16	60	Current	32.520	49	49	Potential	38.165
16	66	Current	39.161	49	51	Potential	44.489
16	106	Current	10.858	49	52	Potential	45.547
16	107	Current	23.379	49	53	Potential	44.261
16	108	Current	10.136	49	58	Current	13.906
16	110	Current	27.718	49	59	Current	18.834
16	111	Current	7.371	49	60	Current	10.498
16	112	Current	14.094	49	61	Current	22.487
16	113	Current	13.404	49	66	Current	10.048
16	114	Current	17.251	49	106	Current	32.951
16	115	Current	12.191	49	107	Current	25.273
16	116	Current	16.033	49	108	Current	44.527
16	117	Current	7.273	49	110	Current	18.028
16	118	Current	15.202	49	111	Current	45.396
17	1	Potential	17.353	49	112	Current	40.154
17	2	Potential	16.143	49	113	Current	37.270
17	3	Potential	35.196	49	114	Current	42.217

17	37	Potential	34.105	49	115	Current	33.040
17	38	Potential	33.493	49	116	Current	30.843
17	39	Potential	32.154	49	117	Current	36.661
17	40	Potential	25.277	50	22	Potential	9.895
17	41	Potential	19.609	50	24	Potential	19.251
17	42	Potential	15.297	50	25	Potential	13.136
17	43	Potential	13.726	50	27	Potential	26.170
17	44	Potential	21.094	50	30	Potential	16.411
17	45	Potential	26.086	50	32	Potential	12.922
17	69	Current	25.539	50	33	Potential	22.581
17	70	Current	20.775	50	34	Potential	15.929
17	71	Current	16.827	50	49	Potential	40.147
17	72	Current	25.012	50	51	Potential	46.470
17	73	Current	17.712	50	53	Potential	46.242
17	93	Current	30.770	50	58	Current	15.887
17	94	Current	2.821	50	59	Current	21.829
17	95	Current	2.781	50	60	Current	17.940
17	96	Current	3.789	50	61	Current	13.159
17	97	Current	22.662	50	66	Current	5.974
17	98	Current	8.970	50	106	Current	34.932
17	99	Current	17.199	50	107	Current	32.800
17	100	Current	13.403	50	108	Current	46.508
17	101	Current	16.013	50	110	Current	28.742
17	102	Current	18.028	50	112	Current	42.135
18	1	Potential	21.822	50	113	Current	39.251
18	2	Potential	13.926	50	114	Current	45.470
18	3	Potential	35.364	50	115	Current	35.022
18	37	Potential	34.273	50	116	Current	32.824
18	38	Potential	33.661	50	117	Current	38.642
18	39	Potential	32.322	52	22	Potential	27.569
18	40	Potential	23.433	52	24	Potential	17.133
18	41	Potential	20.071	52	25	Potential	32.396
18	42	Potential	11.907	52	27	Potential	6.731
18	43	Potential	10.336	52	30	Potential	12.222
18	44	Potential	17.205	52	32	Potential	32.182
18	45	Potential	22.503	52	33	Potential	2.952
18	69	Current	26.002	52	34	Potential	10.903
18	70	Current	16.634	52	46	Potential	27.605
18	71	Current	13.436	52	49	Potential	17.169
18	72	Current	25.475	52	50	Potential	27.858
18	73	Current	14.322	52	51	Potential	22.370
18	93	Current	27.380	52	52	Potential	24.550
18	94	Current	6.634	52	53	Potential	22.142
18	95	Current	6.500	52	58	Current	10.494
18	96	Current	8.257	52	59	Current	5.132
18	97	Current	24.036	52	60	Current	13.340
18	98	Current	8.530	52	61	Current	32.420
18	99	Current	14.982	52	66	Current	19.980
18	100	Current	17.022	52	106	Current	10.832
18	101	Current	16.476	52	107	Current	17.998
18	102	Current	19.403	52	108	Current	23.530
19	1	Potential	0.000	52	110	Current	14.929
19	2	Potential	29.695	52	111	Current	24.086
19	38	Potential	46.449	52	112	Current	21.040
19	39	Potential	45.110	52	113	Current	18.054
19	40	Potential	38.232	52	114	Current	21.370
19	41	Potential	32.564	52	115	Current	14.685
19	42	Potential	28.253	52	116	Current	13.385
19	43	Potential	26.682	52	117	Current	14.542

19	44	Potential	34.646	52	118	Current	27.739
				53	36	Potential	0.527

Table 9. Flooded Scenario (10 cm)- Zone-Ambulance Station Combinations within Threshold

St. Station

T1 Station to Zone Travel Time (min)

T0 Zone to Station Travel Time (min)

T Total Travel Time =T1+T0

St.	Station Type	Zone	T1 (min)	T0 (min)	T (min)	St.	Station Type	Zone	T1 (min)	T0 (min)	T (min)
47	Potential	4	5.085	4.059	9.143	44	Potential	24	19.889	20.717	40.60
48	Potential	4	2.532	4.059	6.590	45	Potential	24	25.188	20.717	45.90
10	Current	4	4.106	4.059	8.164	69	Current	24	21.286	20.717	42.00
10	Current	4	2.723	4.059	6.782	70	Current	24	19.319	20.717	40.03
27	Potential	5	12.031	23.474	35.50	71	Current	24	11.104	20.717	31.82
33	Potential	5	15.810	23.474	39.28	72	Current	24	19.768	20.717	40.48
46	Potential	5	14.701	23.474	38.17	73	Current	24	11.989	20.717	32.70
49	Potential	5	4.288	23.474	27.76	93	Current	24	25.048	20.717	45.76
50	Potential	5	16.041	23.474	39.51	94	Current	24	5.117	20.717	25.83
51	Potential	5	11.719	23.474	35.19	95	Current	24	5.649	20.717	26.36
52	Potential	5	11.544	23.474	35.01	96	Current	24	6.516	20.717	27.23
53	Potential	5	13.838	23.474	37.31	97	Current	24	19.465	20.717	40.18
58	Current	5	22.788	23.474	46.26	98	Current	24	4.125	20.717	24.84
59	Current	5	17.801	23.474	41.27	99	Current	24	19.731	20.717	40.44
10	Current	5	7.909	23.474	31.38	10	Current	24	18.390	20.717	39.10
10	Current	5	10.505	23.474	33.97	10	Current	24	11.193	20.717	31.91
11	Current	5	12.268	23.474	35.74	10	Current	24	14.483	20.717	35.20
11	Current	5	6.465	23.474	29.93	2	Potential	38	18.482	20.592	39.07
11	Current	5	3.293	23.474	26.76	3	Potential	38	24.748	20.592	45.34
11	Current	5	19.644	23.474	43.11	37	Potential	38	23.658	20.592	44.24
11	Current	5	3.571	23.474	27.04	38	Potential	38	23.046	20.592	43.63
11	Current	5	7.020	23.474	30.49	39	Potential	38	21.707	20.592	42.29
11	Current	5	9.699	23.474	33.17	40	Potential	38	14.575	20.592	35.16
11	Current	5	14.659	23.474	38.13	41	Potential	38	14.707	20.592	35.29
49	Potential	6	10.824	33.536	44.36	42	Potential	38	4.604	20.592	25.19
10	Current	6	13.108	33.536	46.64	43	Potential	38	4.953	20.592	25.54
11	Current	6	10.001	33.536	43.53	44	Potential	38	17.913	20.592	38.50
11	Current	6	9.383	33.536	42.91	45	Potential	38	20.748	20.592	41.34
46	Potential	7	7.128	34.183	41.31	69	Current	38	21.159	20.592	41.75
49	Potential	7	9.763	34.183	43.94	70	Current	38	17.343	20.592	37.93
50	Potential	7	12.047	34.183	46.23	71	Current	38	5.138	20.592	25.73
51	Potential	7	8.807	34.183	42.99	72	Current	38	17.452	20.592	38.04
52	Potential	7	2.753	34.183	36.93	73	Current	38	5.449	20.592	26.04
53	Potential	7	11.068	34.183	45.25	93	Current	38	16.763	20.592	37.35
10	Current	7	4.125	34.183	38.30	94	Current	38	15.364	20.592	35.95
11	Current	7	9.356	34.183	43.54	95	Current	38	15.608	20.592	36.20
11	Current	7	12.532	34.183	46.71	96	Current	38	16.762	20.592	37.35

11	Current	7	11.330	34.183	45.51	97	Current	38	24.485	20.592	45.07
11	Current	7	7.086	34.183	41.27	98	Current	38	10.508	20.592	31.10
46	Potential	8	3.987	40.500	44.48	99	Current	38	19.510	20.592	40.10
50	Potential	8	6.194	40.500	46.69	10	Current	38	11.066	20.592	31.65
11	Current	8	4.244	40.500	44.74	10	Current	38	23.422	20.592	44.01
46	Potential	9	6.865	37.622	44.48	2	Potential	39	33.172	11.864	45.03
50	Potential	9	1.575	37.622	39.19	3	Potential	39	5.066	11.864	16.93
51	Potential	9	8.343	37.622	45.96	21	Potential	39	26.716	11.864	38.58
53	Potential	9	7.159	37.622	44.78	37	Potential	39	6.663	11.864	18.52
11	Current	9	7.190	37.622	44.81	38	Potential	39	3.363	11.864	15.22
11	Current	9	7.122	37.622	44.74	39	Potential	39	2.024	11.864	13.88
27	Potential	10	16.743	27.223	43.96	40	Potential	39	6.865	11.864	18.72
46	Potential	10	19.595	27.223	46.81	41	Potential	39	11.091	11.864	22.95
49	Potential	10	11.028	27.223	38.25	42	Potential	39	22.507	11.864	34.37
50	Potential	10	15.505	27.223	42.72	43	Potential	39	22.274	11.864	34.13
51	Potential	10	8.789	27.223	36.01	44	Potential	39	32.603	11.864	44.46
52	Potential	10	16.437	27.223	43.66	45	Potential	39	35.133	11.864	46.99
53	Potential	10	9.796	27.223	37.01	69	Current	39	12.333	11.864	24.19
10	Current	10	11.675	27.223	38.89	70	Current	39	32.033	11.864	43.89
10	Current	10	14.539	27.223	41.76	71	Current	39	21.393	11.864	33.25
11	Current	10	10.560	27.223	37.78	72	Current	39	5.118	11.864	16.98
11	Current	10	15.221	27.223	42.44	73	Current	39	20.508	11.864	32.37
11	Current	10	12.050	27.223	39.27	93	Current	39	22.322	11.864	34.18
11	Current	10	18.495	27.223	45.71	94	Current	39	28.122	11.864	39.98
11	Current	10	10.642	27.223	37.86	95	Current	39	28.654	11.864	40.51
11	Current	10	13.327	27.223	40.55	96	Current	39	29.521	11.864	41.38
11	Current	10	9.956	27.223	37.18	97	Current	39	21.075	11.864	32.93
11	Current	10	19.553	27.223	46.77	98	Current	39	22.062	11.864	33.92
11	Current	11	2.956	33.386	36.34	99	Current	39	34.199	11.864	46.06
47	Potential	12	1.666	3.764	5.430	10	Current	39	15.875	11.864	27.73
48	Potential	12	1.915	3.764	5.679	10	Current	39	21.270	11.864	33.13
10	Current	12	3.772	3.764	7.537	3	Potential	40	0.000	16.930	16.93
10	Current	12	1.723	3.764	5.487	37	Potential	40	7.846	16.930	24.77
24	Potential	13	23.596	16.921	40.51	38	Potential	40	2.072	16.930	19.00
27	Potential	13	5.789	16.921	22.71	39	Potential	40	3.207	16.930	20.13
30	Potential	13	18.050	16.921	34.97	40	Potential	40	11.931	16.930	28.86
33	Potential	13	9.568	16.921	26.48	41	Potential	40	16.157	16.930	33.08
34	Potential	13	17.329	16.921	34.25	42	Potential	40	27.573	16.930	44.50
46	Potential	13	19.347	16.921	36.26	43	Potential	40	27.340	16.930	44.27
49	Potential	13	8.871	16.921	25.79	69	Current	40	17.399	16.930	34.32
50	Potential	13	20.687	16.921	37.60	71	Current	40	26.459	16.930	43.38
51	Potential	13	16.365	16.921	33.28	72	Current	40	10.184	16.930	27.11
52	Potential	13	16.190	16.921	33.11	73	Current	40	25.574	16.930	42.50
53	Potential	13	16.509	16.921	33.43	93	Current	40	27.388	16.930	44.31
58	Current	13	16.546	16.921	33.46	97	Current	40	26.141	16.930	43.07
59	Current	13	11.559	16.921	28.47	98	Current	40	27.128	16.930	44.05
60	Current	13	19.766	16.921	36.68	10	Current	40	20.941	16.930	37.87
66	Current	13	26.032	16.921	42.95	10	Current	40	26.336	16.930	43.26
10	Current	13	7.808	16.921	24.72	2	Potential	41	31.551	12.191	43.74
10	Current	13	23.164	16.921	40.08	3	Potential	41	13.259	12.191	25.45
10	Current	13	15.151	16.921	32.07	21	Potential	41	27.078	12.191	39.27
11	Current	13	20.095	16.921	37.01	37	Potential	41	12.168	12.191	24.36
11	Current	13	16.914	16.921	33.83	38	Potential	41	11.557	12.191	23.74
11	Current	13	10.008	16.921	26.92	39	Potential	41	10.217	12.191	22.40
11	Current	13	8.719	16.921	25.64	40	Potential	41	1.350	12.191	13.54
11	Current	13	21.732	16.921	38.65	41	Potential	41	9.215	12.191	21.40

11	Current	13	4.480	16.921	21.40	42	Potential	41	17.832	12.191	30.02
11	Current	13	4.639	16.921	21.56	43	Potential	41	17.599	12.191	29.79
11	Current	13	11.102	16.921	28.02	44	Potential	41	30.982	12.191	43.17
11	Current	13	19.305	16.921	36.22	45	Potential	41	33.512	12.191	45.70
27	Potential	14	18.293	26.059	44.35	69	Current	41	12.696	12.191	24.88
33	Potential	14	18.516	26.059	44.57	70	Current	41	30.411	12.191	42.60
49	Potential	14	19.326	26.059	45.38	71	Current	41	19.147	12.191	31.33
51	Potential	14	17.719	26.059	43.77	72	Current	41	8.010	12.191	20.20
53	Potential	14	17.272	26.059	43.33	73	Current	41	18.887	12.191	31.07
59	Current	14	20.697	26.059	46.75	93	Current	41	20.701	12.191	32.89
10	Current	14	11.703	26.059	37.76	94	Current	41	24.619	12.191	36.81
10	Current	14	16.542	26.059	42.60	95	Current	41	25.151	12.191	37.34
11	Current	14	20.880	26.059	46.93	96	Current	41	26.017	12.191	38.20
11	Current	14	19.395	26.059	45.45	97	Current	41	21.438	12.191	33.62
11	Current	14	20.222	26.059	46.28	98	Current	41	18.559	12.191	30.75
11	Current	14	10.789	26.059	36.84	99	Current	41	32.578	12.191	44.77
11	Current	14	17.271	26.059	43.33	10	Current	41	12.371	12.191	24.56
11	Current	14	19.423	26.059	45.48	10	Current	41	21.632	12.191	33.82
11	Current	14	10.998	26.059	37.05	22	Potential	47	28.087	11.387	39.47
24	Potential	15	20.872	24.905	45.77	24	Potential	47	18.062	11.387	29.45
30	Potential	15	20.994	24.905	45.89	25	Potential	47	32.894	11.387	44.28
33	Potential	15	21.785	24.905	46.68	27	Potential	47	0.255	11.387	11.64
34	Potential	15	19.138	24.905	44.04	30	Potential	47	12.517	11.387	23.90
59	Current	15	20.862	24.905	45.76	32	Potential	47	32.680	11.387	44.06
60	Current	15	20.964	24.905	45.86	33	Potential	47	4.035	11.387	15.42
10	Current	15	19.902	24.905	44.80	34	Potential	47	11.796	11.387	23.18
10	Current	15	2.459	24.905	27.36	46	Potential	47	23.733	11.387	35.12
11	Current	15	10.687	24.905	35.59	49	Potential	47	13.257	11.387	24.64
11	Current	15	20.846	24.905	45.75	50	Potential	47	25.073	11.387	36.46
46	Potential	16	16.707	29.675	46.38	51	Potential	47	20.237	11.387	31.62
49	Potential	16	12.667	29.675	42.34	52	Potential	47	20.575	11.387	31.96
50	Potential	16	11.162	29.675	40.83	53	Potential	47	19.789	11.387	31.17
51	Potential	16	5.901	29.675	35.57	58	Current	47	11.012	11.387	22.40
52	Potential	16	13.549	29.675	43.22	59	Current	47	6.025	11.387	17.41
53	Potential	16	5.453	29.675	35.12	60	Current	47	14.232	11.387	25.62
10	Current	16	10.886	29.675	40.56	61	Current	47	32.918	11.387	44.30
10	Current	16	11.652	29.675	41.32	66	Current	47	20.499	11.387	31.88
11	Current	16	7.577	29.675	37.25	10	Current	47	11.088	11.387	22.47
11	Current	16	15.675	29.675	45.34	10	Current	47	23.552	11.387	34.93
11	Current	16	14.234	29.675	43.90	10	Current	47	19.537	11.387	30.92
11	Current	16	16.880	29.675	46.55	11	Current	47	20.483	11.387	31.87
11	Current	16	12.907	29.675	42.58	11	Current	47	21.300	11.387	32.68
11	Current	16	15.592	29.675	45.26	11	Current	47	14.394	11.387	25.78
11	Current	16	8.341	29.675	38.01	11	Current	47	13.105	11.387	24.49
11	Current	16	16.665	29.675	46.34	11	Current	47	22.410	11.387	33.79
1	Potential	17	17.365	25.539	42.90	11	Current	47	8.866	11.387	20.25
2	Potential	17	17.426	25.539	42.96	11	Current	47	6.696	11.387	18.08
41	Potential	17	19.655	25.539	45.19	11	Current	47	14.383	11.387	25.77
42	Potential	17	15.299	25.539	40.83	11	Current	47	23.691	11.387	35.07
43	Potential	17	13.728	25.539	39.26	22	Potential	48	18.196	6.389	24.58
71	Current	17	16.828	25.539	42.36	24	Potential	48	10.072	6.389	16.46
73	Current	17	17.713	25.539	43.25	25	Potential	48	23.003	6.389	29.39
94	Current	17	2.872	25.539	28.41	27	Potential	48	14.220	6.389	20.60
95	Current	17	2.731	25.539	28.27	30	Potential	48	2.437	6.389	8.826
96	Current	17	3.801	25.539	29.34	32	Potential	48	22.789	6.389	29.17
98	Current	17	8.946	25.539	34.48	33	Potential	48	10.631	6.389	17.02

99	Current	17	19.984	25.539	45.52	34	Potential	48	4.920	6.389	11.30
10	Current	17	13.405	25.539	38.94	46	Potential	48	38.209	6.389	44.59
10	Current	17	16.014	25.539	41.55	49	Potential	48	27.733	6.389	34.12
10	Current	17	18.027	25.539	43.56	50	Potential	48	39.548	6.389	45.93
2	Potential	18	16.009	26.002	42.01	51	Potential	48	34.683	6.389	41.07
41	Potential	18	20.106	26.002	46.10	52	Potential	48	35.051	6.389	41.44
42	Potential	18	11.907	26.002	37.90	53	Potential	48	34.235	6.389	40.62
43	Potential	18	10.336	26.002	36.33	58	Current	48	6.350	6.389	12.73
44	Potential	18	17.205	26.002	43.20	59	Current	48	9.503	6.389	15.89
70	Current	18	16.634	26.002	42.63	60	Current	48	7.010	6.389	13.39
71	Current	18	13.436	26.002	39.43	61	Current	48	23.027	6.389	29.41
73	Current	18	14.322	26.002	40.32	66	Current	48	10.607	6.389	16.99
94	Current	18	6.634	26.002	32.63	10	Current	48	22.982	6.389	29.37
95	Current	18	6.450	26.002	32.45	10	Current	48	20.580	6.389	26.96
96	Current	18	8.257	26.002	34.25	10	Current	48	34.012	6.389	40.40
98	Current	18	8.530	26.002	34.53	11	Current	48	17.511	6.389	23.90
99	Current	18	17.037	26.002	43.03	11	Current	48	35.776	6.389	42.16
10	Current	18	17.558	26.002	43.56	11	Current	48	28.869	6.389	35.25
10	Current	18	16.464	26.002	42.46	11	Current	48	27.580	6.389	33.96
10	Current	18	19.407	26.002	45.40	11	Current	48	33.519	6.389	39.90
1	Potential	19	0.000	38.411	38.41	11	Current	48	23.342	6.389	29.73
1	Potential	20	33.597	12.024	45.62	11	Current	48	21.172	6.389	27.56
2	Potential	20	33.653	12.024	45.67	11	Current	48	26.645	6.389	33.03
21	Potential	20	10.591	12.024	22.61	11	Current	48	38.167	6.389	44.55
39	Potential	20	33.640	12.024	45.66	22	Potential	49	17.636	13.906	31.54
40	Potential	20	27.188	12.024	39.21	24	Potential	49	6.668	13.906	20.57
41	Potential	20	21.566	12.024	33.58	25	Potential	49	22.443	13.906	36.34
42	Potential	20	26.382	12.024	38.40	27	Potential	49	24.438	13.906	38.34
43	Potential	20	24.811	12.024	36.83	30	Potential	49	14.137	13.906	28.04
69	Current	20	28.017	12.024	40.04	32	Potential	49	22.230	13.906	36.13
71	Current	20	27.912	12.024	39.93	33	Potential	49	20.849	13.906	34.75
72	Current	20	26.499	12.024	38.52	34	Potential	49	12.898	13.906	26.80
73	Current	20	28.797	12.024	40.82	58	Current	49	13.906	13.906	27.81
94	Current	20	20.718	12.024	32.74	59	Current	49	18.798	13.906	32.70
95	Current	20	21.184	12.024	33.20	60	Current	49	10.461	13.906	24.36
96	Current	20	20.272	12.024	32.29	61	Current	49	22.467	13.906	36.37
97	Current	20	4.950	12.024	16.97	66	Current	49	10.048	13.906	23.95
98	Current	20	19.686	12.024	31.71	10	Current	49	25.255	13.906	39.16
10	Current	20	33.925	12.024	45.94	11	Current	49	18.010	13.906	31.91
10	Current	20	16.166	12.024	28.19	11	Current	49	31.390	13.906	45.29
10	Current	20	8.737	12.024	20.76	22	Potential	50	9.885	15.887	25.77
1	Potential	21	34.894	11.468	46.36	24	Potential	50	19.262	15.887	35.14
2	Potential	21	31.433	11.468	42.90	25	Potential	50	13.083	15.887	28.97
3	Potential	21	20.733	11.468	32.20	27	Potential	50	26.545	15.887	42.43
21	Potential	21	26.451	11.468	37.91	30	Potential	50	16.506	15.887	32.39
37	Potential	21	19.642	11.468	31.11	32	Potential	50	12.870	15.887	28.75
38	Potential	21	19.030	11.468	30.49	33	Potential	50	22.956	15.887	38.84
39	Potential	21	17.691	11.468	29.15	34	Potential	50	15.929	15.887	31.81
40	Potential	21	12.837	11.468	24.30	58	Current	50	15.887	15.887	31.77
41	Potential	21	5.422	11.468	16.89	59	Current	50	21.829	15.887	37.71
42	Potential	21	18.921	11.468	30.38	60	Current	50	17.940	15.887	33.82
43	Potential	21	18.688	11.468	30.15	61	Current	50	13.107	15.887	28.99
44	Potential	21	31.691	11.468	43.16	66	Current	50	5.974	15.887	21.86
69	Current	21	12.068	11.468	23.53	11	Current	50	28.742	15.887	44.62
70	Current	21	31.121	11.468	42.58	22	Potential	52	27.194	10.494	37.68
71	Current	21	20.235	11.468	31.70	24	Potential	52	17.170	10.494	27.66

72	Current	21	10.549	11.468	22.01	25	Potential	52	32.001	10.494	42.49
73	Current	21	20.546	11.468	32.01	27	Potential	52	6.731	10.494	17.22
93	Current	21	28.790	11.468	40.25	30	Potential	52	11.624	10.494	22.11
94	Current	21	19.931	11.468	31.39	32	Potential	52	31.788	10.494	42.28
95	Current	21	20.463	11.468	31.93	33	Potential	52	2.952	10.494	13.44
96	Current	21	21.330	11.468	32.79	34	Potential	52	10.903	10.494	21.39
97	Current	21	20.810	11.468	32.27	46	Potential	52	27.789	10.494	38.28
98	Current	21	13.871	11.468	25.33	49	Potential	52	17.313	10.494	27.80
99	Current	21	32.461	11.468	43.92	50	Potential	52	27.794	10.494	38.28
10	Current	21	33.204	11.468	44.67	51	Potential	52	22.533	10.494	33.02
10	Current	21	7.683	11.468	19.15	52	Potential	52	24.632	10.494	35.12
10	Current	21	21.005	11.468	32.47	53	Potential	52	22.085	10.494	32.58
2	Potential	22	0.000	35.034	35.03	58	Current	52	10.120	10.494	20.61
44	Potential	22	7.814	35.034	42.84	59	Current	52	5.132	10.494	15.62
70	Current	22	7.495	35.034	42.52	60	Current	52	13.340	10.494	23.83
99	Current	22	3.681	35.034	38.71	61	Current	52	32.025	10.494	42.52
10	Current	22	10.910	35.034	45.94	66	Current	52	19.606	10.494	30.10
43	Potential	23	16.998	28.808	45.80	10	Current	52	10.832	10.494	21.32
94	Current	23	6.152	28.808	34.95	10	Current	52	17.998	10.494	28.49
95	Current	23	6.204	28.808	35.01	10	Current	52	23.593	10.494	34.08
96	Current	23	5.366	28.808	34.17	11	Current	52	14.929	10.494	25.42
98	Current	23	12.216	28.808	41.02	11	Current	52	24.209	10.494	34.70
10	Current	23	16.266	28.808	45.07	11	Current	52	20.255	10.494	30.74
1	Potential	24	20.080	20.717	40.79	11	Current	52	18.152	10.494	28.64
2	Potential	24	17.918	20.717	38.63	11	Current	52	21.370	10.494	31.86
21	Potential	24	25.105	20.717	45.82	11	Current	52	14.539	10.494	25.03
40	Potential	24	20.457	20.717	41.17	11	Current	52	13.683	10.494	24.17
41	Potential	24	14.835	20.717	35.55	11	Current	52	14.495	10.494	24.99
42	Potential	24	9.575	20.717	30.29	11	Current	52	27.747	10.494	38.24
43	Potential	24	8.004	20.717	28.72	36	Potential	53	0.527	0.527	1.054

Table 10: Flooded Scenario (10 cm) - Zones to Staging Stations Travel Times

St. Station

T0 Zone to Station Travel Time (min)

Zone	St.	Station Type	T0(min)	Zone	St.	Station Type	T0(min)
1	11	Potential	7.157	21	94	Current	19.933
1	54	Current	4.685	21	95	Current	20.149
1	86	Current	7.779	21	96	Current	21.332
2	92	Current	8.410	21	97	Current	20.767
3	1	Potential	36.958	21	98	Current	13.859
3	2	Potential	34.695	21	99	Current	30.863
3	3	Potential	29.152	21	100	Current	32.878
3	6	Potential	9.225	21	101	Current	7.683
3	21	Potential	5.221	21	102	Current	21.262
3	37	Potential	28.061	22	1	Potential	32.106
3	38	Potential	27.450	22	2	Potential	0.000
3	39	Potential	26.110	22	3	Potential	38.238
3	40	Potential	23.099	22	6	Potential	43.859
3	41	Potential	18.853	22	21	Potential	39.855
3	42	Potential	29.340	22	37	Potential	37.147
3	43	Potential	27.769	22	38	Potential	36.535
3	44	Potential	39.646	22	39	Potential	35.196
3	45	Potential	44.637	22	40	Potential	30.222
3	69	Current	12.262	22	41	Potential	29.103
3	70	Current	39.084	22	42	Potential	15.610
3	71	Current	30.739	22	43	Potential	14.754
3	72	Current	18.969	22	44	Potential	7.624
3	73	Current	31.050	22	45	Potential	12.616
3	88	Current	8.923	22	69	Current	35.034
3	93	Current	41.108	22	70	Current	7.305
3	94	Current	24.079	22	71	Current	14.081
3	95	Current	24.295	22	72	Current	32.948
3	96	Current	23.632	22	73	Current	13.195
3	97	Current	3.794	22	88	Current	43.557
3	98	Current	22.830	22	93	Current	25.722
3	99	Current	35.751	22	94	Current	16.918
3	100	Current	37.282	22	95	Current	16.784
3	101	Current	16.430	22	96	Current	18.541
3	102	Current	8.992	22	97	Current	33.655
4	19	Potential	9.341	22	98	Current	17.562
4	47	Potential	5.085	22	99	Current	3.729
4	48	Potential	2.532	22	100	Current	10.910
4	103	Current	4.059	22	101	Current	25.507
4	105	Current	2.723	22	102	Current	29.021
5	22	Potential	33.843	23	1	Potential	18.931
5	24	Potential	30.113	23	2	Potential	19.559
5	25	Potential	39.903	23	3	Potential	38.465
5	27	Potential	12.342	23	6	Potential	35.058
5	30	Potential	25.202	23	21	Potential	31.054
5	32	Potential	39.137	23	37	Potential	37.374
5	33	Potential	16.122	23	38	Potential	36.762
5	34	Potential	23.883	23	39	Potential	35.423

5	46	Potential	14.700	23	40	Potential	28.546
5	49	Potential	4.344	23	41	Potential	22.877
5	50	Potential	15.891	23	42	Potential	18.566
5	51	Potential	11.146	23	43	Potential	16.995
5	52	Potential	11.645	23	44	Potential	24.510
5	53	Potential	13.447	23	45	Potential	29.501
5	58	Current	23.474	23	69	Current	28.808
5	59	Current	18.112	23	70	Current	24.191
5	60	Current	26.319	23	71	Current	20.095
5	61	Current	39.375	23	72	Current	28.281
5	66	Current	32.960	23	73	Current	20.981
5	68	Current	30.144	23	88	Current	34.756
5	104	Current	11.360	23	93	Current	34.039
5	106	Current	8.123	23	94	Current	6.090
5	107	Current	24.839	23	95	Current	6.232
5	108	Current	10.625	23	96	Current	5.366
5	110	Current	24.246	23	97	Current	24.854
5	111	Current	11.495	23	98	Current	12.239
5	112	Current	6.263	23	99	Current	20.615
5	113	Current	3.277	23	100	Current	16.283
5	114	Current	19.813	23	101	Current	19.282
5	115	Current	3.221	23	102	Current	20.220
5	116	Current	7.485	24	1	Potential	20.080
5	117	Current	9.836	24	2	Potential	15.167
5	118	Current	14.834	24	3	Potential	30.374
6	22	Potential	43.906	24	6	Potential	28.826
6	24	Potential	40.175	24	21	Potential	24.822
6	27	Potential	22.405	24	37	Potential	29.283
6	30	Potential	35.264	24	38	Potential	28.671
6	33	Potential	26.184	24	39	Potential	27.332
6	34	Potential	33.945	24	40	Potential	20.455
6	46	Potential	17.290	24	41	Potential	14.787
6	49	Potential	10.782	24	42	Potential	9.572
6	50	Potential	18.811	24	43	Potential	8.001
6	51	Potential	15.136	24	44	Potential	19.887
6	52	Potential	14.235	24	45	Potential	25.109
6	53	Potential	17.476	24	69	Current	20.717
6	58	Current	33.536	24	70	Current	19.316
6	59	Current	28.174	24	71	Current	11.101
6	60	Current	36.382	24	72	Current	20.190
6	66	Current	43.023	24	73	Current	11.987
6	68	Current	40.206	24	88	Current	28.524
6	104	Current	14.864	24	93	Current	25.045
6	106	Current	19.027	24	94	Current	5.117
6	107	Current	35.743	24	95	Current	5.333
6	108	Current	13.215	24	96	Current	6.516
6	110	Current	35.097	24	97	Current	18.621
6	111	Current	15.524	24	98	Current	4.148
6	112	Current	9.768	24	99	Current	16.222
6	113	Current	9.358	24	100	Current	18.238
6	114	Current	30.718	24	101	Current	11.191
6	115	Current	13.283	24	102	Current	13.988
6	116	Current	17.547	25	7	Potential	9.622
6	117	Current	20.740	25	8	Potential	11.937
6	118	Current	17.424	25	10	Potential	11.868
7	22	Potential	44.552	25	13	Potential	25.712

7	24	Potential	40.822	25	16	Potential	26.470
7	27	Potential	23.051	25	17	Potential	9.781
7	30	Potential	35.911	25	19	Potential	22.625
7	33	Potential	26.831	25	20	Potential	25.124
7	34	Potential	34.592	25	75	Current	26.287
7	46	Potential	6.976	25	80	Current	10.688
7	49	Potential	9.657	25	81	Current	9.646
7	50	Potential	12.114	25	82	Current	4.524
7	51	Potential	8.881	25	83	Current	11.255
7	52	Potential	2.753	25	84	Current	5.049
7	53	Potential	11.182	25	85	Current	13.649
7	58	Current	34.183	26	7	Potential	7.873
7	59	Current	28.821	26	8	Potential	4.872
7	60	Current	37.028	26	10	Potential	2.989
7	66	Current	43.669	26	13	Potential	18.394
7	68	Current	40.853	26	16	Potential	19.152
7	104	Current	17.042	26	17	Potential	0.612
7	106	Current	18.629	26	19	Potential	15.307
7	107	Current	33.903	26	20	Potential	17.806
7	108	Current	4.106	26	75	Current	18.969
7	110	Current	34.753	26	80	Current	3.371
7	111	Current	9.229	26	81	Current	0.477
7	112	Current	11.946	26	83	Current	9.506
7	113	Current	11.255	26	84	Current	6.310
7	114	Current	27.774	26	85	Current	11.900
7	115	Current	13.930	27	7	Potential	6.163
7	116	Current	18.194	27	8	Potential	5.106
7	117	Current	17.797	27	10	Potential	5.037
7	118	Current	7.110	27	13	Potential	18.881
8	27	Potential	29.368	27	16	Potential	19.639
8	30	Potential	42.228	27	17	Potential	2.950
8	33	Potential	33.147	27	19	Potential	15.794
8	34	Potential	40.909	27	20	Potential	18.293
8	46	Potential	6.774	27	75	Current	19.457
8	49	Potential	15.974	27	80	Current	3.858
8	50	Potential	4.452	27	81	Current	2.816
8	51	Potential	11.211	27	83	Current	7.795
8	52	Potential	11.383	27	84	Current	4.600
8	53	Potential	10.030	27	85	Current	10.190
8	58	Current	40.500	28	7	Potential	11.096
8	59	Current	35.138	28	8	Potential	7.812
8	60	Current	43.345	28	10	Potential	0.498
8	104	Current	23.359	28	13	Potential	21.334
8	106	Current	22.080	28	16	Potential	22.092
8	107	Current	34.600	28	17	Potential	3.120
8	108	Current	12.783	28	19	Potential	18.247
8	110	Current	38.939	28	20	Potential	20.746
8	111	Current	10.061	28	75	Current	21.909
8	112	Current	18.262	28	80	Current	6.310
8	113	Current	17.572	28	81	Current	3.242
8	114	Current	28.472	28	83	Current	12.729
8	115	Current	20.247	28	84	Current	9.533
8	116	Current	24.511	28	85	Current	15.124
8	117	Current	18.495	31	7	Potential	19.815
8	118	Current	6.860	31	8	Potential	16.087
9	24	Potential	44.261	31	10	Potential	21.935

9	27	Potential	26.490	31	13	Potential	6.537
9	30	Potential	39.350	31	16	Potential	7.295
9	33	Potential	30.270	31	17	Potential	19.870
9	34	Potential	38.031	31	19	Potential	14.280
9	46	Potential	7.165	31	20	Potential	5.949
9	49	Potential	13.096	31	75	Current	1.164
9	50	Potential	1.575	31	80	Current	16.649
9	51	Potential	8.334	31	81	Current	19.992
9	52	Potential	11.773	31	83	Current	21.448
9	53	Potential	7.152	31	84	Current	23.825
9	58	Current	37.622	31	85	Current	23.842
9	59	Current	32.260	33	7	Potential	9.163
9	60	Current	40.468	33	8	Potential	5.435
9	68	Current	44.292	33	10	Potential	11.283
9	104	Current	20.481	33	13	Potential	9.826
9	106	Current	19.202	33	16	Potential	10.584
9	107	Current	31.723	33	17	Potential	9.218
9	108	Current	10.360	33	19	Potential	6.739
9	110	Current	36.062	33	20	Potential	9.238
9	111	Current	7.183	33	75	Current	10.402
9	112	Current	15.385	33	80	Current	5.997
9	113	Current	14.694	33	81	Current	9.340
9	114	Current	25.594	33	83	Current	10.796
9	115	Current	17.369	33	84	Current	13.173
9	116	Current	21.633	33	85	Current	13.190
9	117	Current	15.617	34	7	Potential	3.757
9	118	Current	7.250	34	8	Potential	1.084
10	22	Potential	37.592	34	10	Potential	7.395
10	24	Potential	33.862	34	13	Potential	15.750
10	25	Potential	43.652	34	16	Potential	16.508
10	27	Potential	16.091	34	17	Potential	5.330
10	30	Potential	28.951	34	19	Potential	12.663
10	32	Potential	42.886	34	20	Potential	15.162
10	33	Potential	19.871	34	75	Current	16.325
10	34	Potential	27.632	34	80	Current	2.108
10	46	Potential	15.408	34	81	Current	5.451
10	49	Potential	10.575	34	83	Current	5.390
10	50	Potential	14.886	34	84	Current	8.896
10	51	Potential	8.191	34	85	Current	7.784
10	52	Potential	12.353	36	7	Potential	13.802
10	53	Potential	9.170	36	8	Potential	10.074
10	58	Current	27.223	36	10	Potential	15.922
10	59	Current	21.861	36	13	Potential	1.536
10	60	Current	30.068	36	16	Potential	1.282
10	61	Current	43.124	36	17	Potential	13.858
10	66	Current	36.709	36	19	Potential	8.267
10	68	Current	33.893	36	20	Potential	1.980
10	104	Current	19.531	36	75	Current	9.954
10	106	Current	11.564	36	80	Current	10.636
10	107	Current	24.305	36	81	Current	13.979
10	108	Current	10.477	36	83	Current	15.435
10	110	Current	27.688	36	84	Current	17.812
10	111	Current	9.907	36	85	Current	17.829
10	112	Current	14.435	37	7	Potential	15.781
10	113	Current	11.461	37	8	Potential	12.053
10	114	Current	18.176	37	10	Potential	17.902

10	115	Current	9.402	37	13	Potential	2.503
10	116	Current	13.553	37	16	Potential	3.262
10	117	Current	8.199	37	17	Potential	15.837
10	118	Current	15.542	37	19	Potential	10.246
11	22	Potential	43.755	37	20	Potential	1.915
11	24	Potential	38.487	37	75	Current	3.376
11	27	Potential	25.621	37	80	Current	12.616
11	30	Potential	35.114	37	81	Current	15.958
11	33	Potential	25.844	37	83	Current	17.414
11	34	Potential	33.795	37	84	Current	19.791
11	46	Potential	29.865	37	85	Current	19.809
11	49	Potential	23.598	40	1	Potential	30.330
11	50	Potential	27.053	40	2	Potential	18.473
11	51	Potential	21.565	40	3	Potential	24.748
11	52	Potential	26.810	40	6	Potential	34.354
11	53	Potential	21.337	40	21	Potential	30.350
11	58	Current	33.386	40	37	Potential	23.658
11	59	Current	28.024	40	38	Potential	23.046
11	60	Current	36.232	40	39	Potential	21.707
11	66	Current	42.872	40	40	Potential	14.575
11	68	Current	40.056	40	41	Potential	14.661
11	104	Current	32.566	40	42	Potential	4.604
11	106	Current	17.223	40	43	Potential	4.953
11	107	Current	23.979	40	44	Potential	17.913
11	108	Current	24.933	40	45	Potential	20.748
11	110	Current	28.318	40	69	Current	20.592
11	111	Current	23.281	40	70	Current	17.343
11	112	Current	27.470	40	71	Current	5.138
11	113	Current	24.484	40	72	Current	17.497
11	114	Current	2.955	40	73	Current	5.449
11	115	Current	22.425	40	88	Current	34.052
11	116	Current	25.781	40	93	Current	16.763
11	117	Current	14.413	40	94	Current	15.367
11	118	Current	29.999	40	95	Current	15.583
12	19	Potential	8.544	40	96	Current	16.765
12	47	Potential	1.666	40	97	Current	24.149
12	48	Potential	1.915	40	98	Current	10.508
12	103	Current	3.764	40	99	Current	19.529
12	105	Current	1.723	40	100	Current	26.405
13	22	Potential	27.290	40	101	Current	11.066
13	24	Potential	23.559	40	102	Current	23.825
13	25	Potential	33.350	41	1	Potential	42.663
13	27	Potential	5.789	41	2	Potential	33.163
13	30	Potential	18.649	41	3	Potential	5.066
13	32	Potential	32.584	41	6	Potential	38.738
13	33	Potential	9.568	41	21	Potential	34.734
13	34	Potential	17.329	41	37	Potential	6.663
13	46	Potential	20.300	41	38	Potential	3.363
13	49	Potential	9.864	41	39	Potential	2.024
13	50	Potential	21.491	41	40	Potential	6.865
13	51	Potential	16.747	41	41	Potential	10.699
13	52	Potential	17.245	41	42	Potential	22.507
13	53	Potential	16.975	41	43	Potential	22.274
13	58	Current	16.921	41	44	Potential	32.603
13	59	Current	11.559	41	45	Potential	35.133
13	60	Current	19.766	41	69	Current	11.864

13	61	Current	32.821	41	70	Current	32.033
13	66	Current	26.407	41	71	Current	21.393
13	68	Current	23.591	41	72	Current	5.118
13	104	Current	14.572	41	73	Current	20.508
13	106	Current	8.520	41	88	Current	38.436
13	107	Current	23.164	41	93	Current	22.322
13	108	Current	16.226	41	94	Current	27.700
13	110	Current	20.095	41	95	Current	27.916
13	111	Current	17.095	41	96	Current	29.098
13	112	Current	11.728	41	97	Current	28.534
13	113	Current	8.742	41	98	Current	21.626
13	114	Current	21.732	41	99	Current	34.219
13	115	Current	4.513	41	100	Current	40.644
13	116	Current	4.639	41	101	Current	15.450
13	117	Current	11.905	41	102	Current	29.029
13	118	Current	20.434	42	2	Potential	38.229
14	22	Potential	36.428	42	3	Potential	0.000
14	24	Potential	31.049	42	6	Potential	43.804
14	25	Potential	42.488	42	21	Potential	39.800
14	27	Potential	18.293	42	37	Potential	7.846
14	30	Potential	27.787	42	38	Potential	2.072
14	32	Potential	41.722	42	39	Potential	3.207
14	33	Potential	18.516	42	40	Potential	11.931
14	34	Potential	26.468	42	41	Potential	15.765
14	46	Potential	25.831	42	42	Potential	27.573
14	49	Potential	19.192	42	43	Potential	27.340
14	50	Potential	23.019	42	44	Potential	37.669
14	51	Potential	17.531	42	45	Potential	40.199
14	52	Potential	22.776	42	69	Current	16.930
14	53	Potential	17.303	42	70	Current	37.098
14	58	Current	26.059	42	71	Current	26.459
14	59	Current	20.697	42	72	Current	10.184
14	60	Current	28.904	42	73	Current	25.574
14	61	Current	41.959	42	88	Current	43.502
14	66	Current	35.545	42	93	Current	27.388
14	68	Current	32.729	42	94	Current	32.766
14	104	Current	27.862	42	95	Current	32.982
14	106	Current	11.684	42	96	Current	34.164
14	107	Current	16.542	42	97	Current	33.600
14	108	Current	20.899	42	98	Current	26.692
14	110	Current	20.880	42	99	Current	39.285
14	111	Current	19.247	42	100	Current	45.710
14	112	Current	23.064	42	101	Current	20.516
14	113	Current	20.078	42	102	Current	34.095
14	114	Current	10.789	43	1	Potential	39.584
14	115	Current	16.950	43	2	Potential	31.542
14	116	Current	19.228	43	3	Potential	13.259
14	117	Current	10.006	43	6	Potential	35.659
14	118	Current	25.965	43	21	Potential	31.655
15	22	Potential	36.463	43	37	Potential	12.168
15	24	Potential	20.855	43	38	Potential	11.557
15	25	Potential	42.108	43	39	Potential	10.217
15	27	Potential	25.564	43	40	Potential	1.350
15	30	Potential	20.893	43	41	Potential	9.219
15	32	Potential	41.342	43	42	Potential	17.832
15	33	Potential	21.785	43	43	Potential	17.599

15	34	Potential	19.138	43	44	Potential	30.982
15	46	Potential	35.678	43	45	Potential	33.512
15	49	Potential	27.908	43	69	Current	12.191
15	50	Potential	32.867	43	70	Current	30.411
15	51	Potential	27.379	43	71	Current	19.147
15	52	Potential	32.623	43	72	Current	8.010
15	53	Potential	27.151	43	73	Current	18.887
15	58	Current	24.905	43	88	Current	35.357
15	59	Current	20.862	43	93	Current	20.701
15	60	Current	20.964	43	94	Current	24.621
15	61	Current	41.579	43	95	Current	24.837
15	66	Current	29.140	43	96	Current	26.020
15	68	Current	32.764	43	97	Current	25.455
15	104	Current	36.061	43	98	Current	18.547
15	106	Current	19.883	43	99	Current	32.597
15	107	Current	2.459	43	100	Current	37.136
15	108	Current	30.747	43	101	Current	12.371
15	110	Current	10.687	43	102	Current	25.950
15	111	Current	29.094	45	28	Potential	1.314
15	112	Current	31.780	45	55	Current	2.309
15	113	Current	28.794	47	22	Potential	10.102
15	114	Current	23.292	47	24	Potential	30.403
15	115	Current	25.149	47	25	Potential	4.259
15	116	Current	27.299	47	27	Potential	36.114
15	117	Current	19.854	47	30	Potential	26.355
15	118	Current	35.812	47	32	Potential	3.689
16	22	Potential	40.044	47	33	Potential	32.525
16	24	Potential	36.313	47	34	Potential	25.873
16	25	Potential	46.104	47	58	Current	25.831
16	27	Potential	18.572	47	59	Current	31.773
16	30	Potential	31.402	47	60	Current	27.884
16	32	Potential	45.338	47	61	Current	4.091
16	33	Potential	22.132	47	66	Current	15.871
16	34	Potential	30.083	47	68	Current	32.352
16	46	Potential	15.068	47	106	Current	44.876
16	49	Potential	11.806	47	107	Current	42.744
16	50	Potential	11.143	47	110	Current	38.686
16	51	Potential	5.656	47	115	Current	44.966
16	52	Potential	12.013	47	116	Current	42.768
16	53	Potential	5.427	49	36	Potential	1.998
16	58	Current	29.675	50	22	Potential	21.756
16	59	Current	24.312	50	24	Potential	18.026
16	60	Current	32.520	50	25	Potential	27.816
16	61	Current	45.575	50	27	Potential	0.255
16	66	Current	39.161	50	30	Potential	13.115
16	68	Current	36.345	50	32	Potential	27.050
16	104	Current	19.190	50	33	Potential	4.035
16	106	Current	10.858	50	34	Potential	11.796
16	107	Current	23.379	50	46	Potential	24.157
16	108	Current	10.136	50	49	Potential	13.721
16	110	Current	27.718	50	50	Potential	25.348
16	111	Current	7.371	50	51	Potential	20.483
16	112	Current	14.094	50	52	Potential	21.102
16	113	Current	13.404	50	53	Potential	20.255
16	114	Current	17.251	50	58	Current	11.387
16	115	Current	12.191	50	59	Current	6.025

16	116	Current	16.033	50	60	Current	14.232
16	117	Current	7.273	50	61	Current	27.288
16	118	Current	15.202	50	66	Current	20.873
17	1	Potential	17.353	50	68	Current	18.057
17	2	Potential	16.143	50	104	Current	18.958
17	3	Potential	35.196	50	106	Current	11.800
17	6	Potential	32.866	50	107	Current	23.552
17	21	Potential	28.862	50	108	Current	20.082
17	37	Potential	34.105	50	110	Current	20.483
17	38	Potential	33.493	50	111	Current	20.951
17	39	Potential	32.154	50	112	Current	15.811
17	40	Potential	25.277	50	113	Current	12.825
17	41	Potential	19.609	50	114	Current	22.410
17	42	Potential	15.297	50	115	Current	8.596
17	43	Potential	13.726	50	116	Current	6.398
17	44	Potential	21.094	50	117	Current	15.185
17	45	Potential	26.086	50	118	Current	24.291
17	69	Current	25.539	51	22	Potential	17.947
17	70	Current	20.775	51	24	Potential	9.962
17	71	Current	16.827	51	25	Potential	23.575
17	72	Current	25.012	51	27	Potential	13.624
17	73	Current	17.712	51	30	Potential	2.377
17	88	Current	32.564	51	32	Potential	22.809
17	93	Current	30.770	51	33	Potential	10.035
17	94	Current	2.821	51	34	Potential	4.919
17	95	Current	2.781	51	46	Potential	38.036
17	96	Current	3.789	51	49	Potential	27.600
17	97	Current	22.662	51	50	Potential	39.227
17	98	Current	8.970	51	51	Potential	33.924
17	99	Current	17.199	51	52	Potential	34.981
17	100	Current	13.403	51	53	Potential	33.696
17	101	Current	16.013	51	58	Current	6.389
17	102	Current	18.028	51	59	Current	9.502
18	1	Potential	21.822	51	60	Current	7.009
18	2	Potential	13.926	51	61	Current	23.047
18	3	Potential	35.364	51	66	Current	10.607
18	6	Potential	34.240	51	68	Current	14.248
18	21	Potential	30.236	51	104	Current	32.154
18	37	Potential	34.273	51	106	Current	22.386
18	38	Potential	33.661	51	107	Current	20.579
18	39	Potential	32.322	51	108	Current	33.962
18	40	Potential	23.433	51	110	Current	17.510
18	41	Potential	20.071	51	111	Current	34.831
18	42	Potential	11.907	51	112	Current	29.392
18	43	Potential	10.336	51	113	Current	26.705
18	44	Potential	17.205	51	114	Current	32.923
18	45	Potential	22.503	51	115	Current	22.475
18	69	Current	26.002	51	116	Current	20.278
18	70	Current	16.634	51	117	Current	26.096
18	71	Current	13.436	51	118	Current	38.170
18	72	Current	25.475	52	22	Potential	18.150
18	73	Current	14.322	52	24	Potential	6.668
18	88	Current	33.939	52	25	Potential	23.016
18	93	Current	27.380	52	27	Potential	24.189
18	94	Current	6.634	52	30	Potential	14.042
18	95	Current	6.500	52	32	Potential	22.250

18	96	Current	8.257	52	33	Potential	20.600
18	97	Current	24.036	52	34	Potential	12.934
18	98	Current	8.530	52	49	Potential	38.165
18	99	Current	14.982	52	51	Potential	44.489
18	100	Current	17.022	52	52	Potential	45.547
18	101	Current	16.476	52	53	Potential	44.261
18	102	Current	19.403	52	58	Current	13.906
19	1	Potential	0.000	52	59	Current	18.834
19	2	Potential	29.695	52	60	Current	10.498
19	6	Potential	43.803	52	61	Current	22.487
19	21	Potential	39.799	52	66	Current	10.048
19	38	Potential	46.449	52	68	Current	20.426
19	39	Potential	45.110	52	104	Current	42.719
19	40	Potential	38.232	52	106	Current	32.951
19	41	Potential	32.564	52	107	Current	25.273
19	42	Potential	28.253	52	108	Current	44.527
19	43	Potential	26.682	52	110	Current	18.028
19	44	Potential	34.646	52	111	Current	45.396
19	45	Potential	39.638	52	112	Current	39.957
19	69	Current	38.411	52	113	Current	37.270
19	70	Current	34.327	52	114	Current	42.217
19	71	Current	29.782	52	115	Current	33.040
19	72	Current	37.968	52	116	Current	30.843
19	73	Current	30.668	52	117	Current	36.661
19	88	Current	43.501	53	22	Potential	10.409
19	93	Current	43.726	53	24	Potential	19.251
19	94	Current	15.776	53	25	Potential	13.688
19	95	Current	15.919	53	27	Potential	26.170
19	96	Current	13.565	53	30	Potential	16.411
19	97	Current	33.599	53	32	Potential	12.922
19	98	Current	21.926	53	33	Potential	22.581
19	99	Current	30.751	53	34	Potential	15.929
19	100	Current	28.628	53	49	Potential	40.147
19	101	Current	28.969	53	51	Potential	46.470
19	102	Current	28.965	53	53	Potential	46.242
20	1	Potential	33.597	53	58	Current	15.887
20	2	Potential	31.334	53	59	Current	21.829
20	3	Potential	28.914	53	60	Current	17.940
20	6	Potential	14.807	53	61	Current	13.159
20	21	Potential	10.803	53	66	Current	5.974
20	37	Potential	27.823	53	68	Current	22.407
20	38	Potential	27.211	53	104	Current	44.700
20	39	Potential	25.872	53	106	Current	34.932
20	40	Potential	22.861	53	107	Current	32.800
20	41	Potential	18.615	53	108	Current	46.508
20	42	Potential	25.979	53	110	Current	28.742
20	43	Potential	24.408	53	112	Current	41.939
20	44	Potential	36.285	53	113	Current	39.251
20	45	Potential	41.277	53	114	Current	45.470
20	69	Current	12.024	53	115	Current	35.022
20	70	Current	35.723	53	116	Current	32.824
20	71	Current	27.509	53	117	Current	38.642
20	72	Current	18.730	55	22	Potential	20.863
20	73	Current	28.394	55	24	Potential	17.133
20	88	Current	14.505	55	25	Potential	26.923
20	93	Current	40.870	55	27	Potential	6.731

20	94	Current	20.718	55	30	Potential	12.222
20	95	Current	20.934	55	32	Potential	26.157
20	96	Current	20.272	55	33	Potential	2.952
20	97	Current	4.603	55	34	Potential	10.903
20	98	Current	19.470	55	46	Potential	27.605
20	99	Current	32.390	55	49	Potential	17.169
20	100	Current	33.922	55	50	Potential	27.858
20	101	Current	16.191	55	51	Potential	22.370
20	102	Current	8.754	55	52	Potential	24.550
21	1	Potential	34.896	55	53	Potential	22.142
21	2	Potential	29.807	55	58	Current	10.494
21	3	Potential	21.125	55	59	Current	5.132
21	6	Potential	30.971	55	60	Current	13.340
21	21	Potential	26.967	55	61	Current	26.395
21	37	Potential	20.034	55	66	Current	19.980
21	38	Potential	19.422	55	68	Current	17.164
21	39	Potential	18.083	55	104	Current	24.819
21	40	Potential	12.834	55	106	Current	10.832
21	41	Potential	5.422	55	107	Current	17.998
21	42	Potential	18.921	55	108	Current	23.530
21	43	Potential	18.688	55	110	Current	14.929
21	44	Potential	31.691	55	111	Current	24.086
21	45	Potential	36.990	55	112	Current	21.040
21	69	Current	11.468	55	113	Current	18.054
21	70	Current	31.121	55	114	Current	21.370
21	71	Current	20.235	55	115	Current	14.685
21	72	Current	10.941	55	116	Current	13.385
21	73	Current	20.546	55	117	Current	14.542
21	88	Current	30.670	55	118	Current	27.739
21	93	Current	28.790	56	36	Potential	0.540

Table 11: Flooded Scenario (25 cm)- Zone-Ambulance Station Combinations within Threshold

St. Station

T1 Station to Zone Travel Time (min)

T0 Zone to Station Travel Time (min)

T Total Travel Time =T1+T0

St.	Station Type	Zone	T1 (min)	T0 (min)	T (min)	St.	Station Type	Zone	T1 (min)	T0 (min)	T (min)
20	Potential	1	0.000	4.685	4.685	16	Potential	31	7.862	1.164	9.025
23	Potential	2	0.000	8.410	8.410	17	Potential	31	9.624	1.164	10.788
93	Current	2	8.312	8.410	16.722	18	Potential	31	20.099	1.164	21.263
43	Potential	3	0.000	12.262	12.262	19	Potential	31	26.727	1.164	27.890
48	Potential	4	5.085	4.059	9.143	21	Potential	31	10.971	1.164	12.134
49	Potential	4	2.532	4.059	6.590	75	Current	31	7.553	1.164	8.717
104	Current	4	4.106	4.059	8.164	76	Current	31	1.164	1.164	2.327
106	Current	4	2.723	4.059	6.782	77	Current	31	8.099	1.164	9.262
28	Potential	5	12.031	23.474	35.505	81	Current	31	16.827	1.164	17.990
34	Potential	5	15.810	23.474	39.284	82	Current	31	20.079	1.164	21.242
47	Potential	5	14.701	23.474	38.175	83	Current	31	25.947	1.164	27.110
50	Potential	5	4.288	23.474	27.762	84	Current	31	20.635	1.164	21.798
51	Potential	5	16.041	23.474	39.515	85	Current	31	23.737	1.164	24.901
52	Potential	5	11.719	23.474	35.194	86	Current	31	27.533	1.164	28.697
53	Potential	5	11.544	23.474	35.018	8	Potential	33	9.400	10.402	19.801
54	Potential	5	13.838	23.474	37.313	9	Potential	33	5.414	10.402	15.815
59	Current	5	22.788	23.474	46.262	11	Potential	33	11.628	10.402	22.030
60	Current	5	17.801	23.474	41.275	14	Potential	33	4.833	10.402	15.235
105	Current	5	9.758	23.474	33.232	16	Potential	33	9.327	10.402	19.728
107	Current	5	7.909	23.474	31.383	17	Potential	33	3.931	10.402	14.332
109	Current	5	10.505	23.474	33.979	18	Potential	33	9.319	10.402	19.721
112	Current	5	12.268	23.474	35.743	19	Potential	33	15.946	10.402	26.348
113	Current	5	6.465	23.474	29.939	21	Potential	33	5.277	10.402	15.679
114	Current	5	3.293	23.474	26.767	75	Current	33	14.438	10.402	24.840
115	Current	5	19.644	23.474	43.119	76	Current	33	10.217	10.402	20.618
116	Current	5	3.571	23.474	27.045	77	Current	33	9.564	10.402	19.965
117	Current	5	7.020	23.474	30.495	81	Current	33	6.046	10.402	16.448
118	Current	5	9.699	23.474	33.173	82	Current	33	9.299	10.402	19.700
119	Current	5	14.659	23.474	38.134	83	Current	33	15.166	10.402	25.568
50	Potential	6	10.824	33.536	44.361	84	Current	33	9.854	10.402	20.256
109	Current	6	13.108	33.536	46.644	85	Current	33	12.957	10.402	23.359
113	Current	6	10.001	33.536	43.538	86	Current	33	16.753	10.402	27.155
114	Current	6	9.383	33.536	42.919	8	Potential	34	3.997	16.325	20.322
47	Potential	7	7.128	34.183	41.311	9	Potential	34	1.103	16.325	17.428
50	Potential	7	9.763	34.183	43.946	11	Potential	34	7.673	16.325	23.998
51	Potential	7	12.047	34.183	46.230	14	Potential	34	10.797	16.325	27.122
52	Potential	7	8.807	34.183	42.991	16	Potential	34	15.290	16.325	31.615
53	Potential	7	2.753	34.183	36.937	17	Potential	34	9.895	16.325	26.219
54	Potential	7	11.068	34.183	45.251	18	Potential	34	5.364	16.325	21.688
109	Current	7	4.125	34.183	38.308	19	Potential	34	11.429	16.325	27.754
112	Current	7	9.356	34.183	43.540	21	Potential	34	11.241	16.325	27.566
113	Current	7	12.532	34.183	46.715	75	Current	34	20.402	16.325	36.727

114	Current	7	11.330	34.183	45.513	76	Current	34	16.180	16.325	32.505
119	Current	7	7.086	34.183	41.270	77	Current	34	15.527	16.325	31.852
47	Potential	8	3.987	40.500	44.487	81	Current	34	2.091	16.325	18.416
51	Potential	8	6.194	40.500	46.694	82	Current	34	5.343	16.325	21.668
119	Current	8	4.244	40.500	44.744	83	Current	34	11.211	16.325	27.536
47	Potential	9	6.865	37.622	44.487	84	Current	34	4.452	16.325	20.777
51	Potential	9	1.575	37.622	39.197	85	Current	34	8.440	16.325	24.765
52	Potential	9	8.343	37.622	45.965	86	Current	34	11.351	16.325	27.675
54	Potential	9	7.159	37.622	44.782	8	Potential	36	20.043	9.954	29.997
112	Current	9	7.190	37.622	44.812	9	Potential	36	16.057	9.954	26.011
119	Current	9	7.122	37.622	44.744	11	Potential	36	22.272	9.954	32.226
28	Potential	10	16.743	27.223	43.967	14	Potential	36	1.536	9.954	11.489
47	Potential	10	19.595	27.223	46.818	16	Potential	36	5.548	9.954	15.502
50	Potential	10	11.028	27.223	38.251	17	Potential	36	1.282	9.954	11.236
51	Potential	10	15.505	27.223	42.728	18	Potential	36	19.963	9.954	29.917
52	Potential	10	8.789	27.223	36.012	19	Potential	36	26.590	9.954	36.544
53	Potential	10	16.437	27.223	43.660	21	Potential	36	1.980	9.954	11.933
54	Potential	10	9.796	27.223	37.019	75	Current	36	11.141	9.954	21.095
105	Current	10	18.515	27.223	45.738	76	Current	36	6.919	9.954	16.873
107	Current	10	11.675	27.223	38.898	77	Current	36	5.785	9.954	15.739
109	Current	10	14.539	27.223	41.762	81	Current	36	16.690	9.954	26.644
112	Current	10	10.560	27.223	37.783	82	Current	36	19.942	9.954	29.896
113	Current	10	15.221	27.223	42.445	83	Current	36	25.810	9.954	35.764
114	Current	10	12.050	27.223	39.273	84	Current	36	20.498	9.954	30.452
115	Current	10	18.495	27.223	45.719	85	Current	36	23.601	9.954	33.555
116	Current	10	10.642	27.223	37.865	86	Current	36	27.397	9.954	37.351
117	Current	10	13.327	27.223	40.550	3	Potential	40	18.482	20.592	39.074
118	Current	10	9.956	27.223	37.180	4	Potential	40	24.748	20.592	45.340
119	Current	10	19.553	27.223	46.776	38	Potential	40	23.658	20.592	44.249
115	Current	11	2.956	33.386	36.342	39	Potential	40	23.046	20.592	43.638
48	Potential	12	1.666	3.764	5.430	40	Potential	40	21.707	20.592	42.298
49	Potential	12	1.915	3.764	5.679	41	Potential	40	14.575	20.592	35.166
104	Current	12	3.772	3.764	7.537	42	Potential	40	14.707	20.592	35.299
106	Current	12	1.723	3.764	5.487	43	Potential	40	4.604	20.592	25.196
25	Potential	13	23.596	16.921	40.517	44	Potential	40	4.953	20.592	25.545
28	Potential	13	5.789	16.921	22.710	45	Potential	40	17.913	20.592	38.505
31	Potential	13	18.050	16.921	34.971	46	Potential	40	20.748	20.592	41.340
34	Potential	13	9.568	16.921	26.489	70	Current	40	21.159	20.592	41.751
35	Potential	13	17.329	16.921	34.250	71	Current	40	17.343	20.592	37.935
47	Potential	13	19.347	16.921	36.268	72	Current	40	5.138	20.592	25.730
50	Potential	13	8.871	16.921	25.792	73	Current	40	17.452	20.592	38.044
51	Potential	13	20.687	16.921	37.608	74	Current	40	5.449	20.592	26.041
52	Potential	13	16.365	16.921	33.286	94	Current	40	16.763	20.592	37.355
53	Potential	13	16.190	16.921	33.110	95	Current	40	15.364	20.592	35.956
54	Potential	13	16.509	16.921	33.430	96	Current	40	15.608	20.592	36.200
59	Current	13	16.546	16.921	33.467	97	Current	40	16.762	20.592	37.354
60	Current	13	11.559	16.921	28.479	98	Current	40	24.485	20.592	45.076
61	Current	13	19.766	16.921	36.687	99	Current	40	10.508	20.592	31.100
67	Current	13	26.032	16.921	42.953	100	Current	40	19.510	20.592	40.101
69	Current	13	20.051	16.921	36.971	102	Current	40	11.066	20.592	31.658
105	Current	13	12.926	16.921	29.846	103	Current	40	23.422	20.592	44.014
107	Current	13	7.808	16.921	24.729	3	Potential	41	33.172	11.864	45.036
108	Current	13	23.164	16.921	40.084	4	Potential	41	5.066	11.864	16.930
109	Current	13	15.151	16.921	32.072	7	Potential	41	31.769	11.864	43.634
111	Current	13	20.095	16.921	37.016	22	Potential	41	23.388	11.864	35.253
112	Current	13	16.914	16.921	33.835	38	Potential	41	6.663	11.864	18.528

113	Current	13	10.008	16.921	26.929	39	Potential	41	3.363	11.864	15.228
114	Current	13	8.719	16.921	25.640	40	Potential	41	2.024	11.864	13.888
115	Current	13	21.732	16.921	38.653	41	Potential	41	6.865	11.864	18.729
116	Current	13	4.480	16.921	21.401	42	Potential	41	11.091	11.864	22.955
117	Current	13	4.639	16.921	21.560	43	Potential	41	22.507	11.864	34.371
118	Current	13	11.102	16.921	28.023	44	Potential	41	22.274	11.864	34.139
119	Current	13	19.305	16.921	36.226	45	Potential	41	32.603	11.864	44.468
28	Potential	14	18.293	26.059	44.352	46	Potential	41	35.133	11.864	46.998
34	Potential	14	18.516	26.059	44.575	70	Current	41	12.333	11.864	24.197
50	Potential	14	19.326	26.059	45.385	71	Current	41	32.033	11.864	43.897
52	Potential	14	17.719	26.059	43.778	72	Current	41	21.393	11.864	33.258
54	Potential	14	17.272	26.059	43.330	73	Current	41	5.118	11.864	16.982
60	Current	14	20.697	26.059	46.755	74	Current	41	20.508	11.864	32.372
107	Current	14	11.703	26.059	37.762	89	Current	41	31.468	11.864	43.332
108	Current	14	16.542	26.059	42.600	94	Current	41	22.322	11.864	34.187
111	Current	14	20.880	26.059	46.939	95	Current	41	28.122	11.864	39.987
112	Current	14	19.395	26.059	45.454	96	Current	41	28.654	11.864	40.518
114	Current	14	20.222	26.059	46.281	97	Current	41	29.521	11.864	41.385
115	Current	14	10.789	26.059	36.848	98	Current	41	21.075	11.864	32.939
116	Current	14	17.271	26.059	43.330	99	Current	41	22.062	11.864	33.926
117	Current	14	19.423	26.059	45.482	100	Current	41	34.199	11.864	46.064
118	Current	14	10.998	26.059	37.057	102	Current	41	15.875	11.864	27.739
25	Potential	15	20.872	24.905	45.777	103	Current	41	21.270	11.864	33.134
31	Potential	15	20.994	24.905	45.899	22	Potential	42	28.454	16.930	45.385
34	Potential	15	21.785	24.905	46.689	38	Potential	42	7.846	16.930	24.777
35	Potential	15	19.138	24.905	44.043	39	Potential	42	2.072	16.930	19.002
60	Current	15	20.862	24.905	45.767	40	Potential	42	3.207	16.930	20.137
61	Current	15	20.964	24.905	45.869	41	Potential	42	11.931	16.930	28.861
107	Current	15	19.902	24.905	44.807	42	Potential	42	16.157	16.930	33.087
108	Current	15	2.459	24.905	27.364	43	Potential	42	27.573	16.930	44.503
111	Current	15	10.687	24.905	35.591	44	Potential	42	27.340	16.930	44.270
118	Current	15	20.846	24.905	45.750	70	Current	42	17.399	16.930	34.329
47	Potential	16	16.707	29.675	46.382	72	Current	42	26.459	16.930	43.389
50	Potential	16	12.667	29.675	42.342	73	Current	42	10.184	16.930	27.114
51	Potential	16	11.162	29.675	40.837	74	Current	42	25.574	16.930	42.504
52	Potential	16	5.901	29.675	35.576	94	Current	42	27.388	16.930	44.318
53	Potential	16	13.549	29.675	43.224	98	Current	42	26.141	16.930	43.071
54	Potential	16	5.453	29.675	35.128	99	Current	42	27.128	16.930	44.058
107	Current	16	10.886	29.675	40.560	102	Current	42	20.941	16.930	37.871
109	Current	16	11.652	29.675	41.326	103	Current	42	26.336	16.930	43.266
112	Current	16	7.577	29.675	37.252	3	Potential	43	31.551	12.191	43.742
113	Current	16	15.675	29.675	45.349	4	Potential	43	13.259	12.191	25.450
114	Current	16	14.234	29.675	43.909	7	Potential	43	32.132	12.191	44.324
115	Current	16	16.880	29.675	46.554	22	Potential	43	23.751	12.191	35.943
116	Current	16	12.907	29.675	42.581	38	Potential	43	12.168	12.191	24.360
117	Current	16	15.592	29.675	45.266	39	Potential	43	11.557	12.191	23.748
118	Current	16	8.341	29.675	38.016	40	Potential	43	10.217	12.191	22.409
119	Current	16	16.665	29.675	46.340	41	Potential	43	1.350	12.191	13.541
2	Potential	17	17.365	25.539	42.904	42	Potential	43	9.215	12.191	21.407
3	Potential	17	17.426	25.539	42.965	43	Potential	43	17.832	12.191	30.024
42	Potential	17	19.655	25.539	45.194	44	Potential	43	17.599	12.191	29.791
43	Potential	17	15.299	25.539	40.838	45	Potential	43	30.982	12.191	43.173
44	Potential	17	13.728	25.539	39.267	46	Potential	43	33.512	12.191	45.704
72	Current	17	16.828	25.539	42.367	70	Current	43	12.696	12.191	24.887
74	Current	17	17.713	25.539	43.252	71	Current	43	30.411	12.191	42.603
95	Current	17	2.872	25.539	28.411	72	Current	43	19.147	12.191	31.338

96	Current	17	2.731	25.539	28.270	73	Current	43	8.010	12.191	20.202
97	Current	17	3.801	25.539	29.340	74	Current	43	18.887	12.191	31.078
99	Current	17	8.946	25.539	34.485	89	Current	43	31.830	12.191	44.022
100	Current	17	19.984	25.539	45.523	94	Current	43	20.701	12.191	32.892
101	Current	17	13.405	25.539	38.944	95	Current	43	24.619	12.191	36.810
102	Current	17	16.014	25.539	41.553	96	Current	43	25.151	12.191	37.342
103	Current	17	18.027	25.539	43.566	97	Current	43	26.017	12.191	38.209
1	Potential	17	17.365	25.539	42.904	98	Current	43	21.438	12.191	33.629
3	Potential	18	16.009	26.002	42.011	99	Current	43	18.559	12.191	30.750
42	Potential	18	20.106	26.002	46.107	100	Current	43	32.578	12.191	44.770
43	Potential	18	11.907	26.002	37.909	102	Current	43	12.371	12.191	24.563
44	Potential	18	10.336	26.002	36.338	103	Current	43	21.632	12.191	33.824
45	Potential	18	17.205	26.002	43.207	29	Potential	45	1.314	2.309	3.623
71	Current	18	16.634	26.002	42.636	56	Current	45	2.309	2.309	4.618
72	Current	18	13.436	26.002	39.438	23	Potential	47	10.247	25.831	36.078
74	Current	18	14.322	26.002	40.323	26	Potential	47	4.259	25.831	30.090
95	Current	18	6.634	26.002	32.635	33	Potential	47	3.689	25.831	29.520
96	Current	18	6.450	26.002	32.451	59	Current	47	20.541	25.831	46.372
97	Current	18	8.257	26.002	34.259	62	Current	47	4.091	25.831	29.922
99	Current	18	8.530	26.002	34.532	67	Current	47	15.891	25.831	41.722
100	Current	18	17.037	26.002	43.038	69	Current	47	13.222	25.831	39.052
101	Current	18	17.558	26.002	43.560	37	Potential	49	1.998	1.998	3.995
102	Current	18	16.464	26.002	42.466	23	Potential	50	28.206	11.387	39.594
103	Current	18	19.407	26.002	45.409	25	Potential	50	18.062	11.387	29.450
1	Potential	19	0.000	38.411	38.411	26	Potential	50	33.446	11.387	44.834
2	Potential	20	33.597	12.024	45.620	28	Potential	50	0.255	11.387	11.643
3	Potential	20	33.653	12.024	45.676	31	Potential	50	12.517	11.387	23.904
7	Potential	20	15.645	12.024	27.668	33	Potential	50	32.680	11.387	44.068
22	Potential	20	7.264	12.024	19.287	34	Potential	50	4.035	11.387	15.422
40	Potential	20	33.640	12.024	45.664	35	Potential	50	11.796	11.387	23.183
41	Potential	20	27.188	12.024	39.212	47	Potential	50	23.733	11.387	35.120
42	Potential	20	21.566	12.024	33.589	50	Potential	50	13.257	11.387	24.644
43	Potential	20	26.382	12.024	38.406	51	Potential	50	25.073	11.387	36.460
44	Potential	20	24.811	12.024	36.835	52	Potential	50	20.237	11.387	31.624
70	Current	20	28.017	12.024	40.041	53	Potential	50	20.575	11.387	31.963
72	Current	20	27.912	12.024	39.935	54	Potential	50	19.789	11.387	31.176
73	Current	20	26.499	12.024	38.522	59	Current	50	11.012	11.387	22.400
74	Current	20	28.797	12.024	40.820	60	Current	50	6.025	11.387	17.412
89	Current	20	15.343	12.024	27.367	61	Current	50	14.232	11.387	25.620
95	Current	20	20.718	12.024	32.741	62	Current	50	32.918	11.387	44.305
96	Current	20	21.184	12.024	33.207	67	Current	50	20.499	11.387	31.886
97	Current	20	20.272	12.024	32.295	69	Current	50	14.517	11.387	25.905
98	Current	20	4.950	12.024	16.974	105	Current	50	17.311	11.387	28.699
99	Current	20	19.686	12.024	31.710	107	Current	50	11.088	11.387	22.476
101	Current	20	33.925	12.024	45.948	108	Current	50	23.552	11.387	34.939
102	Current	20	16.166	12.024	28.190	109	Current	50	19.537	11.387	30.924
103	Current	20	8.737	12.024	20.760	111	Current	50	20.483	11.387	31.870
1	Potential	20	33.597	12.024	45.620	112	Current	50	21.300	11.387	32.687
2	Potential	21	34.894	11.468	46.362	113	Current	50	14.394	11.387	25.781
3	Potential	21	31.433	11.468	42.901	114	Current	50	13.105	11.387	24.492
4	Potential	21	20.733	11.468	32.201	115	Current	50	22.410	11.387	33.798
7	Potential	21	31.505	11.468	42.973	116	Current	50	8.866	11.387	20.253
22	Potential	21	23.124	11.468	34.592	117	Current	50	6.696	11.387	18.084
38	Potential	21	19.642	11.468	31.110	118	Current	50	14.383	11.387	25.770
39	Potential	21	19.030	11.468	30.498	119	Current	50	23.691	11.387	35.078
40	Potential	21	17.691	11.468	29.159	23	Potential	51	18.315	6.389	24.704

41	Potential	21	12.837	11.468	24.305	25	Potential	51	10.072	6.389	16.461
42	Potential	21	5.422	11.468	16.890	26	Potential	51	23.555	6.389	29.944
43	Potential	21	18.921	11.468	30.389	28	Potential	51	14.220	6.389	20.609
44	Potential	21	18.688	11.468	30.156	31	Potential	51	2.437	6.389	8.826
45	Potential	21	31.691	11.468	43.160	33	Potential	51	22.789	6.389	29.178
70	Current	21	12.068	11.468	23.536	34	Potential	51	10.631	6.389	17.020
71	Current	21	31.121	11.468	42.589	35	Potential	51	4.920	6.389	11.308
72	Current	21	20.235	11.468	31.703	47	Potential	51	38.209	6.389	44.597
73	Current	21	10.549	11.468	22.017	50	Potential	51	27.733	6.389	34.122
74	Current	21	20.546	11.468	32.014	51	Potential	51	39.548	6.389	45.937
89	Current	21	31.203	11.468	42.671	52	Potential	51	34.683	6.389	41.072
94	Current	21	28.790	11.468	40.258	53	Potential	51	35.051	6.389	41.440
95	Current	21	19.931	11.468	31.399	54	Potential	51	34.235	6.389	40.624
96	Current	21	20.463	11.468	31.931	59	Current	51	6.350	6.389	12.739
97	Current	21	21.330	11.468	32.798	60	Current	51	9.503	6.389	15.891
98	Current	21	20.810	11.468	32.278	61	Current	51	7.010	6.389	13.399
99	Current	21	13.871	11.468	25.339	62	Current	51	23.027	6.389	29.416
100	Current	21	32.461	11.468	43.929	67	Current	51	10.607	6.389	16.996
101	Current	21	33.204	11.468	44.672	69	Current	51	13.008	6.389	19.397
102	Current	21	7.683	11.468	19.151	105	Current	51	31.787	6.389	38.176
103	Current	21	21.005	11.468	32.473	107	Current	51	22.982	6.389	29.371
1	Potential	21	34.894	11.468	46.362	108	Current	51	20.580	6.389	26.969
45	Potential	22	7.814	35.034	42.848	109	Current	51	34.012	6.389	40.401
71	Current	22	7.495	35.034	42.529	111	Current	51	17.511	6.389	23.900
100	Current	22	3.681	35.034	38.714	112	Current	51	35.776	6.389	42.165
101	Current	22	10.910	35.034	45.943	113	Current	51	28.869	6.389	35.258
44	Potential	23	16.998	28.808	45.806	114	Current	51	27.580	6.389	33.969
95	Current	23	6.152	28.808	34.959	115	Current	51	33.519	6.389	39.908
96	Current	23	6.204	28.808	35.012	116	Current	51	23.342	6.389	29.731
97	Current	23	5.366	28.808	34.174	117	Current	51	21.172	6.389	27.561
99	Current	23	12.216	28.808	41.024	118	Current	51	26.645	6.389	33.034
101	Current	23	16.266	28.808	45.074	119	Current	51	38.167	6.389	44.556
2	Potential	24	20.080	20.717	40.797	23	Potential	52	17.756	13.906	31.661
3	Potential	24	17.918	20.717	38.635	25	Potential	52	6.668	13.906	20.574
22	Potential	24	21.778	20.717	42.495	26	Potential	52	22.996	13.906	36.901
41	Potential	24	20.457	20.717	41.174	28	Potential	52	24.438	13.906	38.344
42	Potential	24	14.835	20.717	35.552	31	Potential	52	14.137	13.906	28.043
43	Potential	24	9.575	20.717	30.292	33	Potential	52	22.230	13.906	36.135
44	Potential	24	8.004	20.717	28.721	34	Potential	52	20.849	13.906	34.755
45	Potential	24	19.889	20.717	40.606	35	Potential	52	12.898	13.906	26.803
46	Potential	24	25.188	20.717	45.905	59	Current	52	13.906	13.906	27.811
70	Current	24	21.286	20.717	42.003	60	Current	52	18.798	13.906	32.703
71	Current	24	19.319	20.717	40.036	61	Current	52	10.461	13.906	24.367
72	Current	24	11.104	20.717	31.821	62	Current	52	22.467	13.906	36.373
73	Current	24	19.768	20.717	40.485	67	Current	52	10.048	13.906	23.953
74	Current	24	11.989	20.717	32.706	69	Current	52	20.422	13.906	34.328
94	Current	24	25.048	20.717	45.765	108	Current	52	25.255	13.906	39.161
95	Current	24	5.117	20.717	25.834	111	Current	52	18.010	13.906	31.916
96	Current	24	5.649	20.717	26.366	117	Current	52	31.390	13.906	45.295
97	Current	24	6.516	20.717	27.233	23	Potential	53	10.005	15.887	25.892
98	Current	24	19.465	20.717	40.182	25	Potential	53	19.262	15.887	35.149
99	Current	24	4.125	20.717	24.842	26	Potential	53	13.636	15.887	29.523
100	Current	24	19.731	20.717	40.448	28	Potential	53	26.545	15.887	42.432
101	Current	24	18.390	20.717	39.107	31	Potential	53	16.506	15.887	32.393
102	Current	24	11.193	20.717	31.910	33	Potential	53	12.870	15.887	28.757
103	Current	24	14.483	20.717	35.200	34	Potential	53	22.956	15.887	38.843

1	Potential	24	20.080	20.717	40.797	35	Potential	53	15.929	15.887	31.816
19	Potential	25	0.730	26.287	27.017	59	Current	53	15.887	15.887	31.773
83	Current	25	4.385	26.287	30.672	60	Current	53	21.829	15.887	37.716
8	Potential	27	6.357	19.457	25.814	61	Current	53	17.940	15.887	33.827
9	Potential	27	5.158	19.457	24.615	62	Current	53	13.107	15.887	28.994
11	Potential	27	5.231	19.457	24.688	67	Current	53	5.974	15.887	21.861
14	Potential	27	13.583	19.457	33.040	69	Current	53	12.979	15.887	28.866
16	Potential	27	18.077	19.457	37.533	111	Current	53	28.742	15.887	44.629
17	Potential	27	12.681	19.457	32.138	23	Potential	55	27.313	10.494	37.808
18	Potential	27	2.638	19.457	22.095	25	Potential	55	17.170	10.494	27.664
19	Potential	27	7.068	19.457	26.525	26	Potential	55	32.554	10.494	43.048
21	Potential	27	14.027	19.457	33.484	28	Potential	55	6.731	10.494	17.225
75	Current	27	23.188	19.457	42.645	31	Potential	55	11.624	10.494	22.118
76	Current	27	18.967	19.457	38.423	33	Potential	55	31.788	10.494	42.282
77	Current	27	18.314	19.457	37.770	34	Potential	55	2.952	10.494	13.446
81	Current	27	3.602	19.457	23.059	35	Potential	55	10.903	10.494	21.398
82	Current	27	2.801	19.457	22.257	47	Potential	55	27.789	10.494	38.284
83	Current	27	8.171	19.457	27.628	50	Potential	55	17.313	10.494	27.808
84	Current	27	6.812	19.457	26.268	51	Potential	55	27.794	10.494	38.289
85	Current	27	4.079	19.457	23.536	52	Potential	55	22.533	10.494	33.027
86	Current	27	13.710	19.457	33.167	53	Potential	55	24.632	10.494	35.126
8	Potential	28	11.015	21.909	32.924	54	Potential	55	22.085	10.494	32.580
9	Potential	28	7.642	21.909	29.551	59	Current	55	10.120	10.494	20.614
11	Potential	28	0.625	21.909	22.534	60	Current	55	5.132	10.494	15.627
14	Potential	28	15.914	21.909	37.823	61	Current	55	13.340	10.494	23.834
16	Potential	28	20.408	21.909	42.317	62	Current	55	32.025	10.494	42.520
17	Potential	28	15.012	21.909	36.921	67	Current	55	19.606	10.494	30.100
18	Potential	28	3.538	21.909	25.447	69	Current	55	13.624	10.494	24.119
19	Potential	28	11.727	21.909	33.635	105	Current	55	23.173	10.494	33.667
21	Potential	28	16.358	21.909	38.267	107	Current	55	10.832	10.494	21.326
76	Current	28	21.298	21.909	43.207	108	Current	55	17.998	10.494	28.492
77	Current	28	20.645	21.909	42.554	109	Current	55	23.593	10.494	34.087
81	Current	28	5.933	21.909	27.842	111	Current	55	14.929	10.494	25.424
82	Current	28	3.518	21.909	25.427	112	Current	55	24.209	10.494	34.703
83	Current	28	8.703	21.909	30.612	113	Current	55	20.255	10.494	30.749
84	Current	28	11.470	21.909	33.379	114	Current	55	18.152	10.494	28.646
85	Current	28	8.737	21.909	30.646	115	Current	55	21.370	10.494	31.864
86	Current	28	18.369	21.909	40.278	116	Current	55	14.539	10.494	25.034
8	Potential	31	20.180	1.164	21.344	117	Current	55	13.683	10.494	24.177
9	Potential	31	16.194	1.164	17.358	118	Current	55	14.495	10.494	24.990
11	Potential	31	22.408	1.164	23.572	119	Current	55	27.747	10.494	38.242
14	Potential	31	10.527	1.164	11.690	37	Potential	56	0.540	0.540	1.081

Table 12: Flooded Scenario (45 cm) - Zones to Trauma Center Travel Times

Origin Zone	Time to Trauma Center (min)
1	19.625
2	21.827
4	24.321
5	25.687
6	29.472
7	31.308
8	37.625
9	34.747
10	33.797
11	46.893
12	23.524
13	27.863
14	41.178
15	49.377
16	33.456
17	38.134
18	39.509
19	49.072
20	20.076
21	36.240
22	49.127
23	40.327
24	34.094
25	5.273
26	6.000
27	7.987
28	7.346
29	12.250
30	24.321
31	10.313
34	17.178
35	18.379
37	20.850
38	19.350
39	15.880
40	39.622
41	44.006
42	49.072
43	40.928
44	23.108
45	21.301
46	19.602
48	55.260
49	31.846
50	32.864
51	32.248
52	44.547
53	55.112
54	57.093

55	37.654
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Exceeds Threshold

Table 13: Flooded Scenario (45 cm)- Zone-Ambulance Station Combinations within Threshold

St. Station

T1 Station to Zone Travel Time (min)

T2 Zone to Trauma Center Travel Time (min)

T Total Travel Time =T1+T2

St.	Station Type	Zone	T1 (min)	T2 (min)	T (min)	St.	Station Type	Zone	T1 (min)	T2 (min)	T (min)
6	Potential	1	13.172	19.625	32.796	76	Current	24	15.393	7.346	22.739
7	Potential	1	8.160	19.625	27.785	77	Current	24	12.862	7.346	20.208
8	Potential	1	26.286	19.625	45.911	78	Current	24	13.968	7.346	21.315
13	Potential	1	22.623	19.625	42.247	79	Current	24	7.535	7.346	14.881
19	Potential	1	26.481	19.625	46.105	80	Current	24	3.414	7.346	10.760
20	Potential	1	27.054	19.625	46.679	82	Current	24	5.742	7.346	13.088
28	Potential	1	17.581	19.625	37.206	83	Current	24	2.525	7.346	9.871
29	Potential	1	24.726	19.625	44.351	84	Current	24	6.235	7.346	13.581
30	Potential	1	16.237	19.625	35.861	85	Current	24	8.879	7.346	16.225
33	Potential	1	20.509	19.625	40.134	86	Current	24	4.837	7.346	12.183
35	Potential	1	24.940	19.625	44.565	87	Current	24	12.164	7.346	19.510
38	Potential	1	15.597	19.625	35.222	88	Current	24	14.046	7.346	21.393
56	Current	1	19.896	19.625	39.520	89	Current	24	16.550	7.346	23.897
57	Current	1	17.776	19.625	37.401	90	Current	24	16.524	7.346	23.870
58	Current	1	17.665	19.625	37.289	91	Current	24	12.297	7.346	19.644
59	Current	1	19.640	19.625	39.265	93	Current	24	25.311	7.346	32.658
61	Current	1	26.931	19.625	46.555	94	Current	24	22.090	7.346	29.436
64	Current	1	6.555	19.625	26.179	99	Current	24	20.917	7.346	28.263
66	Current	1	25.518	19.625	45.143	103	Current	24	34.001	7.346	41.347
83	Current	1	26.335	19.625	45.959	104	Current	24	26.571	7.346	33.917
84	Current	1	24.357	19.625	43.982	105	Current	24	21.546	7.346	28.893
86	Current	1	27.041	19.625	46.665	106	Current	24	17.771	7.346	25.117
88	Current	1	22.032	19.625	41.657	107	Current	24	19.701	7.346	27.047
89	Current	1	9.981	19.625	29.606	108	Current	24	28.620	7.346	35.966
90	Current	1	26.534	19.625	46.158	110	Current	24	26.292	7.346	33.638
91	Current	1	15.663	19.625	35.288	113	Current	24	28.056	7.346	35.402
93	Current	1	22.147	19.625	41.771	114	Current	24	18.141	7.346	25.488
94	Current	1	5.375	19.625	25.000	115	Current	24	20.997	7.346	28.343
6	Potential	2	7.510	21.827	29.337	117	Current	24	24.079	7.346	31.425
7	Potential	2	18.562	21.827	40.388	118	Current	24	25.099	7.346	32.445
8	Potential	2	24.112	21.827	45.939	119	Current	24	31.914	7.346	39.261
19	Potential	2	24.306	21.827	46.133	120	Current	24	30.447	7.346	37.793
20	Potential	2	24.880	21.827	46.707	6	Potential	25	23.616	12.250	35.866
30	Potential	2	24.797	21.827	46.624	7	Potential	25	22.003	12.250	34.254
38	Potential	2	24.158	21.827	45.985	8	Potential	25	21.140	12.250	33.390
64	Current	2	17.031	21.827	38.858	9	Potential	25	11.061	12.250	23.312
66	Current	2	6.457	21.827	28.284	10	Potential	25	8.755	12.250	21.005
83	Current	2	24.160	21.827	45.987	12	Potential	25	5.235	12.250	17.486
84	Current	2	22.183	21.827	44.010	13	Potential	25	19.381	12.250	31.631
86	Current	2	24.866	21.827	46.693	14	Potential	25	1.131	12.250	13.382
89	Current	2	17.972	21.827	39.799	15	Potential	25	8.179	12.250	20.429

90	Current	2	24.359	21.827	46.186	17	Potential	25	10.695	12.250	22.945
91	Current	2	12.823	21.827	34.650	18	Potential	25	7.399	12.250	19.650
93	Current	2	2.154	21.827	23.981	19	Potential	25	7.561	12.250	19.811
94	Current	2	19.301	21.827	41.128	20	Potential	25	9.861	12.250	22.112
9	Potential	3	17.650	24.321	41.971	21	Potential	25	11.777	12.250	24.028
10	Potential	3	18.634	24.321	42.955	22	Potential	25	8.623	12.250	20.873
14	Potential	3	21.322	24.321	45.642	23	Potential	25	23.788	12.250	36.038
15	Potential	3	18.376	24.321	42.697	28	Potential	25	24.862	12.250	37.113
17	Potential	3	22.496	24.321	46.817	29	Potential	25	33.409	12.250	45.660
18	Potential	3	17.597	24.321	41.918	30	Potential	25	22.805	12.250	35.056
21	Potential	3	11.207	24.321	35.527	33	Potential	25	34.601	12.250	46.851
22	Potential	3	18.820	24.321	43.141	48	Potential	25	33.150	12.250	45.401
49	Potential	3	5.085	24.321	29.405	49	Potential	25	20.568	12.250	32.818
50	Potential	3	2.532	24.321	26.852	50	Potential	25	18.195	12.250	30.445
51	Potential	3	20.367	24.321	44.688	51	Potential	25	25.965	12.250	38.216
77	Current	3	21.626	24.321	45.947	52	Potential	25	34.490	12.250	46.740
80	Current	3	21.459	24.321	45.779	53	Potential	25	30.168	12.250	42.419
82	Current	3	19.901	24.321	44.222	54	Potential	25	29.993	12.250	42.243
85	Current	3	16.904	24.321	41.225	55	Potential	25	32.429	12.250	44.680
87	Current	3	17.143	24.321	41.464	56	Current	25	18.246	12.250	30.497
105	Current	3	4.106	24.321	28.427	57	Current	25	24.345	12.250	36.595
106	Current	3	9.780	24.321	34.101	58	Current	25	24.140	12.250	36.390
107	Current	3	2.723	24.321	27.044	64	Current	25	28.998	12.250	41.248
114	Current	3	14.670	24.321	38.990	66	Current	25	33.546	12.250	45.797
115	Current	3	17.999	24.321	42.320	76	Current	25	12.357	12.250	24.607
117	Current	3	20.950	24.321	45.271	77	Current	25	9.825	12.250	22.076
118	Current	3	21.970	24.321	46.290	78	Current	25	10.932	12.250	23.183
2	Potential	4	18.193	25.687	43.879	79	Current	25	12.399	12.250	24.649
9	Potential	4	13.697	25.687	39.384	80	Current	25	2.578	12.250	14.828
10	Potential	4	15.578	25.687	41.264	82	Current	25	8.016	12.250	20.267
15	Potential	4	20.506	25.687	46.193	83	Current	25	7.388	12.250	19.639
18	Potential	4	19.727	25.687	45.413	84	Current	25	11.098	12.250	23.349
19	Potential	4	19.585	25.687	45.271	85	Current	25	11.540	12.250	23.791
20	Potential	4	19.774	25.687	45.460	86	Current	25	9.700	12.250	21.951
21	Potential	4	13.336	25.687	39.023	87	Current	25	14.876	12.250	27.126
22	Potential	4	20.950	25.687	46.637	88	Current	25	18.621	12.250	30.872
29	Potential	4	12.031	25.687	37.717	89	Current	25	21.414	12.250	33.664
35	Potential	4	15.810	25.687	41.497	90	Current	25	21.387	12.250	33.638
48	Potential	4	14.701	25.687	40.388	91	Current	25	17.161	12.250	29.411
50	Potential	4	19.469	25.687	45.156	93	Current	25	30.175	12.250	42.425
51	Potential	4	4.288	25.687	29.975	94	Current	25	26.954	12.250	39.204
52	Potential	4	16.041	25.687	41.727	99	Current	25	25.781	12.250	38.031
53	Potential	4	11.719	25.687	37.406	104	Current	25	31.435	12.250	43.685
54	Potential	4	11.544	25.687	37.230	105	Current	25	20.052	12.250	32.303
55	Potential	4	13.838	25.687	39.525	106	Current	25	18.751	12.250	31.001
56	Current	4	21.228	25.687	46.915	107	Current	25	18.207	12.250	30.457
59	Current	4	20.661	25.687	46.347	108	Current	25	31.282	12.250	43.532
61	Current	4	17.801	25.687	43.487	110	Current	25	28.954	12.250	41.204
82	Current	4	17.029	25.687	42.715	113	Current	25	30.717	12.250	42.968
83	Current	4	19.438	25.687	45.125	114	Current	25	20.803	12.250	33.053
85	Current	4	13.120	25.687	38.807	115	Current	25	23.658	12.250	35.909
86	Current	4	19.613	25.687	45.299	117	Current	25	26.741	12.250	38.991
87	Current	4	11.420	25.687	37.106	118	Current	25	27.761	12.250	40.011
106	Current	4	9.124	25.687	34.811	119	Current	25	34.576	12.250	46.827
107	Current	4	19.481	25.687	45.168	120	Current	25	33.108	12.250	45.359
108	Current	4	7.909	25.687	33.595	9	Potential	26	14.420	24.321	38.741

110	Current	4	10.505	25.687	36.191	10	Potential	26	12.114	24.321	36.435
113	Current	4	12.268	25.687	37.955	12	Potential	26	10.445	24.321	34.766
114	Current	4	6.465	25.687	32.151	14	Potential	26	6.936	24.321	31.257
115	Current	4	3.293	25.687	28.979	15	Potential	26	10.555	24.321	34.876
116	Current	4	19.644	25.687	45.331	17	Potential	26	11.836	24.321	36.157
117	Current	4	3.571	25.687	29.257	18	Potential	26	10.758	24.321	35.080
118	Current	4	7.020	25.687	32.707	19	Potential	26	12.771	24.321	37.092
119	Current	4	9.699	25.687	35.385	20	Potential	26	15.071	24.321	39.392
120	Current	4	14.659	25.687	40.346	21	Potential	26	15.136	24.321	39.458
48	Potential	5	17.304	29.472	46.776	22	Potential	26	9.967	24.321	34.288
51	Potential	5	10.824	29.472	40.296	50	Potential	26	21.554	24.321	45.875
53	Potential	5	15.113	29.472	44.585	56	Current	26	21.605	24.321	45.927
54	Potential	5	14.147	29.472	43.619	76	Current	26	2.798	24.321	27.119
55	Potential	5	17.374	29.472	46.845	77	Current	26	7.082	24.321	31.403
87	Current	5	16.580	29.472	46.052	78	Current	26	12.073	24.321	36.394
106	Current	5	14.285	29.472	43.757	79	Current	26	17.608	24.321	41.929
110	Current	5	13.108	29.472	42.580	80	Current	26	7.787	24.321	32.109
113	Current	5	15.662	29.472	45.134	82	Current	26	11.375	24.321	35.697
114	Current	5	10.001	29.472	39.473	83	Current	26	12.598	24.321	36.919
115	Current	5	9.383	29.472	38.855	84	Current	26	16.308	24.321	40.629
117	Current	5	13.660	29.472	43.131	85	Current	26	14.899	24.321	39.221
118	Current	5	17.109	29.472	46.581	86	Current	26	14.910	24.321	39.231
120	Current	5	17.262	29.472	46.734	87	Current	26	18.235	24.321	42.556
48	Potential	6	7.128	31.308	38.436	88	Current	26	21.980	24.321	46.301
51	Potential	6	9.763	31.308	41.071	91	Current	26	22.370	24.321	46.692
52	Potential	6	12.047	31.308	43.355	106	Current	26	22.110	24.321	46.431
53	Potential	6	8.807	31.308	40.115	107	Current	26	21.566	24.321	45.887
54	Potential	6	2.753	31.308	34.061	2	Potential	27	33.917	10.313	44.230
55	Potential	6	11.068	31.308	42.376	6	Potential	27	21.857	10.313	32.170
110	Current	6	4.125	31.308	35.432	7	Potential	27	20.244	10.313	30.558
113	Current	6	9.356	31.308	40.664	8	Potential	27	19.381	10.313	29.694
114	Current	6	12.532	31.308	43.840	9	Potential	27	2.894	10.313	13.207
115	Current	6	11.330	31.308	42.638	10	Potential	27	0.588	10.313	10.901
117	Current	6	15.345	31.308	46.652	12	Potential	27	6.614	10.313	16.928
120	Current	6	7.086	31.308	38.394	13	Potential	27	10.633	10.313	20.946
48	Potential	7	3.987	37.625	41.611	14	Potential	27	8.987	10.313	19.301
52	Potential	7	6.194	37.625	43.818	15	Potential	27	8.179	10.313	18.492
54	Potential	7	8.742	37.625	46.366	17	Potential	27	11.513	10.313	21.826
120	Current	7	4.244	37.625	41.869	18	Potential	27	7.400	10.313	17.713
48	Potential	8	6.865	34.747	41.611	19	Potential	27	4.794	10.313	15.108
52	Potential	8	1.575	34.747	36.322	20	Potential	27	6.837	10.313	17.150
53	Potential	8	8.343	34.747	43.090	21	Potential	27	7.378	10.313	17.692
54	Potential	8	11.620	34.747	46.366	22	Potential	27	8.623	10.313	18.936
55	Potential	8	7.159	34.747	41.906	23	Potential	27	22.029	10.313	32.342
110	Current	8	10.423	34.747	45.170	28	Potential	27	16.115	10.313	26.428
113	Current	8	7.190	34.747	41.937	29	Potential	27	25.242	10.313	35.555
120	Current	8	7.122	34.747	41.869	30	Potential	27	14.058	10.313	24.371
51	Potential	9	11.028	33.797	44.825	32	Potential	27	35.922	10.313	46.236
53	Potential	9	8.789	33.797	42.586	33	Potential	27	25.853	10.313	36.166
55	Potential	9	9.796	33.797	43.593	35	Potential	27	27.440	10.313	37.754
108	Current	9	11.675	33.797	45.471	36	Potential	27	35.202	10.313	45.515
113	Current	9	10.560	33.797	44.357	38	Potential	27	27.616	10.313	37.929
115	Current	9	12.050	33.797	45.846	48	Potential	27	24.983	10.313	35.296
117	Current	9	10.642	33.797	44.438	49	Potential	27	16.169	10.313	26.482
119	Current	9	9.956	33.797	43.753	50	Potential	27	13.796	10.313	24.109
1	Potential	10	0.000	46.893	46.893	51	Potential	27	17.798	10.313	28.111

9	Potential	11	16.897	23.524	40.421	52	Potential	27	26.323	10.313	36.636
10	Potential	11	17.881	23.524	41.405	53	Potential	27	22.001	10.313	32.314
12	Potential	11	22.464	23.524	45.989	54	Potential	27	21.825	10.313	32.139
14	Potential	11	20.568	23.524	44.093	55	Potential	27	24.262	10.313	34.575
15	Potential	11	17.623	23.524	41.147	56	Current	27	9.498	10.313	19.812
17	Potential	11	21.743	23.524	45.267	57	Current	27	15.597	10.313	25.910
18	Potential	11	16.843	23.524	40.368	58	Current	27	15.392	10.313	25.705
19	Potential	11	22.421	23.524	45.945	59	Current	27	26.516	10.313	36.829
20	Potential	11	22.880	23.524	46.405	60	Current	27	34.418	10.313	44.731
21	Potential	11	10.453	23.524	33.978	61	Current	27	29.431	10.313	39.744
22	Potential	11	18.067	23.524	41.591	64	Current	27	20.250	10.313	30.563
49	Potential	11	1.666	23.524	25.190	66	Current	27	31.787	10.313	42.101
50	Potential	11	1.915	23.524	25.439	76	Current	27	13.427	10.313	23.740
51	Potential	11	19.614	23.524	43.138	77	Current	27	10.643	10.313	20.956
77	Current	11	20.873	23.524	44.397	78	Current	27	11.750	10.313	22.063
78	Current	11	21.980	23.524	45.504	79	Current	27	12.763	10.313	23.076
80	Current	11	20.705	23.524	44.230	80	Current	27	7.818	10.313	18.131
82	Current	11	19.148	23.524	42.672	82	Current	27	1.442	10.313	11.755
83	Current	11	22.400	23.524	45.925	83	Current	27	4.774	10.313	15.087
85	Current	11	16.150	23.524	39.675	84	Current	27	9.340	10.313	19.653
86	Current	11	22.719	23.524	46.243	85	Current	27	3.373	10.313	13.686
87	Current	11	16.390	23.524	39.914	86	Current	27	6.676	10.313	16.989
105	Current	11	3.772	23.524	27.297	87	Current	27	6.708	10.313	17.022
106	Current	11	9.027	23.524	32.551	88	Current	27	9.873	10.313	20.187
107	Current	11	1.723	23.524	25.248	89	Current	27	19.655	10.313	29.968
110	Current	11	22.603	23.524	46.127	90	Current	27	19.629	10.313	29.942
114	Current	11	13.916	23.524	37.441	91	Current	27	15.402	10.313	25.715
115	Current	11	17.246	23.524	40.770	93	Current	27	28.416	10.313	38.729
117	Current	11	20.196	23.524	43.721	94	Current	27	19.070	10.313	29.383
118	Current	11	21.216	23.524	44.741	99	Current	27	24.022	10.313	34.335
2	Potential	12	17.360	27.863	45.223	104	Current	27	29.676	10.313	39.989
9	Potential	12	16.865	27.863	44.728	105	Current	27	15.653	10.313	25.967
10	Potential	12	18.745	27.863	46.608	106	Current	27	12.265	10.313	22.579
21	Potential	12	16.504	27.863	44.367	107	Current	27	13.808	10.313	24.121
28	Potential	12	16.938	27.863	44.801	108	Current	27	23.115	10.313	33.428
29	Potential	12	5.789	27.863	33.651	110	Current	27	20.787	10.313	31.100
32	Potential	12	18.050	27.863	45.913	113	Current	27	22.550	10.313	32.863
33	Potential	12	16.872	27.863	44.735	114	Current	27	12.636	10.313	22.949
35	Potential	12	9.568	27.863	37.431	115	Current	27	15.491	10.313	25.804
36	Potential	12	17.329	27.863	45.192	116	Current	27	36.676	10.313	46.989
51	Potential	12	8.871	27.863	36.734	117	Current	27	18.574	10.313	28.887
53	Potential	12	16.365	27.863	44.228	118	Current	27	19.594	10.313	29.907
54	Potential	12	16.190	27.863	44.052	119	Current	27	26.409	10.313	36.722
55	Potential	12	16.509	27.863	44.371	120	Current	27	24.941	10.313	35.254
58	Current	12	17.162	27.863	45.024	6	Potential	28	27.310	17.178	44.488
59	Current	12	15.839	27.863	43.702	7	Potential	28	25.697	17.178	42.875
60	Current	12	16.546	27.863	44.409	8	Potential	28	24.834	17.178	42.012
61	Current	12	11.559	27.863	39.421	9	Potential	28	6.020	17.178	23.198
85	Current	12	16.288	27.863	44.150	10	Potential	28	7.005	17.178	24.182
87	Current	12	14.587	27.863	42.450	12	Potential	28	10.717	17.178	27.895
106	Current	12	12.292	27.863	40.154	13	Potential	28	14.686	17.178	31.864
108	Current	12	7.808	27.863	35.671	14	Potential	28	8.821	17.178	25.998
110	Current	12	15.151	27.863	43.013	15	Potential	28	1.734	17.178	18.911
113	Current	12	16.914	27.863	44.777	17	Potential	28	6.157	17.178	23.335
114	Current	12	10.008	27.863	37.870	18	Potential	28	1.159	17.178	18.337
115	Current	12	8.719	27.863	36.582	19	Potential	28	11.293	17.178	28.470

117	Current	12	4.480	27.863	32.343	20	Potential	28	12.004	17.178	29.182
118	Current	12	4.639	27.863	32.502	21	Potential	28	4.438	17.178	21.616
119	Current	12	11.102	27.863	38.965	22	Potential	28	2.178	17.178	19.355
2	Potential	13	0.000	41.178	41.178	23	Potential	28	27.482	17.178	44.660
51	Potential	14	12.667	33.456	46.123	28	Potential	28	20.168	17.178	37.345
52	Potential	14	11.162	33.456	44.619	29	Potential	28	27.248	17.178	44.426
53	Potential	14	5.901	33.456	39.357	30	Potential	28	18.111	17.178	35.288
55	Potential	14	5.453	33.456	38.910	35	Potential	28	29.446	17.178	46.624
108	Current	14	10.886	33.456	44.342	48	Potential	28	26.989	17.178	44.167
110	Current	14	11.652	33.456	45.108	49	Potential	28	13.229	17.178	30.406
113	Current	14	7.577	33.456	41.033	50	Potential	28	10.856	17.178	28.033
117	Current	14	12.907	33.456	46.363	51	Potential	28	19.804	17.178	36.982
119	Current	14	8.341	33.456	41.797	52	Potential	28	28.328	17.178	45.506
96	Current	15	2.872	38.134	41.006	53	Potential	28	24.007	17.178	41.185
97	Current	15	2.731	38.134	40.865	54	Potential	28	23.831	17.178	41.009
98	Current	15	3.801	38.134	41.935	55	Potential	28	26.268	17.178	43.445
96	Current	16	6.634	39.509	46.142	56	Current	28	13.551	17.178	30.729
97	Current	16	6.450	39.509	45.958	57	Current	28	19.650	17.178	36.828
6	Potential	17	24.516	20.076	44.591	58	Current	28	19.445	17.178	36.623
7	Potential	17	22.903	20.076	42.978	64	Current	28	24.303	17.178	41.481
8	Potential	17	10.107	20.076	30.182	76	Current	28	9.902	17.178	27.079
12	Potential	17	24.520	20.076	44.595	77	Current	28	7.117	17.178	24.295
19	Potential	17	23.523	20.076	43.599	78	Current	28	6.394	17.178	23.572
20	Potential	17	24.097	20.076	44.172	79	Current	28	17.880	17.178	35.058
23	Potential	17	7.264	20.076	27.339	80	Current	28	8.958	17.178	26.136
25	Potential	17	24.011	20.076	44.086	82	Current	28	8.020	17.178	25.197
43	Potential	17	21.566	20.076	41.641	83	Current	28	11.272	17.178	28.450
44	Potential	17	26.382	20.076	46.457	84	Current	28	14.792	17.178	31.970
45	Potential	17	24.811	20.076	44.887	85	Current	28	5.274	17.178	22.452
74	Current	17	26.499	20.076	46.574	86	Current	28	11.843	17.178	29.021
82	Current	17	26.742	20.076	46.817	87	Current	28	8.730	17.178	25.908
83	Current	17	23.377	20.076	43.452	88	Current	28	13.926	17.178	31.104
84	Current	17	21.400	20.076	41.475	89	Current	28	25.108	17.178	42.285
86	Current	17	24.083	20.076	44.159	90	Current	28	25.081	17.178	42.259
89	Current	17	22.313	20.076	42.389	91	Current	28	20.855	17.178	38.032
90	Current	17	10.354	20.076	30.430	94	Current	28	23.123	17.178	40.301
91	Current	17	18.082	20.076	38.157	99	Current	28	29.475	17.178	46.652
96	Current	17	20.718	20.076	40.793	105	Current	28	12.713	17.178	29.891
97	Current	17	21.184	20.076	41.259	106	Current	28	11.412	17.178	28.589
98	Current	17	20.272	20.076	40.347	107	Current	28	10.868	17.178	28.045
99	Current	17	4.950	20.076	25.026	108	Current	28	25.121	17.178	42.298
100	Current	17	19.686	20.076	39.762	110	Current	28	22.792	17.178	39.970
103	Current	17	16.166	20.076	36.242	113	Current	28	24.556	17.178	41.734
104	Current	17	8.737	20.076	28.812	114	Current	28	14.642	17.178	31.819
43	Potential	18	5.422	36.240	41.662	115	Current	28	17.497	17.178	34.675
74	Current	18	10.549	36.240	46.789	117	Current	28	20.580	17.178	37.757
103	Current	18	7.683	36.240	43.923	118	Current	28	21.600	17.178	38.777
96	Current	19	6.152	40.327	46.478	119	Current	28	28.415	17.178	45.592
97	Current	19	6.204	40.327	46.530	120	Current	28	26.947	17.178	44.125
98	Current	19	5.366	40.327	45.693	6	Potential	29	28.361	18.379	46.740
25	Potential	20	12.853	34.094	46.947	7	Potential	29	26.748	18.379	45.127
44	Potential	20	9.575	34.094	43.669	8	Potential	29	25.885	18.379	44.264
45	Potential	20	8.004	34.094	42.098	9	Potential	29	7.794	18.379	26.173
73	Current	20	11.104	34.094	45.198	10	Potential	29	8.778	18.379	27.158
75	Current	20	11.989	34.094	46.083	12	Potential	29	10.448	18.379	28.828
96	Current	20	5.117	34.094	39.211	13	Potential	29	16.460	18.379	34.839

97	Current	20	5.649	34.094	39.743	14	Potential	29	8.552	18.379	26.931
98	Current	20	6.516	34.094	40.610	15	Potential	29	1.602	18.379	19.981
100	Current	20	4.125	34.094	38.219	17	Potential	29	5.419	18.379	23.798
103	Current	20	11.193	34.094	45.287	18	Potential	29	2.360	18.379	20.740
2	Potential	21	38.064	5.273	43.338	19	Potential	29	11.298	18.379	29.677
6	Potential	21	16.537	5.273	21.810	20	Potential	29	13.751	18.379	32.130
7	Potential	21	14.924	5.273	20.197	21	Potential	29	6.212	18.379	24.591
8	Potential	21	14.061	5.273	19.334	22	Potential	29	1.014	18.379	19.393
9	Potential	21	7.042	5.273	12.315	23	Potential	29	28.533	18.379	46.912
10	Potential	21	7.362	5.273	12.636	28	Potential	29	21.941	18.379	40.321
12	Potential	21	5.516	5.273	10.790	30	Potential	29	19.884	18.379	38.264
13	Potential	21	13.448	5.273	18.722	49	Potential	29	15.002	18.379	33.382
14	Potential	21	9.920	5.273	15.193	50	Potential	29	12.629	18.379	31.009
15	Potential	21	14.364	5.273	19.638	51	Potential	29	21.578	18.379	39.957
17	Potential	21	17.698	5.273	22.971	53	Potential	29	25.781	18.379	44.160
18	Potential	21	13.585	5.273	18.858	54	Potential	29	25.605	18.379	43.984
19	Potential	21	3.443	5.273	8.716	55	Potential	29	28.041	18.379	46.421
20	Potential	21	0.730	5.273	6.003	56	Current	29	15.325	18.379	33.704
21	Potential	21	12.258	5.273	17.531	57	Current	29	21.424	18.379	39.803
22	Potential	21	14.808	5.273	20.082	58	Current	29	21.219	18.379	39.598
23	Potential	21	16.709	5.273	21.982	64	Current	29	26.077	18.379	44.456
28	Potential	21	18.930	5.273	24.203	76	Current	29	8.251	18.379	26.630
29	Potential	21	29.390	5.273	34.663	77	Current	29	5.466	18.379	23.846
30	Potential	21	16.873	5.273	22.146	78	Current	29	5.656	18.379	24.035
32	Potential	21	40.070	5.273	45.343	79	Current	29	17.612	18.379	35.991
33	Potential	21	28.668	5.273	33.942	80	Current	29	8.689	18.379	27.069
35	Potential	21	31.588	5.273	36.861	82	Current	29	9.150	18.379	27.529
36	Potential	21	39.349	5.273	44.623	83	Current	29	11.278	18.379	29.657
38	Potential	21	30.431	5.273	35.705	84	Current	29	15.843	18.379	34.222
43	Potential	21	37.184	5.273	42.458	85	Current	29	7.048	18.379	25.427
48	Potential	21	29.131	5.273	34.404	86	Current	29	13.589	18.379	31.969
49	Potential	21	21.048	5.273	26.322	87	Current	29	10.504	18.379	28.883
50	Potential	21	18.675	5.273	23.948	88	Current	29	15.700	18.379	34.079
51	Potential	21	21.946	5.273	27.219	89	Current	29	26.158	18.379	44.538
52	Potential	21	30.470	5.273	35.744	90	Current	29	26.132	18.379	44.511
53	Potential	21	26.149	5.273	31.422	91	Current	29	21.906	18.379	40.285
54	Potential	21	25.973	5.273	31.246	94	Current	29	24.897	18.379	43.276
55	Potential	21	28.410	5.273	33.683	105	Current	29	14.487	18.379	32.866
56	Current	21	12.314	5.273	17.587	106	Current	29	13.186	18.379	31.565
57	Current	21	18.412	5.273	23.686	107	Current	29	12.641	18.379	31.020
58	Current	21	18.207	5.273	23.481	108	Current	29	26.894	18.379	45.273
59	Current	21	29.331	5.273	34.604	110	Current	29	24.566	18.379	42.945
60	Current	21	38.566	5.273	43.839	113	Current	29	26.330	18.379	44.709
61	Current	21	33.578	5.273	38.852	114	Current	29	16.415	18.379	34.795
64	Current	21	23.065	5.273	28.339	115	Current	29	19.271	18.379	37.650
66	Current	21	26.467	5.273	31.740	117	Current	29	22.353	18.379	40.733
71	Current	21	41.085	5.273	46.358	118	Current	29	23.373	18.379	41.753
76	Current	21	19.613	5.273	24.886	9	Potential	30	11.546	20.850	32.396
77	Current	21	16.828	5.273	22.102	10	Potential	30	11.746	20.850	32.596
78	Current	21	17.935	5.273	23.208	12	Potential	30	12.551	20.850	33.402
79	Current	21	11.366	5.273	16.639	13	Potential	30	20.211	20.850	41.062
80	Current	21	8.587	5.273	13.860	14	Potential	30	10.655	20.850	31.505
82	Current	21	6.824	5.273	12.097	15	Potential	30	6.175	20.850	27.025
83	Current	21	3.297	5.273	8.570	17	Potential	30	1.762	20.850	22.612
84	Current	21	4.019	5.273	9.293	18	Potential	30	6.112	20.850	26.962
85	Current	21	7.521	5.273	12.794	19	Potential	30	13.401	20.850	34.251

86	Current	21	0.915	5.273	6.188	20	Potential	30	15.854	20.850	36.704
87	Current	21	10.806	5.273	16.079	21	Potential	30	9.964	20.850	30.814
88	Current	21	12.689	5.273	17.962	22	Potential	30	5.587	20.850	26.437
89	Current	21	14.335	5.273	19.608	28	Potential	30	25.693	20.850	46.543
90	Current	21	14.308	5.273	19.582	30	Potential	30	23.636	20.850	44.486
91	Current	21	10.082	5.273	15.355	49	Potential	30	18.754	20.850	39.604
93	Current	21	23.096	5.273	28.369	50	Potential	30	16.381	20.850	37.231
94	Current	21	19.874	5.273	25.148	51	Potential	30	25.329	20.850	46.179
96	Current	21	39.421	5.273	44.694	56	Current	30	19.077	20.850	39.927
97	Current	21	39.887	5.273	45.161	57	Current	30	25.175	20.850	46.025
98	Current	21	38.975	5.273	44.248	58	Current	30	24.970	20.850	45.821
99	Current	21	18.702	5.273	23.975	76	Current	30	10.116	20.850	30.967
100	Current	21	38.390	5.273	43.663	77	Current	30	7.332	20.850	28.182
103	Current	21	31.785	5.273	37.058	78	Current	30	1.585	20.850	22.435
104	Current	21	24.355	5.273	29.629	79	Current	30	19.715	20.850	40.565
105	Current	21	20.533	5.273	25.806	80	Current	30	10.792	20.850	31.642
106	Current	21	16.413	5.273	21.686	82	Current	30	11.253	20.850	32.103
107	Current	21	18.687	5.273	23.960	83	Current	30	13.381	20.850	34.231
108	Current	21	27.262	5.273	32.536	84	Current	30	17.946	20.850	38.796
110	Current	21	24.934	5.273	30.208	85	Current	30	10.800	20.850	31.650
113	Current	21	26.698	5.273	31.971	86	Current	30	15.693	20.850	36.543
114	Current	21	16.784	5.273	22.057	87	Current	30	14.255	20.850	35.106
115	Current	21	19.639	5.273	24.912	88	Current	30	19.452	20.850	40.302
116	Current	21	40.824	5.273	46.097	91	Current	30	24.009	20.850	44.859
117	Current	21	22.721	5.273	27.995	105	Current	30	18.239	20.850	39.089
118	Current	21	23.741	5.273	29.015	106	Current	30	16.937	20.850	37.787
119	Current	21	30.557	5.273	35.830	107	Current	30	16.393	20.850	37.243
120	Current	21	29.089	5.273	34.362	114	Current	30	20.167	20.850	41.017
2	Potential	22	37.218	6.000	43.218	115	Current	30	23.022	20.850	43.873
6	Potential	22	17.484	6.000	23.483	117	Current	30	26.105	20.850	46.955
7	Potential	22	15.871	6.000	21.870	7	Potential	31	27.591	19.350	46.941
8	Potential	22	15.008	6.000	21.007	8	Potential	31	26.728	19.350	46.078
9	Potential	22	6.196	6.000	12.196	9	Potential	31	7.915	19.350	27.264
10	Potential	22	5.407	6.000	11.406	10	Potential	31	8.899	19.350	28.249
12	Potential	22	2.775	6.000	8.774	12	Potential	31	13.482	19.350	32.832
13	Potential	22	12.603	6.000	18.602	13	Potential	31	16.580	19.350	35.930
14	Potential	22	7.178	6.000	13.178	14	Potential	31	11.586	19.350	30.936
15	Potential	22	11.683	6.000	17.683	15	Potential	31	8.641	19.350	27.991
17	Potential	22	15.017	6.000	21.016	17	Potential	31	12.761	19.350	32.110
18	Potential	22	10.904	6.000	16.903	18	Potential	31	7.861	19.350	27.211
19	Potential	22	0.460	6.000	6.459	19	Potential	31	13.439	19.350	32.788
20	Potential	22	2.794	6.000	8.794	20	Potential	31	13.898	19.350	33.248
21	Potential	22	11.412	6.000	17.412	21	Potential	31	1.471	19.350	20.821
22	Potential	22	12.127	6.000	18.127	22	Potential	31	9.085	19.350	28.435
23	Potential	22	17.655	6.000	23.655	28	Potential	31	22.062	19.350	41.411
28	Potential	22	18.084	6.000	24.084	29	Potential	31	24.281	19.350	43.630
29	Potential	22	28.544	6.000	34.544	30	Potential	31	20.005	19.350	39.354
30	Potential	22	16.027	6.000	22.027	35	Potential	31	26.479	19.350	45.829
32	Potential	22	39.224	6.000	45.224	48	Potential	31	24.022	19.350	43.371
33	Potential	22	27.823	6.000	33.822	49	Potential	31	10.262	19.350	29.611
35	Potential	22	30.742	6.000	36.742	50	Potential	31	7.889	19.350	27.238
36	Potential	22	38.504	6.000	44.503	51	Potential	31	16.837	19.350	36.186
38	Potential	22	29.586	6.000	35.585	52	Potential	31	25.361	19.350	44.711
43	Potential	22	38.131	6.000	44.131	53	Potential	31	21.040	19.350	40.390
48	Potential	22	28.285	6.000	34.285	54	Potential	31	20.864	19.350	40.214
49	Potential	22	20.203	6.000	26.202	55	Potential	31	23.301	19.350	42.650

50	Potential	22	17.829	6.000	23.829	56	Current	31	15.446	19.350	34.795
51	Potential	22	21.100	6.000	27.100	57	Current	31	21.544	19.350	40.894
52	Potential	22	29.625	6.000	35.624	58	Current	31	21.339	19.350	40.689
53	Potential	22	25.303	6.000	31.303	64	Current	31	26.197	19.350	45.547
54	Potential	22	25.127	6.000	31.127	76	Current	31	14.675	19.350	34.025
55	Potential	22	27.564	6.000	33.564	77	Current	31	11.891	19.350	31.240
56	Current	22	11.468	6.000	17.468	78	Current	31	12.998	19.350	32.347
57	Current	22	17.566	6.000	23.566	79	Current	31	20.646	19.350	39.995
58	Current	22	17.362	6.000	23.361	80	Current	31	11.723	19.350	31.073
59	Current	22	28.485	6.000	34.485	82	Current	31	10.166	19.350	29.515
60	Current	22	37.720	6.000	43.720	83	Current	31	13.418	19.350	32.768
61	Current	22	32.733	6.000	38.732	84	Current	31	16.687	19.350	36.036
62	Current	22	40.940	6.000	46.940	85	Current	31	7.168	19.350	26.518
64	Current	22	22.220	6.000	28.219	86	Current	31	13.737	19.350	33.087
66	Current	22	27.414	6.000	33.413	87	Current	31	8.878	19.350	28.227
76	Current	22	16.931	6.000	22.931	88	Current	31	15.820	19.350	35.170
77	Current	22	14.147	6.000	20.147	89	Current	31	27.002	19.350	46.351
78	Current	22	15.254	6.000	21.254	90	Current	31	26.976	19.350	46.325
79	Current	22	8.624	6.000	14.624	91	Current	31	22.749	19.350	42.099
80	Current	22	5.845	6.000	11.845	94	Current	31	25.017	19.350	44.367
82	Current	22	3.956	6.000	9.956	105	Current	31	9.746	19.350	29.096
83	Current	22	0.555	6.000	6.555	106	Current	31	8.445	19.350	27.794
84	Current	22	4.966	6.000	10.966	107	Current	31	7.900	19.350	27.250
85	Current	22	6.675	6.000	12.675	108	Current	31	22.153	19.350	41.503
86	Current	22	2.633	6.000	8.633	110	Current	31	19.825	19.350	39.175
87	Current	22	9.960	6.000	15.960	113	Current	31	21.589	19.350	40.939
88	Current	22	11.843	6.000	17.843	114	Current	31	11.675	19.350	31.024
89	Current	22	15.281	6.000	21.281	115	Current	31	14.530	19.350	33.880
90	Current	22	15.255	6.000	21.255	117	Current	31	17.613	19.350	36.962
91	Current	22	11.028	6.000	17.028	118	Current	31	18.632	19.350	37.982
93	Current	22	24.042	6.000	30.042	119	Current	31	25.448	19.350	44.797
94	Current	22	20.821	6.000	26.821	120	Current	31	23.980	19.350	43.330
96	Current	22	40.368	6.000	46.368	6	Potential	32	19.248	15.880	35.129
97	Current	22	40.834	6.000	46.834	7	Potential	32	14.237	15.880	30.117
98	Current	22	39.922	6.000	45.921	13	Potential	32	1.580	15.880	17.460
99	Current	22	19.648	6.000	25.648	28	Potential	32	9.811	15.880	25.691
100	Current	22	39.337	6.000	45.336	29	Potential	32	23.766	15.880	39.646
103	Current	22	32.732	6.000	38.732	30	Potential	32	7.754	15.880	23.634
104	Current	22	25.302	6.000	31.302	33	Potential	32	19.549	15.880	35.429
105	Current	22	19.687	6.000	25.687	35	Potential	32	23.980	15.880	39.861
106	Current	22	15.567	6.000	21.567	38	Potential	32	21.312	15.880	37.192
107	Current	22	17.841	6.000	23.841	56	Current	32	1.773	15.880	17.653
108	Current	22	26.417	6.000	32.416	57	Current	32	9.293	15.880	25.173
110	Current	22	24.089	6.000	30.088	58	Current	32	9.088	15.880	24.968
113	Current	22	25.852	6.000	31.852	59	Current	32	20.212	15.880	36.092
114	Current	22	15.938	6.000	21.937	60	Current	32	30.958	15.880	46.838
115	Current	22	18.793	6.000	24.793	61	Current	32	25.971	15.880	41.851
116	Current	22	39.978	6.000	45.978	64	Current	32	12.631	15.880	28.512
117	Current	22	21.876	6.000	27.875	84	Current	32	30.434	15.880	46.314
118	Current	22	22.896	6.000	28.895	88	Current	32	1.048	15.880	16.928
119	Current	22	29.711	6.000	35.711	89	Current	32	16.058	15.880	31.938
120	Current	22	28.243	6.000	34.243	91	Current	32	21.740	15.880	37.620
2	Potential	23	35.585	7.987	43.573	93	Current	32	28.223	15.880	44.104
6	Potential	23	19.472	7.987	27.459	94	Current	32	11.452	15.880	27.332
7	Potential	23	17.859	7.987	25.846	118	Current	32	28.936	15.880	44.816
8	Potential	23	16.996	7.987	24.983	44	Potential	33	4.604	39.622	44.227

9	Potential	23	4.563	7.987	12.550	45	Potential	33	4.953	39.622	44.575
10	Potential	23	4.780	7.987	12.768	73	Current	33	5.138	39.622	44.761
12	Potential	23	4.995	7.987	12.982	75	Current	33	5.449	39.622	45.071
13	Potential	23	10.970	7.987	18.957	41	Potential	34	2.024	44.006	46.030
14	Potential	23	9.398	7.987	17.386	42	Potential	35	1.350	40.928	42.277
15	Potential	23	11.329	7.987	19.316	6	Potential	36	20.091	23.108	43.198
17	Potential	23	14.663	7.987	22.650	7	Potential	36	20.664	23.108	43.772
18	Potential	23	10.550	7.987	18.537	13	Potential	36	11.889	23.108	34.997
19	Potential	23	2.638	7.987	10.626	28	Potential	36	1.543	23.108	24.651
20	Potential	23	4.166	7.987	12.153	29	Potential	36	16.746	23.108	39.853
21	Potential	23	9.676	7.987	17.663	30	Potential	36	6.381	23.108	29.489
22	Potential	23	11.773	7.987	19.760	33	Potential	36	12.529	23.108	35.636
23	Potential	23	19.644	7.987	27.631	35	Potential	36	16.960	23.108	40.068
28	Potential	23	16.451	7.987	24.438	38	Potential	36	14.292	23.108	37.399
29	Potential	23	26.911	7.987	34.898	56	Current	36	9.162	23.108	32.269
30	Potential	23	14.394	7.987	22.381	57	Current	36	7.921	23.108	31.028
32	Potential	23	37.591	7.987	45.578	58	Current	36	2.291	23.108	25.399
33	Potential	23	26.190	7.987	34.177	59	Current	36	13.191	23.108	36.299
35	Potential	23	29.109	7.987	37.096	61	Current	36	18.950	23.108	42.058
36	Potential	23	36.870	7.987	44.858	64	Current	36	15.413	23.108	38.521
38	Potential	23	27.952	7.987	35.940	88	Current	36	11.298	23.108	34.406
48	Potential	23	26.652	7.987	34.639	89	Current	36	22.485	23.108	45.593
49	Potential	23	18.466	7.987	26.453	94	Current	36	17.879	23.108	40.987
50	Potential	23	16.093	7.987	24.080	118	Current	36	21.916	23.108	45.023
51	Potential	23	19.467	7.987	27.454	6	Potential	37	23.379	21.301	44.681
52	Potential	23	27.991	7.987	35.979	7	Potential	37	18.368	21.301	39.669
53	Potential	23	23.670	7.987	31.657	13	Potential	37	9.592	21.301	30.894
54	Potential	23	23.494	7.987	31.481	28	Potential	37	6.640	21.301	27.941
55	Potential	23	25.931	7.987	33.918	29	Potential	37	20.596	21.301	41.897
56	Current	23	9.835	7.987	17.822	30	Potential	37	1.314	21.301	22.616
57	Current	23	15.933	7.987	23.921	33	Potential	37	16.379	21.301	37.680
58	Current	23	15.728	7.987	23.716	35	Potential	37	20.810	21.301	42.111
59	Current	23	26.852	7.987	34.839	38	Potential	37	18.142	21.301	39.443
60	Current	23	36.087	7.987	44.074	56	Current	37	6.865	21.301	28.167
61	Current	23	31.100	7.987	39.087	57	Current	37	2.280	21.301	23.582
64	Current	23	20.586	7.987	28.574	58	Current	37	5.918	21.301	27.219
66	Current	23	29.402	7.987	37.389	59	Current	37	17.041	21.301	38.342
76	Current	23	16.577	7.987	24.564	61	Current	37	22.800	21.301	44.101
77	Current	23	13.793	7.987	21.780	64	Current	37	16.762	21.301	38.064
78	Current	23	14.900	7.987	22.887	88	Current	37	9.002	21.301	30.303
79	Current	23	10.844	7.987	18.831	89	Current	37	20.189	21.301	41.490
80	Current	23	8.066	7.987	16.053	94	Current	37	15.583	21.301	36.884
82	Current	23	3.602	7.987	11.589	6	Potential	38	10.115	19.602	29.716
83	Current	23	2.801	7.987	10.788	7	Potential	38	8.656	19.602	28.257
84	Current	23	6.954	7.987	14.941	8	Potential	38	25.939	19.602	45.541
85	Current	23	5.042	7.987	13.029	12	Potential	38	27.130	19.602	46.732
86	Current	23	4.005	7.987	11.992	13	Potential	38	19.566	19.602	39.167
87	Current	23	8.327	7.987	16.314	19	Potential	38	26.133	19.602	45.735
88	Current	23	10.210	7.987	18.197	20	Potential	38	26.707	19.602	46.309
89	Current	23	17.270	7.987	25.257	28	Potential	38	14.524	19.602	34.126
90	Current	23	17.243	7.987	25.231	29	Potential	38	21.669	19.602	41.271
91	Current	23	13.017	7.987	21.004	30	Potential	38	13.180	19.602	32.781
93	Current	23	26.031	7.987	34.018	33	Potential	38	17.452	19.602	37.054
94	Current	23	19.407	7.987	27.394	35	Potential	38	21.883	19.602	41.485
99	Current	23	21.637	7.987	29.624	38	Potential	38	12.540	19.602	32.142
103	Current	23	34.720	7.987	42.707	56	Current	38	16.839	19.602	36.440

104	Current	23	27.290	7.987	35.278	57	Current	38	14.719	19.602	34.320
105	Current	23	17.951	7.987	25.938	58	Current	38	14.607	19.602	34.209
106	Current	23	13.934	7.987	21.921	59	Current	38	16.583	19.602	36.185
107	Current	23	16.105	7.987	24.092	61	Current	38	23.874	19.602	43.475
108	Current	23	24.783	7.987	32.771	64	Current	38	1.880	19.602	21.481
110	Current	23	22.455	7.987	30.443	66	Current	38	22.461	19.602	42.063
113	Current	23	24.219	7.987	32.206	83	Current	38	25.987	19.602	45.589
114	Current	23	14.305	7.987	22.292	84	Current	38	24.010	19.602	43.612
115	Current	23	17.160	7.987	25.147	86	Current	38	26.693	19.602	46.295
116	Current	23	38.345	7.987	46.332	88	Current	38	18.975	19.602	38.577
117	Current	23	20.243	7.987	28.230	89	Current	38	10.477	19.602	30.079
118	Current	23	21.262	7.987	29.250	90	Current	38	26.186	19.602	45.788
119	Current	23	28.078	7.987	36.065	91	Current	38	15.316	19.602	34.917
120	Current	23	26.610	7.987	34.597	93	Current	38	19.090	19.602	38.691
2	Potential	24	39.422	7.346	46.768	94	Current	38	2.956	19.602	22.557
6	Potential	24	18.753	7.346	26.099	118	Current	38	26.839	19.602	46.441
7	Potential	24	17.140	7.346	24.486	29	Potential	39	13.755	31.846	45.601
8	Potential	24	16.277	7.346	23.623	35	Potential	39	13.970	31.846	45.815
9	Potential	24	8.400	7.346	15.746	38	Potential	39	1.998	31.846	33.843
10	Potential	24	6.481	7.346	13.827	59	Current	39	4.542	31.846	36.388
12	Potential	24	0.372	7.346	7.718	64	Current	39	13.365	31.846	45.211
13	Potential	24	14.806	7.346	22.152	28	Potential	40	13.148	32.864	46.012
14	Potential	24	4.747	7.346	12.093	29	Potential	40	10.674	32.864	43.538
15	Potential	24	11.215	7.346	18.561	33	Potential	40	13.081	32.864	45.946
17	Potential	24	13.731	7.346	21.078	35	Potential	40	10.888	32.864	43.752
18	Potential	24	10.436	7.346	17.782	38	Potential	40	3.008	32.864	35.872
19	Potential	24	2.698	7.346	10.044	58	Current	40	13.371	32.864	46.235
20	Potential	24	4.998	7.346	12.344	59	Current	40	1.461	32.864	34.325
21	Potential	24	13.271	7.346	20.618	61	Current	40	12.878	32.864	45.743
22	Potential	24	11.659	7.346	19.005	28	Potential	41	11.405	32.248	43.653
23	Potential	24	18.925	7.346	26.271	29	Potential	41	0.255	32.248	32.504
28	Potential	24	20.288	7.346	27.634	30	Potential	41	14.177	32.248	46.426
29	Potential	24	30.748	7.346	38.094	32	Potential	41	12.517	32.248	44.765
30	Potential	24	18.231	7.346	25.577	33	Potential	41	11.338	32.248	43.587
33	Potential	24	30.026	7.346	37.372	35	Potential	41	4.035	32.248	36.283
35	Potential	24	32.946	7.346	40.292	36	Potential	41	11.796	32.248	44.045
38	Potential	24	31.789	7.346	39.135	38	Potential	41	13.627	32.248	45.875
43	Potential	24	39.400	7.346	46.746	51	Potential	41	13.257	32.248	45.506
48	Potential	24	30.489	7.346	37.835	58	Current	41	11.628	32.248	43.877
49	Potential	24	22.062	7.346	29.408	59	Current	41	10.306	32.248	42.554
50	Potential	24	19.689	7.346	27.035	60	Current	41	11.012	32.248	43.261
51	Potential	24	23.304	7.346	30.650	61	Current	41	6.025	32.248	38.274
52	Potential	24	31.828	7.346	39.174	62	Current	41	14.232	32.248	46.481
53	Potential	24	27.507	7.346	34.853	70	Current	41	14.517	32.248	46.766
54	Potential	24	27.331	7.346	34.677	108	Current	41	11.088	32.248	43.337
55	Potential	24	29.767	7.346	37.114	114	Current	41	14.394	32.248	46.642
56	Current	24	13.672	7.346	21.018	115	Current	41	13.105	32.248	45.353
57	Current	24	19.770	7.346	27.116	117	Current	41	8.866	32.248	41.115
58	Current	24	19.565	7.346	26.911	118	Current	41	6.696	32.248	38.945
59	Current	24	30.689	7.346	38.035	119	Current	41	14.383	32.248	46.631
61	Current	24	34.936	7.346	42.282	32	Potential	42	2.437	44.547	46.984
64	Current	24	24.423	7.346	31.769	29	Potential	43	6.731	37.654	44.385
66	Current	24	28.683	7.346	36.029	35	Potential	43	2.952	37.654	40.605
						61	Current	43	5.132	37.654	42.786