

## 10m BALUN lead NEXT

Freq	Limit	12-36 Mag.	12-45 Mag.	12-78 Mag.	36-45 Mag.	36-78 Mag.	45-78 Mag.
1.000	60.000	76.678	84.797	86.750	71.055	81.437	85.071
1.125	59.729	76.165	83.743	85.934	70.389	81.012	84.765
1.250	59.458	75.466	82.736	84.839	69.545	80.414	84.209
1.375	59.188	74.941	81.804	83.736	69.012	79.976	83.687
1.500	58.917	74.788	80.359	82.408	69.240	79.886	83.108
1.625	58.646	74.637	79.120	81.256	69.473	79.796	82.565
1.750	58.375	74.562	78.256	80.558	68.980	79.810	82.259
1.875	58.104	74.716	77.270	79.615	69.041	79.946	81.551
2.000	57.833	74.474	75.733	79.085	69.136	79.960	80.366
2.125	57.563	74.237	74.428	78.587	69.231	79.975	79.323
2.250	57.292	75.056	74.801	77.713	69.317	80.675	79.770
2.375	57.021	76.517	75.878	76.810	69.549	81.793	80.405
2.500	56.750	78.511	77.008	75.988	69.900	83.248	80.595
2.625	56.479	80.755	77.467	75.316	70.377	84.909	80.314
2.750	56.208	82.289	76.241	74.932	70.847	87.161	80.351
2.875	55.938	84.338	75.145	74.234	71.275	89.810	80.355
3.000	55.667	88.377	74.577	73.671	72.302	93.190	79.840
3.125	55.396	90.429	73.835	73.388	73.365	97.757	79.954
3.250	55.125	88.615	73.382	72.831	74.271	94.953	79.800
3.375	54.854	83.693	72.455	72.424	75.503	89.566	79.559
3.500	54.583	80.404	72.128	72.112	77.545	86.101	79.236
3.625	54.313	77.738	71.684	71.733	78.868	83.177	79.303
3.750	54.042	75.672	71.359	71.416	79.318	80.589	79.279
3.875	53.771	73.650	70.696	71.130	78.089	78.712	79.113
4.000	53.500	72.102	70.411	70.700	76.437	77.332	78.762
4.125	53.347	70.747	70.024	70.473	74.377	75.863	78.879
4.250	53.194	69.485	69.646	70.140	72.471	74.806	78.724
4.375	53.041	68.317	69.349	69.918	70.681	73.461	78.600
4.500	52.888	67.340	69.053	69.647	69.159	72.597	78.336
4.625	52.734	66.449	68.709	69.432	67.840	71.629	78.179
4.750	52.581	65.601	68.447	69.231	66.729	70.808	78.127
4.875	52.428	64.813	68.184	69.017	65.531	69.993	77.736
5.000	52.275	64.112	67.938	68.889	64.545	69.277	77.742
5.125	52.122	63.479	67.762	68.733	63.650	68.673	77.826
5.250	51.969	62.863	67.554	68.588	62.831	68.018	77.817
5.375	51.816	62.310	67.365	68.484	62.139	67.452	77.309
5.500	51.662	61.739	67.160	68.392	61.392	66.877	76.998
5.625	51.509	61.255	67.053	68.381	60.759	66.496	77.212
5.750	51.356	60.818	66.999	68.186	60.198	66.008	76.675
5.875	51.203	60.395	66.779	68.137	59.612	65.633	76.382
6.000	51.050	60.021	66.707	68.149	59.138	65.230	76.542
6.125	50.897	59.647	66.694	68.076	58.661	64.935	76.096
6.250	50.744	59.330	66.628	68.037	58.226	64.570	76.215
6.375	50.591	59.010	66.569	68.127	57.855	64.274	75.586
6.500	50.438	58.747	66.549	68.100	57.470	64.069	75.581
6.625	50.284	58.471	66.494	67.961	57.151	63.787	75.181
6.750	50.131	58.273	66.544	68.105	56.845	63.612	75.176
6.875	49.978	58.082	66.551	68.184	56.580	63.433	74.855
7.000	49.825	57.935	66.571	68.218	56.308	63.234	74.798

7.125	49.672	57.745	66.648	68.219	56.070	63.098	74.567
7.250	49.519	57.655	66.817	68.346	55.882	63.055	74.237
7.375	49.366	57.535	66.880	68.325	55.686	63.006	74.078
7.500	49.212	57.455	66.875	68.500	55.550	62.914	73.904
7.625	49.059	57.417	67.008	68.624	55.415	62.937	73.665
7.750	48.906	57.405	67.348	68.765	55.350	62.873	73.567
7.875	48.753	57.393	67.351	68.816	55.271	62.896	73.324
8.000	48.600	57.444	67.676	69.023	55.194	62.980	73.168
8.125	48.500	57.479	67.946	69.109	55.217	63.087	72.979
8.250	48.400	57.569	68.146	69.140	55.174	63.144	72.879
8.375	48.300	57.711	68.290	69.335	55.219	63.305	72.658
8.500	48.200	57.832	68.491	69.477	55.259	63.433	72.549
8.625	48.100	58.018	68.631	69.577	55.334	63.654	72.198
8.750	48.000	58.211	68.859	69.697	55.428	63.873	72.100
8.875	47.900	58.467	69.006	69.778	55.592	64.113	71.960
9.000	47.800	58.756	69.040	69.877	55.768	64.363	71.813
9.125	47.700	59.069	69.093	70.009	55.915	64.687	71.644
9.250	47.600	59.456	69.115	69.920	56.217	65.037	71.601
9.375	47.500	59.864	69.113	70.014	56.533	65.399	71.518
9.500	47.400	60.380	68.602	70.003	56.799	65.607	71.494
9.625	47.300	60.896	68.534	69.974	57.185	66.073	71.260
9.750	47.200	61.556	68.185	69.995	57.606	66.394	71.219
9.875	47.100	62.170	67.965	69.857	58.109	66.671	71.114
10.000	47.000	62.942	67.519	69.732	58.641	66.948	71.006
10.125	46.929	63.894	67.208	69.633	59.257	67.076	70.923
10.250	46.858	64.878	66.785	69.611	59.964	67.133	70.877
10.375	46.787	65.920	66.288	69.419	60.766	67.127	70.848
10.500	46.717	67.129	65.832	69.254	61.658	66.974	70.731
10.625	46.646	68.314	65.209	69.216	62.722	66.428	70.904
10.750	46.575	69.274	64.638	68.910	63.896	66.167	70.663
10.875	46.504	69.694	64.213	68.826	65.519	65.768	70.579
11.000	46.433	69.323	63.714	68.751	67.372	65.071	70.359
11.125	46.362	68.456	63.305	68.294	69.969	64.680	70.325
11.250	46.292	67.231	62.894	68.229	73.260	64.062	70.272
11.375	46.221	65.896	62.493	68.057	77.978	63.416	70.237
11.500	46.150	64.669	62.086	67.823	78.261	62.901	70.276
11.625	46.079	63.515	61.682	67.726	73.651	62.340	70.145
11.750	46.008	62.363	61.338	67.476	69.963	61.895	70.170
11.875	45.938	61.413	61.036	67.368	67.269	61.289	70.191
12.000	45.867	60.487	60.683	67.189	65.088	60.827	70.143
12.125	45.796	59.652	60.347	67.074	63.359	60.363	70.220
12.250	45.725	58.904	60.038	66.897	61.899	59.921	70.145
12.375	45.654	58.236	59.809	66.791	60.651	59.522	70.268
12.500	45.583	57.640	59.562	66.711	59.555	59.157	70.392
12.625	45.512	57.060	59.220	66.662	58.626	58.791	70.346
12.750	45.442	56.519	59.016	66.475	57.753	58.455	70.419
12.875	45.371	56.051	58.824	66.412	56.977	58.146	70.501
13.000	45.300	55.630	58.632	66.358	56.299	57.870	70.648
13.125	45.229	55.247	58.469	66.308	55.679	57.634	70.870
13.250	45.158	54.877	58.316	66.327	55.055	57.399	71.061
13.375	45.087	54.565	58.179	66.325	54.558	57.205	71.248
13.500	45.017	54.273	58.113	66.374	54.120	56.989	71.562
13.625	44.946	53.984	57.944	66.383	53.677	56.809	71.861
13.750	44.875	53.736	57.870	66.363	53.287	56.713	72.023

13.875	44.804	53.548	57.813	66.334	52.922	56.591	72.538
14.000	44.733	53.361	57.785	66.386	52.601	56.506	72.959
14.125	44.662	53.223	57.784	66.536	52.326	56.461	73.468
14.250	44.592	53.077	57.757	66.539	52.055	56.408	74.162
14.375	44.521	52.928	57.756	66.577	51.836	56.288	74.595
14.500	44.450	52.905	57.759	66.805	51.633	56.396	75.478
14.625	44.379	52.844	57.777	67.036	51.451	56.431	76.977
14.750	44.308	52.840	57.853	66.930	51.289	56.457	78.104
14.875	44.237	52.809	57.948	67.176	51.160	56.541	79.360
15.000	44.167	52.850	58.020	67.474	51.082	56.677	81.414
15.125	44.096	52.894	58.134	67.551	51.003	56.788	84.289
15.250	44.025	52.974	58.264	67.738	50.952	56.997	88.808
15.375	43.954	53.077	58.438	67.943	50.916	57.157	92.639
15.500	43.883	53.204	58.616	68.054	50.916	57.385	88.251
15.625	43.812	53.396	58.772	68.128	50.942	57.634	84.289
15.750	43.742	53.568	58.970	68.098	51.006	57.946	81.004
15.875	43.671	53.797	59.222	68.102	51.072	58.284	78.145
16.000	43.600	54.059	59.529	68.119	51.160	58.661	76.175
16.125	43.550	54.353	59.849	68.123	51.278	59.136	74.375
16.250	43.500	54.707	60.185	68.134	51.470	59.651	72.574
16.375	43.450	55.102	60.521	67.920	51.673	60.146	71.060
16.500	43.400	55.495	60.936	67.606	51.855	60.754	69.659
16.625	43.350	55.953	61.358	67.160	52.153	61.441	68.483
16.750	43.300	56.481	61.757	66.711	52.451	62.104	67.292
16.875	43.250	57.010	62.145	66.085	52.847	62.863	66.110
17.000	43.200	57.621	62.467	65.400	53.254	63.551	65.092
17.125	43.150	58.246	62.798	64.512	53.793	64.138	63.885
17.250	43.100	58.941	62.953	63.760	54.459	64.509	62.873
17.375	43.050	59.546	62.966	62.660	55.225	64.418	61.835
17.500	43.000	60.056	62.603	61.660	56.286	64.054	60.864
17.625	42.950	60.407	62.044	60.319	57.669	62.859	59.691
17.750	42.900	60.374	61.154	58.969	59.702	61.608	58.454
17.875	42.850	59.984	60.111	57.556	62.861	60.156	57.379
18.000	42.800	59.605	59.099	56.308	66.189	59.032	56.428
18.125	42.750	59.374	58.372	55.304	63.638	58.395	55.867
18.250	42.700	59.927	58.337	54.929	59.424	58.664	55.971
18.375	42.650	61.288	58.904	55.063	57.064	59.599	56.739
18.500	42.600	63.602	59.826	55.445	55.652	60.868	57.492
18.625	42.550	67.319	61.254	56.205	55.026	62.641	58.680
18.750	42.500	73.388	62.919	57.101	54.967	64.737	60.092
18.875	42.450	78.624	64.383	57.823	54.900	65.688	61.508
19.000	42.400	71.540	65.693	58.599	54.930	65.344	62.454
19.125	42.350	66.900	66.629	59.076	54.937	64.485	63.310
19.250	42.300	64.009	67.328	59.478	54.909	63.330	63.817
19.375	42.250	62.016	67.480	59.836	54.844	62.369	64.306
19.500	42.200	60.378	66.873	60.013	54.636	61.169	64.351
19.625	42.150	59.032	66.207	60.368	54.373	60.093	64.283
19.750	42.100	57.988	65.460	60.335	54.100	59.464	64.495
19.875	42.050	57.041	64.679	60.458	53.768	58.698	64.521
20.000	42.000	56.243	63.946	60.606	53.388	58.002	64.273
20.125	41.958	55.511	63.223	60.670	53.018	57.428	64.006
20.250	41.915	54.897	62.613	60.625	52.632	56.861	63.875
20.375	41.873	54.318	62.113	60.783	52.256	56.335	63.571
20.500	41.830	53.745	61.644	60.887	51.906	55.898	63.439

20.625	41.787	53.269	61.269	61.015	51.605	55.417	63.185
20.750	41.745	52.860	61.091	61.167	51.259	55.035	63.010
20.875	41.702	52.457	60.988	61.102	50.915	54.736	63.125
21.000	41.660	52.189	61.048	61.045	50.588	54.429	63.385
21.125	41.618	51.977	61.021	60.924	50.219	54.256	63.392
21.250	41.575	51.786	60.200	60.988	49.941	54.057	63.342
21.375	41.533	51.556	59.410	61.261	49.730	53.881	62.934
21.500	41.490	51.290	58.847	61.493	49.597	53.681	62.633
21.625	41.447	51.100	58.635	61.747	49.447	53.520	62.498
21.750	41.405	50.998	58.390	61.844	49.272	53.420	62.448
21.875	41.362	50.884	58.140	61.975	49.139	53.380	62.450
22.000	41.320	50.827	57.947	62.147	49.071	53.304	62.379
22.125	41.278	50.781	57.907	62.078	48.947	53.362	62.563
22.250	41.235	50.823	57.998	61.992	48.834	53.413	62.764
22.375	41.193	50.907	58.092	61.885	48.729	53.587	63.298
22.500	41.150	51.030	58.292	61.629	48.658	53.794	63.976
22.625	41.107	51.084	58.535	61.441	48.577	53.954	64.776
22.750	41.065	51.033	58.491	61.547	48.605	53.965	65.968
22.875	41.022	50.810	58.137	62.105	48.799	53.706	66.029
23.000	40.980	50.644	57.611	63.067	49.070	53.461	65.364
23.125	40.938	50.607	57.296	64.229	49.357	53.332	64.609
23.250	40.895	50.676	57.135	65.056	49.620	53.352	64.292
23.375	40.853	50.816	57.115	65.928	49.852	53.514	64.139
23.500	40.810	51.048	57.191	66.405	50.070	53.726	64.324
23.625	40.767	51.276	57.290	66.798	50.323	53.975	64.538
23.750	40.725	51.561	57.495	67.158	50.570	54.279	64.797
23.875	40.682	51.843	57.678	67.346	50.833	54.642	65.391
24.000	40.640	52.195	57.924	67.345	51.169	55.014	65.805
24.125	40.597	52.546	58.163	67.574	51.513	55.452	66.207
24.250	40.555	52.902	58.477	67.602	51.869	55.903	67.037
24.375	40.513	53.293	58.784	67.715	52.238	56.450	67.716
24.500	40.470	53.701	59.156	67.714	52.669	57.029	68.678
24.625	40.427	54.102	59.593	67.582	53.091	57.677	69.696
24.750	40.385	54.520	59.999	67.583	53.526	58.560	70.756
24.875	40.342	54.926	60.479	67.377	54.012	59.203	72.351
25.000	40.300	55.330	60.995	67.187	54.475	60.223	74.075
25.125	40.268	55.663	61.519	66.969	54.947	61.314	76.395
25.250	40.236	55.957	62.043	66.982	55.398	62.507	79.168
25.375	40.204	56.150	62.763	66.651	55.762	63.922	82.293
25.500	40.172	56.292	63.374	66.699	56.056	65.761	82.590
25.625	40.140	56.358	64.090	66.420	56.255	67.945	81.233
25.750	40.108	56.303	64.765	66.288	56.314	70.977	77.498
25.875	40.076	56.174	65.554	66.344	56.243	75.352	74.932
26.000	40.044	55.935	66.303	65.995	55.987	80.188	72.919
26.125	40.012	55.630	66.907	65.979	55.682	77.571	71.067
26.250	39.980	55.292	67.435	65.957	55.243	72.820	69.643
26.375	39.948	54.925	67.778	65.878	54.733	69.371	68.418
26.500	39.916	54.504	67.963	65.855	54.158	66.669	67.506
26.625	39.884	54.088	67.688	65.806	53.586	64.783	66.198
26.750	39.852	53.672	67.302	65.784	53.010	63.140	65.423
26.875	39.820	53.242	66.850	65.670	52.404	61.839	64.604
27.000	39.788	52.844	66.168	65.736	51.850	60.757	63.862
27.125	39.756	52.456	65.540	65.825	51.320	59.841	63.224
27.250	39.724	52.083	64.808	65.941	50.775	58.986	62.700

27.375	39.692	51.704	64.184	66.030	50.257	58.088	62.189
27.500	39.660	51.397	63.512	66.175	49.799	57.496	61.538
27.625	39.628	51.082	62.825	66.331	49.352	56.905	61.053
27.750	39.596	50.797	62.250	66.556	48.902	56.366	60.632
27.875	39.564	50.505	61.775	66.819	48.504	55.868	60.246
28.000	39.532	50.233	61.243	66.929	48.138	55.303	59.772
28.125	39.500	49.998	60.788	67.435	47.773	54.940	59.460
28.250	39.468	49.779	60.380	67.839	47.427	54.595	59.079
28.375	39.436	49.612	60.006	68.227	47.113	54.216	58.759
28.500	39.404	49.430	59.646	68.577	46.811	53.897	58.461
28.625	39.372	49.290	59.349	68.958	46.544	53.660	58.156
28.750	39.340	49.163	59.076	69.542	46.264	53.410	57.906
28.875	39.308	49.035	58.808	70.566	45.999	53.178	57.635
29.000	39.276	48.947	58.588	70.659	45.786	53.017	57.435
29.125	39.244	48.889	58.424	71.597	45.569	52.814	57.267
29.250	39.212	48.852	58.250	72.500	45.374	52.700	57.071
29.375	39.180	48.829	58.099	72.797	45.196	52.586	56.846
29.500	39.148	48.809	57.975	74.350	45.043	52.501	56.759
29.625	39.116	48.830	57.918	75.230	44.900	52.464	56.652
29.750	39.084	48.878	57.868	75.943	44.776	52.460	56.530
29.875	39.052	48.949	57.835	76.502	44.678	52.417	56.436
30.000	39.020	49.020	57.776	76.212	44.582	52.476	56.353
30.125	38.988	49.162	57.826	75.684	44.524	52.505	56.287
30.250	38.956	49.294	57.859	74.802	44.477	52.572	56.228
30.375	38.924	49.460	57.944	73.760	44.451	52.661	56.195
30.500	38.892	49.655	58.027	72.791	44.434	52.795	56.168
30.625	38.860	49.888	58.176	71.519	44.466	52.962	56.129
30.750	38.828	50.169	58.282	70.170	44.499	53.142	56.159
30.875	38.796	50.467	58.559	69.585	44.546	53.411	56.147
31.000	38.764	50.790	58.802	68.529	44.634	53.594	56.186
31.125	38.732	51.169	59.041	67.697	44.727	53.908	56.243
31.250	38.700	51.618	59.370	66.986	44.863	54.143	56.315
31.500	38.659	52.618	60.105	65.488	45.175	54.839	56.479
31.750	38.618	53.867	60.992	64.302	45.613	55.654	56.744
32.000	38.578	55.455	62.045	63.392	46.144	56.563	57.040
32.250	38.537	57.485	63.075	62.362	46.822	57.492	57.355
32.500	38.496	60.194	63.918	61.619	47.612	58.400	57.792
32.750	38.455	63.816	64.079	60.961	48.502	59.108	58.308
33.000	38.414	66.909	63.510	60.380	49.573	59.261	58.876
33.250	38.374	64.758	62.229	59.801	50.788	58.806	59.641
33.500	38.333	60.941	60.801	59.379	52.092	58.050	60.397
33.750	38.292	57.904	59.334	59.093	53.397	57.004	61.136
34.000	38.251	55.618	57.955	58.725	54.418	55.894	62.079
34.250	38.210	53.869	56.792	58.489	54.895	54.830	62.944
34.500	38.170	52.473	55.732	58.350	54.507	53.897	63.426
34.750	38.129	51.250	54.747	58.061	53.670	52.987	64.078
35.000	38.088	50.394	53.907	58.044	52.487	52.300	64.455
35.250	38.047	49.640	53.193	58.081	51.275	51.716	64.128
35.500	38.006	49.062	52.574	58.189	50.171	51.225	63.531
35.750	37.966	48.623	52.039	58.526	49.221	50.876	62.746
36.000	37.925	48.297	51.560	58.711	48.394	50.602	61.889
36.250	37.884	48.079	51.136	59.153	47.732	50.391	61.005
36.500	37.843	47.974	50.787	59.508	47.180	50.293	60.148
36.750	37.802	48.005	50.498	59.849	46.742	50.272	59.366

37.000	37.762	48.108	50.268	60.450	46.411	50.324	58.594
37.250	37.721	48.358	50.159	60.938	46.164	50.507	57.915
37.500	37.680	48.705	50.102	61.475	45.969	50.759	57.479
37.750	37.639	49.231	50.128	61.988	45.851	51.109	57.114
38.000	37.598	49.892	50.237	62.368	45.830	51.694	56.797
38.250	37.558	50.737	50.369	62.666	45.882	52.416	56.690
38.500	37.517	51.764	50.543	62.110	46.014	53.116	56.479
38.750	37.476	53.090	50.780	61.651	46.215	54.201	56.475
39.000	37.435	54.805	51.122	60.967	46.453	55.662	56.744
39.250	37.394	56.851	51.461	59.767	46.811	57.329	56.905
39.500	37.354	59.445	51.912	58.786	47.239	59.884	57.138
39.750	37.313	61.679	52.499	57.677	47.715	63.628	57.414
40.000	37.272	61.421	53.159	56.603	48.189	67.625	57.371
40.250	37.231	58.808	53.914	55.715	48.644	69.374	57.646
40.500	37.190	56.125	54.773	54.838	49.084	64.271	58.152
40.750	37.150	53.819	55.704	54.132	49.400	60.711	58.437
41.000	37.109	51.971	56.735	53.477	49.654	57.861	58.970
41.250	37.068	50.381	57.811	52.864	49.752	55.672	59.739
41.500	37.027	49.121	59.004	52.245	49.741	53.904	60.471
41.750	36.986	48.069	59.995	51.820	49.565	52.602	60.984
42.000	36.946	47.190	60.777	51.402	49.300	51.545	61.554
42.250	36.905	46.453	60.971	51.050	48.914	50.562	62.031
42.500	36.864	45.825	60.627	50.832	48.534	49.795	62.556
42.750	36.823	45.297	60.033	50.565	48.121	49.141	62.551
43.000	36.782	44.910	59.089	50.346	47.742	48.613	62.122
43.250	36.742	44.590	58.291	50.225	47.338	48.184	61.822
43.500	36.701	44.380	57.481	50.135	46.963	47.908	61.343
43.750	36.660	44.232	56.772	50.109	46.618	47.680	60.728
44.000	36.619	44.180	56.117	50.211	46.327	47.495	60.510
44.250	36.578	44.204	55.587	50.281	46.096	47.452	59.889
44.500	36.538	44.295	55.179	50.297	45.922	47.519	59.442
44.750	36.497	44.500	54.899	50.568	45.806	47.562	59.255
45.000	36.456	44.770	54.699	50.738	45.776	47.749	58.904
45.250	36.415	45.110	54.567	50.954	45.816	48.053	58.707
45.500	36.374	45.564	54.546	51.289	45.927	48.266	58.647
45.750	36.334	46.079	54.611	51.562	46.155	48.759	58.391
46.000	36.293	46.707	54.788	51.881	46.416	49.359	58.390
46.250	36.252	47.402	55.059	52.303	46.762	49.941	58.336
46.500	36.211	48.165	55.500	52.650	47.187	50.697	58.234
46.750	36.170	49.000	56.047	53.124	47.728	51.622	58.384
47.000	36.130	49.756	56.793	53.528	48.283	52.735	58.490
47.250	36.089	50.435	57.637	53.868	48.906	54.024	58.456
47.500	36.048	50.837	58.745	54.357	49.505	55.590	58.891
47.750	36.007	50.838	60.129	54.634	50.026	57.504	59.253
48.000	35.966	50.448	61.835	54.924	50.297	59.829	59.639
48.250	35.926	49.821	63.809	55.016	50.304	62.290	60.070
48.500	35.885	49.003	65.936	55.139	49.889	63.779	60.712
48.750	35.844	48.118	67.339	55.104	49.164	62.588	61.492
49.000	35.803	47.284	66.784	54.933	48.241	60.093	62.246
49.250	35.762	46.540	64.711	54.800	47.265	58.067	63.243
49.500	35.722	45.885	62.605	54.573	46.286	56.186	64.275
49.750	35.681	45.294	60.703	54.224	45.360	54.632	65.721
50.000	35.640	44.795	59.200	54.038	44.534	53.559	66.929
50.250	35.599	44.420	58.047	53.859	43.792	52.634	67.607

50.500	35.558	44.144	57.144	53.636	43.152	51.888	68.361
50.750	35.518	43.949	56.315	53.599	42.630	51.385	67.766
51.000	35.477	43.841	55.686	53.530	42.226	50.956	66.910
51.250	35.436	43.835	55.214	53.603	41.911	50.826	65.764
51.500	35.395	43.934	54.746	53.721	41.719	50.571	65.234
51.750	35.354	44.090	54.354	53.854	41.647	50.541	63.907
52.000	35.314	44.377	54.203	54.127	41.663	50.744	62.937
52.250	35.273	44.760	54.105	54.543	41.761	50.840	62.356
52.500	35.232	45.249	54.089	54.978	41.986	51.123	61.643
52.750	35.191	45.798	54.100	55.508	42.290	51.621	61.113
53.000	35.150	46.489	54.326	56.105	42.688	52.118	60.497
53.250	35.110	47.318	54.694	57.143	43.164	52.800	60.098
53.500	35.069	48.145	55.105	58.450	43.724	53.632	59.797
53.750	35.028	49.065	55.668	59.589	44.390	54.398	59.448
54.000	34.987	49.883	56.404	61.638	45.112	55.299	59.271
54.250	34.946	50.438	57.308	64.463	45.877	55.860	59.131
54.500	34.906	50.517	58.241	69.586	46.766	56.076	59.108
54.750	34.865	50.126	59.242	80.906	47.728	55.736	59.263
55.000	34.824	49.369	60.215	74.078	48.788	54.930	59.443
55.250	34.783	48.414	61.041	66.339	49.921	53.865	59.577
55.500	34.742	47.393	61.194	62.107	51.071	52.668	60.160
55.750	34.702	46.479	60.830	59.581	51.973	51.666	60.996
56.000	34.661	45.774	60.701	57.781	51.812	50.949	61.673
56.250	34.620	45.177	61.081	56.615	50.647	50.417	61.877
56.500	34.579	44.650	61.513	55.455	49.114	49.873	62.167
56.750	34.538	44.131	61.669	54.325	47.658	49.425	61.946
57.000	34.498	43.717	61.875	53.507	46.264	49.073	62.318
57.250	34.457	43.387	62.313	53.032	45.009	49.096	63.300
57.500	34.416	43.103	63.091	52.837	43.958	49.133	63.552
57.750	34.375	42.788	62.698	52.652	43.154	49.110	61.857
58.000	34.334	42.453	60.653	52.251	42.568	48.791	59.334
58.250	34.294	42.153	58.630	51.568	42.066	48.293	57.280
58.500	34.253	41.969	57.135	50.744	41.539	47.883	55.931
58.750	34.212	41.891	56.200	50.087	41.014	47.584	55.003
59.000	34.171	41.974	55.736	49.524	40.460	47.567	54.367
59.250	34.130	42.176	55.475	49.160	39.971	47.633	53.861
59.500	34.090	42.512	55.366	48.914	39.519	47.891	53.477
59.750	34.049	42.990	55.289	48.593	39.121	48.260	52.978
60.000	34.008	43.727	55.314	48.278	38.752	48.592	52.434
60.250	33.967	44.740	55.257	48.032	38.385	49.101	52.119
60.500	33.926	46.278	55.124	47.800	38.017	49.702	51.776
60.750	33.886	48.750	54.752	47.751	37.664	50.419	51.858
61.000	33.845	53.315	53.944	47.878	37.366	50.704	52.037
61.250	33.804	64.191	52.691	48.275	37.245	50.537	52.364
61.500	33.763	59.729	51.514	48.997	37.390	49.936	53.101
61.750	33.722	52.753	50.823	50.163	37.843	49.434	54.447
62.000	33.682	49.312	49.645	50.229	38.235	48.256	53.968
62.250	33.641	46.239	48.185	49.847	38.825	46.772	52.801
62.500	33.600	44.483	47.465	50.130	39.872	46.085	52.434
62.750	33.577	43.425	47.131	50.429	41.225	45.875	52.069
63.000	33.553	42.751	46.981	50.646	42.842	45.785	51.917
63.250	33.530	42.262	46.937	50.948	44.760	45.820	51.752
63.500	33.507	41.869	46.886	51.142	47.059	45.961	51.591
63.750	33.483	41.535	46.829	51.302	49.831	46.026	51.731

64.000	33.460	41.239	46.761	51.563	53.026	46.123	51.716
64.250	33.437	40.940	46.624	51.694	55.336	46.173	51.762
64.500	33.413	40.665	46.448	51.603	54.713	46.099	51.824
64.750	33.390	40.476	46.317	51.651	51.895	46.176	51.636
65.000	33.367	40.391	46.293	51.827	49.156	46.490	51.641
65.250	33.343	40.357	46.287	52.107	47.108	46.745	51.956
65.500	33.320	40.369	46.282	52.536	45.534	47.021	52.205
65.750	33.297	40.437	46.323	52.916	44.339	47.502	52.510
66.000	33.273	40.540	46.350	53.444	43.389	47.878	52.970
66.250	33.250	40.698	46.410	53.992	42.633	48.375	53.353
66.500	33.227	40.935	46.521	54.451	42.028	49.059	53.667
66.750	33.203	41.238	46.697	55.282	41.527	49.867	54.119
67.000	33.180	41.605	46.935	56.278	41.161	50.902	54.605
67.250	33.157	42.040	47.194	57.384	40.924	52.068	55.148
67.500	33.133	42.557	47.551	58.726	40.754	53.519	55.597
67.750	33.110	43.164	47.947	60.175	40.682	55.574	55.924
68.000	33.087	43.871	48.422	62.622	40.695	58.281	56.583
68.250	33.063	44.603	48.949	66.137	40.785	62.139	57.068
68.500	33.040	45.390	49.439	71.842	40.957	67.400	57.601
68.750	33.017	46.305	49.980	79.681	41.197	68.275	57.646
69.000	32.993	47.392	50.606	77.701	41.399	62.471	57.700
69.250	32.970	48.494	51.488	68.494	41.592	58.053	57.669
69.500	32.947	49.495	52.813	64.502	41.760	55.295	57.376
69.750	32.923	49.919	54.562	61.199	41.947	52.989	57.407
70.000	32.900	49.540	56.906	58.928	42.148	51.201	57.347
70.250	32.877	48.617	59.905	56.991	42.345	49.771	57.556
70.500	32.853	47.420	63.510	55.268	42.542	48.459	57.433
70.750	32.830	46.160	64.687	53.980	42.737	47.383	57.612
71.000	32.807	45.004	61.506	52.842	42.902	46.542	58.055
71.250	32.783	43.983	58.208	51.730	43.045	45.685	57.932
71.500	32.760	43.046	55.587	50.950	43.149	44.969	58.011
71.750	32.737	42.215	53.501	50.139	43.233	44.387	58.231
72.000	32.713	41.512	51.877	49.255	43.329	43.786	58.204
72.250	32.690	40.918	50.568	48.637	43.398	43.343	58.281
72.500	32.667	40.423	49.473	48.177	43.423	43.076	58.833
72.750	32.643	40.027	48.599	47.635	43.405	42.793	58.657
73.000	32.620	39.721	47.800	47.339	43.398	42.658	58.589
73.250	32.597	39.473	47.149	47.064	43.318	42.605	58.683
73.500	32.573	39.274	46.564	46.677	43.267	42.504	58.106
73.750	32.550	39.167	46.076	46.389	43.210	42.506	57.925
74.000	32.527	39.132	45.614	46.125	43.174	42.531	57.262
74.250	32.503	39.152	45.238	45.851	43.165	42.619	56.795
74.500	32.480	39.288	44.892	45.638	43.207	42.735	56.273
74.750	32.457	39.502	44.607	45.401	43.237	43.012	55.815
75.000	32.433	39.866	44.439	45.291	43.262	43.386	55.592
75.250	32.410	40.379	44.383	45.369	43.281	43.878	55.469
75.500	32.387	41.024	44.429	45.531	43.315	44.530	55.590
75.750	32.363	41.795	44.583	45.758	43.424	45.262	55.773
76.000	32.340	42.638	44.789	46.109	43.636	46.116	56.098
76.250	32.317	43.573	45.031	46.423	43.948	47.148	56.325
76.500	32.293	44.629	45.313	46.859	44.318	48.426	56.734
76.750	32.270	45.718	45.732	47.374	44.780	49.885	57.390
77.000	32.247	46.654	46.208	47.919	45.298	51.563	57.905
77.250	32.223	47.280	46.766	48.586	45.801	53.808	58.482

77.500	32.200	47.439	47.370	49.253	46.164	56.247	59.164
77.750	32.177	47.102	48.101	49.994	46.203	58.577	59.884
78.000	32.153	46.426	48.807	50.728	45.835	58.972	60.445
78.250	32.130	45.603	49.605	51.546	45.062	57.242	60.545
78.500	32.107	44.769	50.506	52.476	44.027	55.267	60.540
78.750	32.083	44.032	51.669	53.569	42.814	53.186	60.359
79.000	32.060	43.232	53.297	54.899	41.722	51.395	60.696
79.250	32.037	42.455	55.410	57.209	40.750	49.832	61.222
79.500	32.013	41.757	57.884	60.111	39.922	48.705	62.605
79.750	31.990	41.209	59.910	64.640	39.213	47.850	63.255
80.000	31.967	40.803	60.214	72.680	38.530	47.171	64.680
80.250	31.943	40.598	59.124	70.611	37.938	46.793	65.506
80.500	31.920	40.523	57.853	67.610	37.404	46.638	64.460
80.750	31.897	40.505	56.633	64.407	36.969	46.366	65.141
81.000	31.873	40.438	55.024	61.326	36.663	46.055	64.782
81.250	31.850	40.306	53.209	58.329	36.526	45.550	64.932
81.500	31.827	40.152	51.509	55.599	36.530	45.125	65.573
81.750	31.803	40.053	50.104	53.734	36.620	44.825	65.598
82.000	31.780	40.048	49.005	52.253	36.793	44.696	64.670
82.250	31.757	40.101	48.118	51.084	37.046	44.693	63.462
82.500	31.733	40.269	47.461	50.170	37.338	44.845	61.889
82.750	31.710	40.546	47.026	49.550	37.655	45.110	60.836
83.000	31.687	40.918	46.713	49.089	38.000	45.635	59.847
83.250	31.663	41.343	46.501	48.764	38.371	46.220	59.464
83.500	31.640	41.872	46.411	48.629	38.727	46.967	59.153
83.750	31.617	42.441	46.406	48.689	39.081	48.061	59.072
84.000	31.593	42.979	46.443	48.766	39.443	49.351	59.207
84.250	31.570	43.446	46.468	48.948	39.802	50.853	59.893
84.500	31.547	43.758	46.437	49.200	40.170	52.724	60.518
84.750	31.523	43.840	46.293	49.330	40.562	54.547	62.331
85.000	31.500	43.682	46.113	49.262	40.999	55.627	63.934
85.250	31.477	43.323	45.793	49.143	41.489	55.295	67.868
85.500	31.453	42.761	45.329	48.702	42.014	53.691	76.936
85.750	31.430	42.081	44.685	48.088	42.754	51.536	74.964
86.000	31.407	41.459	44.020	47.123	43.520	49.862	64.808
86.250	31.383	40.780	43.294	46.059	44.423	48.172	59.622
86.500	31.360	40.183	42.423	44.923	45.367	47.111	56.313
86.750	31.337	39.826	41.576	43.704	45.824	46.371	53.510
87.000	31.313	39.708	40.932	42.670	45.201	45.962	51.373
87.250	31.290	39.766	40.400	41.812	43.720	45.964	49.548
87.500	31.267	40.084	39.962	41.096	41.835	46.360	48.062
87.750	31.243	40.802	39.682	40.547	39.942	47.186	46.787
88.000	31.220	41.975	39.580	40.273	38.252	48.844	45.781
88.250	31.197	43.873	39.765	40.275	36.862	51.322	45.072
88.500	31.173	46.482	40.302	40.562	35.818	54.511	44.632
88.750	31.150	49.453	41.110	41.165	35.083	56.123	44.441
89.000	31.127	50.932	42.152	41.948	34.636	54.075	44.520
89.250	31.103	49.967	43.347	42.910	34.342	51.134	44.558
89.500	31.080	47.876	44.750	43.939	34.175	48.854	44.639
89.750	31.057	45.983	46.415	45.040	34.164	47.200	44.746
90.000	31.033	44.529	48.306	46.364	34.259	45.927	44.884
90.250	31.010	43.420	50.596	47.602	34.466	45.047	45.049
90.500	30.987	42.537	53.280	48.766	34.762	44.299	45.139
90.750	30.963	41.896	56.428	49.648	35.190	43.824	45.271

91.000	30.940	41.386	59.150	49.975	35.705	43.357	45.292
91.250	30.917	40.997	59.608	50.075	36.378	43.215	45.469
91.500	30.893	40.674	57.869	49.845	37.159	43.062	45.593
91.750	30.870	40.395	55.816	49.393	38.086	43.008	45.656
92.000	30.847	40.145	54.069	48.742	39.206	42.958	45.708
92.250	30.823	39.904	52.716	48.126	40.566	42.923	45.810
92.500	30.800	39.671	51.610	47.566	42.236	42.967	45.760
92.750	30.777	39.443	50.724	47.161	44.318	43.069	45.921
93.000	30.753	39.245	49.963	46.800	47.065	43.092	46.036
93.250	30.730	39.018	49.327	46.473	50.692	43.251	46.033
93.500	30.707	38.802	48.707	46.325	54.689	43.369	46.214
93.750	30.683	38.582	48.123	46.104	54.048	43.454	46.294
94.000	30.660	38.390	47.544	45.976	50.149	43.716	46.368
94.250	30.637	38.230	46.879	45.842	46.926	43.853	46.455
94.500	30.613	38.134	46.265	45.819	44.549	44.158	46.671
94.750	30.590	38.111	45.740	45.918	42.729	44.488	46.886
95.000	30.567	38.166	45.232	46.016	41.275	44.965	47.140
95.250	30.543	38.295	44.815	46.157	40.112	45.424	47.388
95.500	30.520	38.535	44.496	46.427	39.174	46.066	47.743
95.750	30.497	38.845	44.269	46.790	38.404	46.669	48.074
96.000	30.473	39.224	44.167	47.158	37.819	47.290	48.614
96.250	30.450	39.655	44.070	47.517	37.354	48.085	48.911
96.500	30.427	40.271	44.006	48.074	36.982	49.300	49.266
96.750	30.403	41.008	44.048	48.741	36.674	50.787	49.664
97.000	30.380	41.885	44.206	49.616	36.467	52.495	50.156
97.250	30.357	42.879	44.446	50.629	36.343	54.709	50.510
97.500	30.333	44.016	44.786	51.805	36.291	56.416	51.107
97.750	30.310	45.260	45.199	53.384	36.325	57.621	51.778
98.000	30.287	46.509	45.742	55.585	36.459	56.518	52.325
98.250	30.263	47.616	46.387	58.351	36.669	54.634	52.796
98.500	30.240	48.249	47.169	61.665	36.944	52.477	53.145
98.750	30.217	48.173	48.076	63.562	37.334	50.565	53.466
99.000	30.193	47.395	49.267	60.598	37.810	48.821	53.325
99.250	30.170	46.255	50.694	57.281	38.417	47.564	53.301
99.500	30.147	44.995	52.583	54.636	39.128	46.239	52.974
99.750	30.123	43.822	54.996	52.361	39.979	45.142	52.367
100.000	30.100	42.773	58.399	50.760	40.957	44.290	51.913
100.500	30.036	41.005	67.415	48.200	43.398	42.715	50.636
101.000	29.973	39.617	56.951	46.391	46.148	41.617	49.531
101.500	29.909	38.569	51.894	44.974	47.403	40.787	48.571
102.000	29.845	37.871	48.960	44.087	45.350	40.256	47.955
102.500	29.781	37.431	46.917	43.560	42.604	40.040	47.579
103.000	29.718	37.249	45.536	43.300	40.416	40.027	47.477
103.500	29.654	37.312	44.475	43.273	38.871	40.260	47.440
104.000	29.590	37.640	43.666	43.608	37.873	40.729	47.810
104.500	29.526	38.237	43.031	44.165	37.341	41.363	48.345
105.000	29.463	39.084	42.483	44.807	37.256	42.147	48.784
105.500	29.399	40.176	41.868	45.021	37.737	42.809	48.725
106.000	29.335	41.593	41.125	44.341	38.732	43.301	47.718
106.500	29.271	43.858	40.385	43.203	39.951	43.875	46.269
107.000	29.208	48.005	39.809	42.092	40.692	44.291	44.842
107.500	29.144	55.484	39.753	41.892	40.180	44.592	44.119
108.000	29.080	47.639	40.289	42.794	39.344	44.365	44.292
108.500	29.016	42.226	41.282	44.564	38.790	43.161	44.799

109.000	28.953	39.074	42.401	47.248	38.395	41.590	45.398
109.500	28.889	37.122	43.582	51.256	38.294	40.414	46.188
110.000	28.825	35.989	44.350	52.531	38.306	39.554	46.525
110.500	28.761	35.392	44.392	49.389	38.329	39.005	46.590
111.000	28.698	35.206	43.767	46.318	38.400	38.723	46.371
111.500	28.634	35.352	42.932	43.950	38.640	38.659	45.738
112.000	28.570	35.850	42.160	42.442	39.052	38.850	45.343
112.500	28.506	36.678	41.610	41.417	39.684	39.267	45.102
113.000	28.443	37.796	41.247	40.822	40.656	39.979	44.963
113.500	28.379	39.228	41.038	40.485	41.961	40.929	44.938
114.000	28.315	40.957	41.006	40.404	43.598	42.069	45.113
114.500	28.251	43.039	41.069	40.545	44.944	43.491	45.334
115.000	28.188	45.621	41.428	40.806	44.417	45.055	45.618
115.500	28.124	47.759	42.123	41.312	42.386	46.497	46.179
116.000	28.060	46.919	43.179	42.204	40.188	47.258	47.089
116.500	27.996	44.525	44.644	43.256	38.281	47.002	48.200
117.000	27.933	42.326	46.632	44.564	36.723	46.021	49.524
117.500	27.869	40.594	49.523	46.160	35.511	45.024	51.091
118.000	27.805	39.381	53.979	48.041	34.619	44.160	52.627
118.500	27.741	38.513	63.226	50.295	34.025	43.389	54.111
119.000	27.678	37.916	62.915	52.904	33.742	42.683	55.550
119.500	27.614	37.532	54.249	55.719	33.799	42.065	56.010
120.000	27.550	37.354	50.088	55.915	34.227	41.511	56.071
120.500	27.486	37.419	47.543	52.840	35.071	41.107	55.374
121.000	27.423	37.711	45.950	49.949	36.465	40.908	54.496
121.500	27.359	38.072	45.008	47.838	38.576	41.017	54.069
122.000	27.295	38.422	44.557	46.338	41.951	41.231	53.626
122.500	27.231	38.540	44.476	45.271	48.108	41.702	53.334
123.000	27.168	38.387	44.562	44.649	57.673	42.340	53.513
123.500	27.104	38.084	44.696	44.294	45.988	43.255	53.463
124.000	27.040	37.863	44.723	44.102	40.689	44.588	53.234
124.500	26.976	37.900	44.610	43.923	37.486	46.528	52.652
125.000	26.913	38.337	44.573	44.022	35.326	49.189	52.255
125.500	26.849	39.279	44.696	44.242	33.775	53.155	51.994
126.000	26.785	40.802	45.151	44.487	32.714	58.029	51.909
126.500	26.721	42.966	45.886	44.888	32.087	55.528	51.957
127.000	26.658	45.790	46.805	45.481	31.823	50.638	52.422
127.500	26.594	47.832	47.726	46.182	31.877	47.028	53.292
128.000	26.530	46.023	48.661	47.097	32.281	44.396	54.508
128.500	26.466	42.711	49.662	48.468	33.029	42.275	56.807
129.000	26.403	39.970	51.027	50.458	34.230	40.474	58.162
129.500	26.339	37.891	53.218	53.340	36.009	39.031	56.677
130.000	26.275	36.346	57.512	57.788	38.748	37.890	52.902
130.500	26.211	35.215	64.967	57.973	43.435	37.079	49.491
131.000	26.148	34.460	58.402	52.811	55.552	36.579	47.075
131.500	26.084	33.963	52.068	48.958	48.561	36.375	45.165
132.000	26.020	33.716	48.163	46.149	41.189	36.489	43.627
132.500	25.956	33.713	45.407	44.154	37.477	36.919	42.614
133.000	25.892	33.915	43.382	42.771	35.171	37.679	41.821
133.500	25.829	34.429	41.885	41.792	33.626	38.848	41.264
134.000	25.765	35.293	40.868	41.110	32.577	40.473	40.957
134.500	25.701	36.675	40.286	40.801	31.912	42.622	40.825
135.000	25.638	38.781	39.997	40.727	31.557	45.163	40.833
135.500	25.574	42.117	40.022	40.826	31.472	46.633	40.958

136.000	25.510	48.223	40.274	40.927	31.591	45.428	41.146
136.500	25.446	53.082	40.890	41.083	31.930	42.906	41.602
137.000	25.382	44.762	41.847	41.308	32.447	40.562	42.293
137.500	25.319	39.847	43.245	41.569	33.162	38.626	43.362
138.000	25.255	36.872	45.311	41.892	34.036	37.190	44.943
138.500	25.191	34.918	48.331	42.103	35.103	36.076	46.919
139.000	25.128	33.613	52.666	42.059	36.232	35.289	48.852
139.500	25.064	32.753	54.526	41.778	37.248	34.833	49.202
140.000	25.000	32.305	49.791	41.217	37.924	34.623	47.267