

HCC	H3PO42-	HC03-	H+	Li	Li 7	OH	H3O	Mg	MG 25	
410.231	47.98586			1	6	7	17	19	12	12.5
423.321	49.51703	62.965018	1.031909	6.191453	7.22336	17.542	19.60627	12.383	12.8989	
427.062	49.95463	63.521456	1.041028	6.246169	7.2872	17.697	19.77953	12.492	13.0129	
470.181	54.99838	69.935002	1.146137	6.876823	8.02296	19.484	21.77661	13.754	14.3267	
560.32	65.54219	83.34233	1.365865	8.195188	9.56105	23.22	25.95143	16.39	17.0733	
642.932	75.20554	95.630088	1.567244	9.403463	10.9707	26.643	29.77763	18.807	19.5906	
655.435	76.66805	97.489792	1.597722	9.586331	11.1841	27.161	30.35672	19.173	19.9715	
657.394	76.8972	97.781175	1.602497	9.614983	11.2175	27.242	30.44745	19.23	20.0312	
668.209	78.16226	99.389804	1.62886	9.773162	11.402	27.691	30.94835	19.546	20.3608	
677.972	79.30427	100.84196	1.652659	9.915955	11.5686	28.095	31.40052	19.832	20.6582	
728.232	85.18332	108.31766	1.775176	10.65105	12.4262	30.178	33.72834	21.302	22.1897	
806.021	94.28252	119.88804	1.964798	11.78879	13.7536	33.402	37.33116	23.578	24.56	
811.924	94.97301	120.76606	1.979187	11.87512	13.8543	33.646	37.60456	23.75	24.7398	
842.311	98.52746	125.28584	2.05326	12.31956	14.3728	34.905	39.01195	24.639	25.6658	
843.22	98.63379	125.42104	2.055476	12.33286	14.3883	34.943	39.05405	24.666	25.6935	
891.901	104.3281	132.66189	2.174143	13.04486	15.219	36.96	41.30873	26.09	27.1768	
1250.504	146.2749	186.00071	3.048292	18.28975	21.338	51.821	57.91756	36.58	38.1037	
1755.402	205.3342	261.09954	4.279058	25.67435	29.9534	72.744	81.30209	51.349	53.4882	
1873.477	219.1458	278.66208	4.566883	27.4013	31.9682	77.637	86.77078	54.803	57.086	
1924.702	225.1377	286.28132	4.691752	28.15051	32.8423	79.76	89.14329	56.301	58.6469	
1975.196	231.0442	293.79183	4.814839	28.88903	33.7039	81.852	91.48194	57.778	60.1855	
2017.962	236.0466	300.15287	4.919087	29.51452	34.4336	83.624	93.46266	59.029	61.4886	
2053.396	240.1914	305.42334	5.005463	30.03278	35.0382	85.093	95.1038	60.066	62.5683	
2083.419	243.7033	309.88898	5.078649	30.47189	35.5505	86.337	96.49432	60.944	63.4831	
2190.731	256.2559	325.85063	5.340238	32.04143	37.3817	90.784	101.4645	64.083	66.753	
2221.323	259.8343	330.40091	5.41481	32.48886	37.9037	92.052	102.8814	64.978	67.6851	
2324.393	271.8907	345.7316	5.666059	33.99636	39.6624	96.323	107.6551	67.993	70.8257	
2353.478	275.2929	350.05772	5.736958	34.42175	40.1587	97.528	109.0022	68.844	71.712	
2362.309	276.3258	351.37125	5.758485	34.55091	40.3094	97.894	109.4112	69.102	71.9811	
2419.309	282.9933	359.84946	5.897431	35.38459	41.282	100.26	112.0512	70.769	73.7179	
2425.222	283.685	360.72896	5.911845	35.47107	41.3829	100.5	112.3251	70.942	73.8981	
2430.219	284.2695	361.47222	5.924026	35.54416	41.4682	100.71	112.5565	71.088	74.0503	
2431.094	284.3718	361.60237	5.926159	35.55695	41.4831	100.74	112.597	71.114	74.077	
2471.328	289.0781	367.5868	6.024235	36.14541	42.1696	102.41	114.4605	72.291	75.303	
2478.331	289.8973	368.62843	6.041306	36.24784	42.2891	102.7	114.7848	72.496	75.5163	
2480.191	290.1148	368.90509	6.04584	36.27504	42.3209	102.78	114.871	72.55	75.573	
2522.328	295.0437	375.17257	6.148556	36.89133	43.0399	104.53	116.8226	73.783	76.857	
2743.995	320.9727	408.14345	6.688902	40.13341	46.8223	113.71	127.0891	80.267	83.6113	
2744.211	320.998	408.17558	6.689429	40.13657	46.826	113.72	127.0992	80.273	83.6179	
2831.951	331.2612	421.22608	6.903308	41.41985	48.3232	117.36	131.1629	82.84	86.2914	
2843.283	332.5867	422.91161	6.930932	41.58559	48.5165	117.83	131.6877	83.171	86.6367	
2859.891	334.5294	425.38189	6.971416	41.8285	48.7999	118.51	132.4569	83.657	87.1427	
2873.542	336.1262	427.41235	7.004693	42.02816	49.0328	119.08	133.0892	84.056	87.5587	
2886.232	337.6106	429.29987	7.035627	42.21376	49.2494	119.61	133.6769	84.428	87.9453	
3042.012	355.8326	452.47068	7.415364	44.49218	51.9075	126.06	140.8919	88.984	92.6921	
3078.983	360.1572	457.96976	7.505486	45.03292	52.5384	127.59	142.6042	90.066	93.8186	

3086.443	361.0298	459.07937	7.523671	45.14203	52.6657	127.9	142.9498	90.284	94.0459
3127.232	365.801	465.14635	7.623101	45.7386	53.3617	129.59	144.8389	91.477	95.2888
3160.942	369.7442	470.16039	7.705274	46.23164	53.9369	130.99	146.4002	92.463	96.3159
3161.331	369.7897	470.21825	7.706222	46.23733	53.9436	131.01	146.4182	92.475	96.3278
3206.315	375.0516	476.9092	7.815877	46.89526	54.7111	132.87	148.5017	93.791	97.6985
3255.219	380.772	484.18321	7.935088	47.61053	55.5456	134.9	150.7667	95.221	99.1886
3267.433	382.2007	485.99993	7.964862	47.78917	55.754	135.4	151.3324	95.578	99.5608
3269.321	382.4216	486.28075	7.969464	47.81678	55.7862	135.48	151.4198	95.634	99.6183
3281.432	383.8382	488.08215	7.998986	47.99392	55.9929	135.98	151.9807	95.988	99.9873
3457.291	404.4089	514.23952	8.427669	50.56602	58.9937	143.27	160.1257	101.13	105.346
3505.229	410.0164	521.36985	8.544525	51.26715	59.8117	145.26	162.346	102.53	106.807
3516.296	411.3109	523.01596	8.571503	51.42902	60.0005	145.72	162.8586	102.86	107.144
3530.188	412.9359	525.08226	8.605367	51.6322	60.2376	146.29	163.502	103.26	107.567
3531.296	413.0655	525.24707	8.608068	51.64841	60.2565	146.34	163.5533	103.3	107.601
3546.323	414.8233	527.48219	8.644698	51.86819	60.5129	146.96	164.2493	103.74	108.059
3572.106	417.8392	531.31717	8.707548	52.24529	60.9528	148.03	165.4434	104.49	108.844
3576.189	418.3168	531.92448	8.717501	52.30501	61.0225	148.2	165.6325	104.61	108.969
3669.513	429.2331	545.80555	8.944992	53.66995	62.6149	152.06	169.9549	107.34	111.812
3923.221	458.9101	583.54223	9.563444	57.38066	66.9441	162.58	181.7054	114.76	119.543
3927.331	459.3908	584.15355	9.573463	57.44078	67.0142	162.75	181.8958	114.88	119.668
4013.932	469.5208	597.03463	9.784566	58.70739	68.492	166.34	185.9067	117.41	122.307
4071.121	476.2103	605.54096	9.923973	59.54384	69.4678	168.71	188.5555	119.09	124.05
4079.951	477.2432	606.85434	9.945497	59.67298	69.6185	169.07	188.9644	119.35	124.319
4123.953	482.3902	613.39922	10.05276	60.31655	70.3693	170.9	191.0024	120.63	125.659
4161.889	486.8277	619.04185	10.14523	60.8714	71.0166	172.47	192.7594	121.74	126.815
4222.821	493.9551	628.10491	10.29376	61.76259	72.0563	174.99	195.5815	123.53	128.672
4238.402	495.7777	630.42244	10.33175	61.99047	72.3222	175.64	196.3032	123.98	129.147
4256.321	497.8737	633.08772	10.37543	62.25255	72.628	176.38	197.1331	124.51	129.693
4289.296	501.7309	637.99244	10.45581	62.73484	73.1906	177.75	198.6603	125.47	130.698
4312.947	504.4974	641.5103	10.51346	63.08076	73.5942	178.73	199.7557	126.16	131.418
4375.962	511.8684	650.88319	10.66707	64.00241	74.6695	181.34	202.6743	128	133.338
4426.387	517.7668	658.38344	10.78999	64.73992	75.5299	183.43	205.0098	129.48	134.875
4435.219	518.7999	659.69711	10.81152	64.8691	75.6806	183.8	205.4188	129.74	135.144
4471.188	523.0073	665.04716	10.8992	65.39518	76.2944	185.29	207.0847	130.79	136.24
4483.889	524.493	666.93632	10.93016	65.58094	76.5111	185.81	207.673	131.16	136.627
4486.384	524.7848	667.30743	10.93624	65.61743	76.5537	185.92	207.7885	131.23	136.703
4556.322	532.9656	677.71005	11.10672	66.64034	77.7471	188.81	211.0277	133.28	138.834
4629.941	541.5771	688.66018	11.28618	67.71708	79.0033	191.87	214.4374	135.43	141.077
4732.211	553.5399	703.87188	11.53548	69.21288	80.7484	196.1	219.1741	138.43	144.194
4876.218	570.3848	725.29157	11.88652	71.31911	83.2056	202.07	225.8438	142.64	148.581
5086.281	594.9564	756.53646	12.39858	74.39147	86.79	210.78	235.573	148.78	154.982
5124.084	599.3783	762.1593	12.49073	74.94437	87.4351	212.34	237.3239	149.89	156.134
5133.121	600.4354	763.50347	12.51276	75.07655	87.5893	212.72	237.7424	150.15	156.409
5247.142	613.7728	780.46302	12.7907	76.74421	89.5349	217.44	243.0233	153.49	159.884
5270.834	616.5441	783.98699	12.84845	77.09073	89.9392	218.42	244.1206	154.18	160.606
5340.497	624.6928	794.3487	13.01827	78.10961	91.1279	221.31	247.3471	156.22	162.728
5520.218	645.7152	821.08051	13.45637	80.73819	94.1946	228.76	255.6709	161.48	168.205

5570.234	651.5657	828.51992	13.57829	81.46972	95.048	230.83	257.9875	162.94	169.729
5882.292	688.068	874.93561	14.33898	86.03385	100.373	243.76	272.4405	172.07	179.237
5926.512	693.2406	881.51292	14.44677	86.68061	101.127	245.6	274.4886	173.36	180.585
6037.311	706.201	897.99323	14.71686	88.30115	103.018	250.19	279.6203	176.6	183.961
6180.334	722.9308	919.26656	15.0655	90.39299	105.458	256.11	286.2445	180.79	188.319
6329.195	740.3435	941.40823	15.42837	92.57022	107.999	262.28	293.139	185.14	192.855
6350.333	742.8161	944.55231	15.4799	92.87938	108.359	263.16	294.118	185.76	193.499
6361.321	744.1014	946.18667	15.50668	93.04009	108.547	263.61	294.6269	186.08	193.834
6364.928	744.5233	946.72318	15.51547	93.09284	108.608	263.76	294.794	186.19	193.943
6383.321	746.6748	949.45897	15.56031	93.36186	108.922	264.53	295.6459	186.72	194.504
6461.175	755.7816	961.03902	15.75009	94.50054	110.251	267.75	299.2517	189	196.876
6733.331	787.6164	1001.5197	16.41351	98.48107	114.895	279.03	311.8567	196.96	205.169
6758.232	790.5292	1005.2235	16.47421	98.84527	115.319	280.06	313.01	197.69	205.928
6779.482	793.0148	1008.3842	16.52601	99.15607	115.682	280.94	313.9942	198.31	206.575
6856.222	801.9913	1019.7985	16.71308	100.2785	116.992	284.12	317.5485	200.56	208.913
6877.183	804.4432	1022.9163	16.76417	100.585	117.349	284.99	318.5193	201.17	209.552
6915.886	808.9704	1028.673	16.85852	101.1511	118.01	286.59	320.3118	202.3	210.731
6980.525	816.5314	1038.2874	17.01608	102.0965	119.113	289.27	323.3056	204.19	212.701
7019.235	821.0594	1044.0452	17.11045	102.6627	119.773	290.88	325.0985	205.33	213.881
7043.209	823.8637	1047.6111	17.16889	103.0133	120.182	291.87	326.2088	206.03	214.611
7130.323	834.0537	1060.5685	17.38124	104.2874	121.669	295.48	330.2436	208.57	217.266
7144.142	835.6701	1062.6239	17.41493	104.4896	121.904	296.05	330.8836	208.98	217.687
7210.223	843.3998	1072.4529	17.57601	105.456	123.032	298.79	333.9442	210.91	219.7
7291.21	852.8731	1084.4989	17.77343	106.6406	124.414	302.15	337.6951	213.28	222.168
7482.245	875.219	1112.9136	18.2391	109.4346	127.674	310.06	346.543	218.87	227.989
7510.92	878.5732	1117.1787	18.309	109.854	128.163	311.25	347.871	219.71	228.863
7529.233	880.7153	1119.9026	18.35364	110.1219	128.476	312.01	348.7192	220.24	229.421
7549.212	883.0523	1122.8743	18.40234	110.4141	128.816	312.84	349.6446	220.83	230.029
7650.028	894.845	1137.8697	18.6481	111.8886	130.537	317.02	354.3139	223.78	233.101
7680.518	898.4115	1142.4048	18.72242	112.3345	131.057	318.28	355.726	224.67	234.03
7692.522	899.8157	1144.1903	18.75168	112.5101	131.262	318.78	356.282	225.02	234.396
7829.231	915.8069	1164.5245	19.08493	114.5096	133.595	324.44	362.6137	229.02	238.562
7862.209	919.6644	1169.4296	19.16532	114.9919	134.157	325.81	364.1411	229.98	239.567
7932.482	927.8845	1179.8821	19.33662	116.0197	135.356	328.72	367.3958	232.04	241.708
7935.423	928.2285	1180.3195	19.34379	116.0628	135.407	328.84	367.5321	232.13	241.797
7947.392	929.6285	1182.0998	19.37297	116.2378	135.611	329.34	368.0864	232.48	242.162
7979.308	933.3618	1186.847	19.45077	116.7046	136.155	330.66	369.5646	233.41	243.135
8028.339	939.0971	1194.1399	19.57029	117.4217	136.992	332.69	371.8355	234.84	244.629
8055.942	942.3259	1198.2456	19.63758	117.8255	137.463	333.84	373.1139	235.65	245.47
8072.134	944.2199	1200.654	19.67705	118.0623	137.739	334.51	373.8639	236.12	245.963
8141.174	952.2957	1210.9231	19.84534	119.0721	138.917	337.37	377.0615	238.14	248.067
8336.383	975.1299	1239.9586	20.32119	121.9272	142.248	345.46	386.1027	243.85	254.015
8394.793	981.9623	1248.6465	20.46358	122.7815	143.245	347.88	388.808	245.56	255.795
8432.181	986.3356	1254.2076	20.55472	123.3283	143.883	349.43	390.5396	246.66	256.934
8452.119	988.6678	1257.1732	20.60332	123.6199	144.223	350.26	391.463	247.24	257.541
8460.944	989.7001	1258.4858	20.62483	123.749	144.374	350.62	391.8718	247.5	257.81
8475.221	991.3701	1260.6094	20.65963	123.9578	144.617	351.21	392.533	247.92	258.245

8492.193	993.3554	1263.1338	20.701	124.206	144.907	351.92	393.3191	248.41	258.763
8542.311	999.2178	1270.5884	20.82317	124.939	145.762	353.99	395.6403	249.88	260.29
8818.104	1031.478	1311.61	21.49546	128.9728	150.468	365.42	408.4138	257.95	268.693
8852.329	1035.482	1316.7007	21.57889	129.4733	151.052	366.84	409.9989	258.95	269.736
8853.444	1035.612	1316.8665	21.58161	129.4896	151.071	366.89	410.0505	258.98	269.77
8858.179	1036.166	1317.5708	21.59315	129.5589	151.152	367.08	410.2698	259.12	269.914
8939.212	1045.644	1329.6237	21.79068	130.7441	152.535	370.44	414.0229	261.49	272.384
9332.397	1091.636	1388.1063	22.74913	136.4948	159.244	386.74	432.2334	272.99	284.364
9381.221	1097.347	1395.3684	22.86814	137.2089	160.077	388.76	434.4947	274.42	285.852
9719.314	1136.895	1445.6565	23.6923	142.1538	165.846	402.77	450.1536	284.31	296.154
9740.219	1139.34	1448.766	23.74326	142.4595	166.203	403.64	451.1219	284.92	296.791
9768.331	1142.629	1452.9474	23.81178	142.8707	166.682	404.8	452.4239	285.74	297.647
9797.294	1146.017	1457.2553	23.88238	143.2943	167.177	406	453.7653	286.59	298.53
9819.511	1148.615	1460.5599	23.93654	143.6193	167.556	406.92	454.7943	287.24	299.207
10317.5	1206.867	1534.6309	25.15046	150.9028	176.053	427.56	477.8588	301.81	314.381
10438.5	1221.02	1552.628	25.44541	152.6725	178.118	432.57	483.4628	305.34	318.068
10443.31	1221.583	1553.3443	25.45715	152.7429	178.2	432.77	483.6858	305.49	318.214
10456.38	1223.112	1555.2886	25.48901	152.9341	178.423	433.31	484.2913	305.87	318.613
10579.43	1237.505	1573.59	25.78895	154.7337	180.523	438.41	489.99	309.47	322.362
10863.21	1270.7	1615.8002	26.48071	158.8843	185.365	450.17	503.1336	317.77	331.009
10866.38	1271.071	1616.2721	26.48845	158.9307	185.419	450.3	503.2805	317.86	331.106
11067.42	1294.587	1646.1743	26.9785	161.871	188.85	458.63	512.5916	323.74	337.231
11149.94	1304.239	1658.448	27.17965	163.0779	190.258	462.05	516.4134	326.16	339.746
11163.9	1305.872	1660.5244	27.21368	163.2821	190.496	462.63	517.0599	326.56	340.171
11802.82	1380.609	1755.5586	28.77116	172.627	201.398	489.11	546.652	345.25	359.64
11953.42	1398.225	1777.9594	29.13828	174.8297	203.968	495.35	553.6273	349.66	364.229
12223.33	1429.797	1818.1052	29.79621	178.7773	208.573	506.54	566.128	357.55	372.453
12260.93	1434.195	1823.6985	29.88788	179.3273	209.215	508.09	567.8697	358.65	373.599
12265.3	1434.706	1824.3473	29.89851	179.3911	209.29	508.27	568.0717	358.78	373.731
12267.23	1434.932	1824.6355	29.90323	179.4194	209.323	508.35	568.1614	358.84	373.79
12623.19	1476.57	1877.5809	30.77094	184.6256	215.397	523.11	584.6478	369.25	384.637
12633.37	1477.761	1879.0953	30.79575	184.7745	215.57	523.53	585.1193	369.55	384.947
12685.23	1483.827	1886.8088	30.92217	185.533	216.455	525.68	587.5212	371.07	386.527
12721.42	1488.06	1892.192	31.01039	186.0623	217.073	527.18	589.1974	372.12	387.63
12785.34	1495.537	1901.6994	31.1662	186.9972	218.163	529.83	592.1579	373.99	389.578
13433.32	1571.333	1998.0805	32.74575	196.4745	229.22	556.68	622.1693	392.95	409.322
14085.22	1647.588	2095.0443	34.33486	206.0091	240.344	583.69	652.3623	412.02	429.186
14333.21	1676.595	2131.93	34.93936	209.6362	244.576	593.97	663.8479	419.27	436.742
14537.33	1700.472	2162.2913	35.43694	212.6216	248.059	602.43	673.3019	425.24	442.962
14542.43	1701.069	2163.05	35.44938	212.6963	248.146	602.64	673.5381	425.39	443.117
14655.03	1714.24	2179.7979	35.72385	214.3431	250.067	607.31	678.7532	428.69	446.548
14828.23	1734.5	2205.5604	36.14606	216.8764	253.022	614.48	686.7752	433.75	451.826
15149.21	1772.046	2253.303	36.9285	221.571	258.499	627.78	701.6414	443.14	461.606
15237.49	1782.371	2266.4332	37.14368	222.8621	260.006	631.44	705.73	445.72	464.296
15717.22	1838.487	2337.7888	38.3131	229.8786	268.192	651.32	727.9489	459.76	478.914
16110.93	1884.54	2396.3496	39.27283	235.637	274.91	667.64	746.1838	471.27	490.91
16144.34	1888.449	2401.3192	39.35428	236.1257	275.48	669.02	747.7312	472.25	491.929

18265.24	2136.536	2716.7824	44.52428	267.1457	311.67	756.91	845.9613	534.29	556.554
18283.32	2138.651	2719.4723	44.56836	267.4102	311.979	757.66	846.7989	534.82	557.105
18863.29	2206.492	2805.7373	45.98212	275.8927	321.875	781.7	873.6604	551.79	574.777
18931	2214.411	2815.8075	46.14716	276.883	323.03	784.5	876.7961	553.77	576.84
19970.31	2335.983	2970.3959	48.68065	292.0839	340.765	827.57	924.9324	584.17	608.508
20330.29	2378.091	3023.94	49.55816	297.349	346.907	842.49	941.6051	594.7	619.477
20365.28	2382.184	3029.1445	49.64346	297.8607	347.504	843.94	943.2257	595.72	620.543

134/195	h3po42-	HCO32-	H2O	Li 6 35	Li 7 49	OH 39	H3O 42	Mg 39	MG 35
	39	40						24	25
	20%		<b>10.26%</b>	17.95%	25.13%	20.00%	22%	20%	17.34%
		20.62%							



Ca 40	Na	Zn 64	Cl 35	Cl 37	K39	ARG	ASN	Glu
20.000012	23.02115	32.00337	35.0241368	37.00826	39	77.5573	114.586	148.00078
20.63819	23.75573	33.02456	36.1417168	38.18915	40.24445	80.032	118.243	152.72331
20.820575	23.96567	33.3164	36.4611107	38.52664	40.6001	80.7393	119.288	154.07297
22.922758	26.3854	36.68025	40.1424653	42.41655	44.69935	88.8913	131.332	169.62919
27.317309	31.44378	43.71226	47.8382286	50.54828	53.26872	105.933	156.51	202.14902
31.344896	36.07976	50.15708	54.891362	58.00097	61.12251	121.551	179.585	231.9533
31.954455	36.7814	51.13247	55.9588259	59.12891	62.31115	123.915	183.077	236.46406
32.049962	36.89133	51.2853	56.1260787	58.59701	62.49739	124.285	183.625	237.17082
32.577227	37.49824	52.12901	57.0494269	59.561	63.52556	126.33	186.645	241.07259
33.053203	38.04612	52.89065	57.8829588	60.43123	64.45371	128.176	189.372	244.59483
35.503531	40.86658	56.81159	62.1739878	64.91117	69.23185	137.678	203.411	262.72735
39.295982	45.23191	62.88014	68.8153498	71.84492	76.62712	152.384	225.139	290.79161
39.583771	45.56317	63.34066	69.319328	72.37108	77.18831	153.5	226.788	292.92126
41.06523	47.26842	65.71124	71.9136674	75.07964	80.07715	159.245	235.276	303.88411
41.109546	47.31943	65.78215	71.9912748	75.16066	80.16357	159.417	235.53	304.21206
43.482894	50.05128	69.5799	76.1474941	79.49986	84.79159	168.621	249.127	321.77491
60.965884	70.1752	97.55561	106.763807	111.464	118.8834	236.417	349.293	451.14963
85.581201	98.50883	136.9442	149.870292	156.4683	166.8832	331.872	490.322	633.30382
91.337717	105.1349	146.1556	159.951137	166.9929	178.1084	354.195	523.303	675.90224
93.835092	108.0095	150.1518	164.324554	171.5589	182.9783	363.879	537.611	694.3829
96.296829	110.8431	154.091	168.635561	176.0597	187.7787	373.426	551.715	712.59984
98.381801	113.2431	157.4273	172.286778	179.8716	191.8444	381.511	563.661	728.02871
100.10932	115.2315	160.1917	175.312013	183.0301	195.2131	388.21	573.558	740.81238
101.57303	116.9163	162.5338	177.875275	185.7062	198.0673	393.886	581.944	751.64391
106.80482	122.9384	170.9056	187.037211	195.2714	208.2693	414.174	611.919	790.35931
108.29627	124.6552	173.2921	189.649053	197.9983	211.1776	419.958	620.464	801.39612
113.32125	130.4392	181.333	198.448821	207.1855	220.9763	439.444	649.254	838.58112
114.73923	132.0714	183.602	200.932	209.778	223.7414	444.943	657.378	849.07424
115.16977	132.567	184.2909	201.685961	210.5651	224.5809	446.612	659.845	852.26024
117.94869	135.7657	188.7376	206.552429	215.6458	229.9998	457.389	675.766	872.82437
118.23697	136.0975	189.1989	207.057261	216.1729	230.562	458.507	677.418	874.95763
118.48059	136.3779	189.5888	207.483888	216.6183	231.037	459.451	678.813	876.76041
118.52325	136.427	189.657	207.558592	216.6963	231.1202	459.617	679.058	877.07609
120.48478	138.6848	192.7958	210.993635	220.2825	234.9452	467.223	690.296	891.59148
120.82619	139.0778	193.3421	211.591528	220.9068	235.6109	468.547	692.252	894.11798
120.91687	139.1822	193.4872	211.750328	221.0726	235.7878	468.899	692.772	894.78902
122.97118	141.5468	196.7745	215.347843	224.8284	239.7937	476.865	704.541	909.99097
133.77812	153.9862	214.0674	234.273022	244.5868	260.8672	518.773	766.458	989.96271
133.78865	153.9984	214.0842	234.291464	244.6061	260.8877	518.814	766.518	990.04064
138.06625	158.9221	220.9291	241.782409	252.4268	269.229	535.402	791.026	1021.695
138.61872	159.558	221.8131	242.749896	253.4369	270.3063	537.544	794.191	1025.7833
139.42841	160.49	223.1088	244.167831	254.9172	271.8852	540.684	798.83	1031.775
140.09394	161.2561	224.1737	245.333308	256.134	273.183	543.265	802.643	1036.6999
140.71261	161.9682	225.1637	246.416737	257.2651	274.3894	545.664	806.188	1041.2782
148.30736	170.7102	237.3166	259.716707	271.1506	289.1992	575.115	849.7	1097.4796
150.10981	172.7849	240.2008	262.873166	274.4461	292.714	582.105	860.027	1110.8178

150.47351	173.2036	240.7828	263.510076	275.111	293.4232	583.515	862.111	1113.5091
152.4621	175.4925	243.9649	266.992503	278.7467	297.3009	591.227	873.504	1128.2247
154.10556	177.3843	246.5947	269.870549	281.7515	300.5057	597.6	882.92	1140.3864
154.12453	177.4061	246.625	269.90376	281.7862	300.5427	597.673	883.029	1140.5268
156.31763	179.9305	250.1344	273.744342	285.7958	304.8192	606.178	895.594	1156.7559
158.70185	182.6749	253.9495	277.9196	290.1549	309.4684	615.424	909.254	1174.3992
159.29732	183.3603	254.9024	278.96239	291.2436	310.6296	617.733	912.665	1178.8057
159.38937	183.4662	255.0497	279.123582	291.4119	310.8091	618.09	913.193	1179.4868
159.97982	184.1459	255.9945	280.157578	292.4914	311.9605	620.379	916.576	1183.8561
168.55348	194.0146	269.7138	295.171825	308.1666	328.6791	653.627	965.697	1247.3015
170.8906	196.7048	273.4536	299.26461	312.4396	333.2365	662.69	979.087	1264.5963
171.43015	197.3259	274.3169	300.209473	313.4261	334.2886	664.782	982.178	1268.589
172.10743	198.1054	275.4007	301.395525	314.6643	335.6093	667.409	986.059	1273.6009
172.16145	198.1676	275.4871	301.490122	314.7631	335.7146	667.618	986.368	1274.0006
172.89406	199.0109	276.6594	302.773076	316.1025	337.1432	670.459	990.566	1279.422
174.15106	200.4578	278.6708	304.974342	318.4007	339.5944	675.334	997.767	1288.7238
174.35012	200.6869	278.9894	305.322935	318.7647	339.9825	676.106	998.908	1290.1969
178.89995	205.924	286.2698	313.290622	327.0831	348.8547	693.749	1024.98	1323.8658
191.26899	220.1615	306.0624	334.951354	349.6975	372.9743	741.715	1095.84	1415.3971
191.46936	220.3921	306.383	335.302252	350.0638	373.365	742.492	1096.99	1416.8799
195.69143	225.252	313.139	342.695953	357.783	381.5981	758.864	1121.18	1448.1233
198.47956	228.4613	317.6005	347.578557	362.8806	387.0349	769.676	1137.15	1468.7556
198.91005	228.9568	318.2894	348.332432	363.6676	387.8744	771.346	1139.62	1471.9412
201.05529	231.4261	321.7221	352.089174	367.5898	392.0576	779.664	1151.91	1487.816
202.90478	233.5549	324.6816	355.328022	370.9712	395.6641	786.837	1162.51	1501.5023
205.8754	236.9743	329.4351	360.53019	376.4024	401.4568	798.356	1179.53	1523.485
206.63502	237.8487	330.6506	361.860443	377.7912	402.9381	801.302	1183.88	1529.1063
207.50863	238.8542	332.0485	363.390307	379.3884	404.6416	804.69	1188.88	1535.571
209.11626	240.7047	334.621	366.205601	382.3277	407.7765	810.924	1198.09	1547.4675
210.26932	242.0319	336.4661	368.224844	384.4358	410.0249	815.395	1204.7	1556.0002
213.34149	245.5682	341.3821	373.604851	390.0527	416.0157	827.309	1222.3	1578.7344
215.79986	248.3979	345.3159	377.909967	394.5473	420.8095	836.842	1236.39	1596.9264
216.23045	248.8936	346.0049	378.664014	395.3345	421.6491	838.512	1238.85	1600.1128
217.98405	250.912	348.8109	381.734925	398.5407	425.0687	845.312	1248.9	1613.0895
218.60326	251.6248	349.8018	382.819294	399.6728	426.2761	847.713	1252.45	1617.6716
218.7249	251.7648	349.9964	383.032309	399.8952	426.5133	848.185	1253.15	1618.5718
222.13459	255.6896	355.4525	389.003379	406.1291	433.1622	861.407	1272.68	1643.8036
225.72374	259.8209	361.1958	395.28872	412.6911	440.1611	875.325	1293.24	1670.3634
230.70972	265.56	369.1741	404.020187	421.807	449.8837	894.66	1321.81	1707.2598
237.7305	273.6413	380.4086	416.315018	434.6431	463.5742	921.886	1362.03	1759.2138
247.97171	285.4295	396.7962	434.249488	453.3671	483.5446	961.6	1420.71	1834.9992
249.81472	287.551	399.7453	437.47698	456.7367	487.1384	968.747	1431.27	1848.6375
250.2553	288.0581	400.4503	438.248529	457.5422	487.9976	970.455	1433.79	1851.8978
255.81417	294.4567	409.3455	447.983256	467.7055	498.8374	992.012	1465.64	1893.0337
256.96923	295.7862	411.1938	450.005999	469.8173	501.0897	996.491	1472.26	1901.5811
260.36552	299.6955	416.6284	455.953591	476.0268	507.7125	1009.66	1491.72	1926.7137
269.12746	309.781	430.649	471.297563	492.0462	524.7983	1043.64	1541.92	1991.5525



271.56589	312.5878	434.5509	475.56776	496.5044	529.5532	1053.09	1555.89	2009.5969
286.77967	330.0997	458.8955	502.210218	524.3198	559.22	1112.09	1643.05	2122.1794
288.93553	332.5812	462.3452	505.985572	528.2614	563.424	1120.45	1655.4	2138.1329
294.33732	338.799	470.989	515.445216	538.1375	573.9575	1141.4	1686.35	2178.1063
301.31013	346.8251	482.1466	527.656037	550.8859	587.5544	1168.44	1726.3	2229.7053
308.56756	355.1788	493.7597	540.365286	564.1546	601.7064	1196.58	1767.88	2283.4105
309.5981	356.365	495.4088	542.169977	566.0388	603.716	1200.58	1773.79	2291.0366
310.1338	356.9816	496.266	543.108095	567.0182	604.7606	1202.66	1776.86	2295.0008
310.30965	357.1841	496.5474	543.416049	567.3397	605.1035	1203.34	1777.86	2296.3021
311.20637	358.2162	497.9822	544.986381	568.9792	606.8521	1206.81	1783	2302.9378
315.00199	362.5852	504.0559	551.633292	575.9187	614.2535	1221.53	1804.75	2331.0255
328.27042	377.8579	525.2876	574.869052	600.1774	640.127	1272.99	1880.77	2429.2124
329.48442	379.2553	527.2302	576.995015	602.397	642.4943	1277.69	1887.72	2438.196
330.52042	380.4478	528.888	578.809269	604.2911	644.5145	1281.71	1893.66	2445.8625
334.26173	384.7543	534.8747	585.361071	611.1314	651.81	1296.22	1915.09	2473.5483
335.28364	385.9305	536.5099	587.15065	612.9997	653.8027	1300.18	1920.95	2481.1105
337.17053	388.1025	539.5293	590.454981	616.4495	657.4822	1307.5	1931.76	2495.0735
340.32188	391.7298	544.5719	595.973641	622.2111	663.6273	1319.72	1949.81	2518.3936
342.20911	393.9022	547.5918	599.27857	625.6616	667.3074	1327.04	1960.63	2532.3592
343.37792	395.2475	549.4621	601.325389	627.7985	669.5866	1331.57	1967.32	2541.0084
347.62499	400.1361	556.2581	608.762888	635.5634	677.8684	1348.04	1991.66	2572.4369
348.29871	400.9116	557.3362	609.942707	636.7952	679.1821	1350.65	1995.52	2577.4224
351.52036	404.6199	562.4914	615.58448	642.6853	685.4643	1363.15	2013.97	2601.2627
355.46872	409.1647	568.8094	622.498876	649.9041	693.1636	1378.46	2036.59	2630.4808
364.78226	419.8851	583.7126	638.808799	666.9321	711.325	1414.57	2089.95	2699.4013
366.18026	421.4943	585.9497	641.256974	669.4881	714.0511	1420	2097.96	2709.7465
367.07307	422.522	587.3783	642.820476	671.1204	715.7921	1423.46	2103.08	2716.3533
368.04711	423.6432	588.9369	644.526215	672.9012	717.6915	1427.24	2108.66	2723.5612
372.96219	429.3007	596.8019	653.133545	681.8875	727.2759	1446.3	2136.82	2759.933
374.44867	431.0117	599.1805	655.736678	684.6052	730.1745	1452.06	2145.34	2770.933
375.03391	431.6854	600.117	656.761539	685.6752	731.3157	1454.33	2148.69	2775.2638
381.69889	439.3571	610.7821	668.433292	697.8608	744.3124	1480.18	2186.88	2824.5849
383.30667	441.2078	613.3548	671.248842	700.8003	747.4476	1486.41	2196.09	2836.4825
386.73269	445.1513	618.837	677.248513	707.0641	754.1283	1499.7	2215.72	2861.8352
386.87607	445.3164	619.0664	677.499606	707.3263	754.4079	1500.25	2216.54	2862.8962
387.4596	445.988	620.0002	678.521479	708.3931	755.5458	1502.51	2219.88	2867.2143
389.0156	447.7791	622.49	681.246359	711.238	758.58	1508.55	2228.8	2878.7288
391.40601	450.5306	626.3151	685.43246	715.6083	763.2413	1517.82	2242.49	2896.4179
392.75174	452.0796	628.4685	687.789111	718.0687	765.8655	1523.04	2250.2	2906.3764
393.54115	452.9883	629.7317	689.171529	719.512	767.4048	1526.1	2254.72	2912.218
396.90706	456.8626	635.1177	695.065931	725.6659	773.9683	1539.15	2274.01	2937.1259
406.42409	467.8173	650.3465	711.732216	743.0659	792.5265	1576.06	2328.53	3007.5522
409.27176	471.0951	654.9033	716.719064	748.2723	798.0795	1587.1	2344.85	3028.6251
411.09454	473.1932	657.82	719.911126	751.6049	801.6339	1594.17	2355.29	3042.1137
412.06658	474.3121	659.3755	721.613365	753.3821	803.5294	1597.94	2360.86	3049.3068
412.49682	474.8073	660.0639	722.366813	754.1687	804.3684	1599.61	2363.33	3052.4906
413.19287	475.6085	661.1777	723.585735	755.4413	805.7256	1602.3	2367.31	3057.6414

414.02031	476.5609	662.5018	725.034747	756.9541	807.3391	1605.51	2372.06	3063.7645
416.46371	479.3734	666.4116	729.313653	761.4214	812.1038	1614.99	2386.05	3081.8458
429.90946	494.8502	687.9271	752.859927	786.0043	838.323	1667.13	2463.09	3181.3448
431.57803	496.7709	690.5971	755.781942	789.0549	841.5767	1673.6	2472.65	3193.6923
431.63239	496.8334	690.684	755.877137	789.1543	841.6827	1673.81	2472.96	3194.0945
431.86324	497.0992	691.0534	756.281396	789.5764	842.1328	1674.71	2474.28	3195.8028
435.81385	501.6465	697.3751	763.199719	796.7993	849.8365	1690.03	2496.92	3225.0374
454.98281	523.7111	728.0486	796.768526	831.8459	887.216	1764.36	2606.74	3366.8884
457.36313	526.451	731.8575	800.936954	836.1979	891.8576	1773.59	2620.38	3384.5029
473.8462	545.4239	758.2332	829.802192	866.3339	923.9996	1837.51	2714.82	3506.4781
474.86538	546.5971	759.864	831.586991	868.1973	925.987	1841.46	2720.66	3514.0201
476.23593	548.1746	762.0571	833.987098	870.703	928.6595	1846.78	2728.51	3524.1622
477.64796	549.8	764.3166	836.459861	873.2847	931.413	1852.25	2736.6	3534.6113
478.73111	551.0467	766.0499	838.356674	875.265	933.5251	1856.45	2742.8	3542.6266
503.00954	578.9926	804.8994	880.873207	919.6533	980.8681	1950.6	2881.9	3722.2879
508.90846	585.7826	814.3387	891.203437	930.4383	992.3709	1973.48	2915.7	3765.9401
509.14326	586.0529	814.7144	891.61461	930.8676	992.8288	1974.39	2917.05	3767.6776
509.78056	586.7864	815.7342	892.730654	932.0328	994.0715	1976.86	2920.7	3772.3936
515.77923	593.6912	825.3331	903.235564	943.0001	1005.769	2000.12	2955.06	3816.784
529.61457	609.6165	847.4719	927.464083	968.2953	1032.748	2053.77	3034.33	3919.166
529.76926	609.7946	847.7194	927.734983	968.5781	1033.049	2054.37	3035.22	3920.3107
539.57038	621.0762	863.4029	944.898757	986.4975	1052.162	2092.38	3091.37	3992.8393
543.59333	625.7069	869.8403	951.94378	993.8527	1060.006	2107.98	3114.42	4022.6093
544.27393	626.4903	870.9293	953.135638	995.097	1061.334	2110.62	3118.32	4027.6457
575.42352	662.3452	920.7739	1007.68498	1052.048	1122.075	2231.41	3296.79	4258.1538
582.76587	670.7967	932.5229	1020.54296	1065.472	1136.393	2259.88	3338.85	4312.4875
595.92456	685.9431	953.579	1043.58653	1089.53	1162.052	2310.91	3414.24	4409.8622
597.75787	688.0533	956.5126	1046.79704	1092.882	1165.627	2318.02	3424.75	4423.4288
597.97054	688.2981	956.8529	1047.16945	1093.271	1166.042	2318.85	3425.97	4425.0025
598.06502	688.4069	957.0041	1047.33491	1093.443	1166.226	2319.21	3426.51	4425.7017
615.41906	708.3823	984.7734	1077.7254	1125.172	1200.066	2386.51	3525.93	4554.1221
615.91541	708.9537	985.5677	1078.59462	1126.079	1201.034	2388.43	3528.78	4557.7952
618.4437	711.8639	989.6134	1083.02217	1130.702	1205.965	2398.24	3543.26	4576.5046
620.20817	713.8949	992.4368	1086.11212	1133.928	1209.405	2405.08	3553.37	4589.5617
623.32441	717.4819	997.4233	1091.5693	1139.625	1215.482	2417.17	3571.23	4612.6221
654.91546	753.845	1047.974	1146.89173	1197.383	1277.084	2539.67	3752.22	4846.3969
686.69753	790.4279	1098.831	1202.54867	1255.49	1339.059	2662.92	3934.31	5081.5853
698.78765	804.3443	1118.177	1223.72096	1277.595	1362.635	2709.8	4003.58	5171.0526
708.73922	815.7992	1134.101	1241.14821	1295.789	1382.041	2748.39	4060.59	5244.6946
708.98791	816.0854	1134.499	1241.58371	1296.244	1382.526	2749.36	4062.02	5246.5349
714.4774	822.4041	1143.283	1251.19695	1306.28	1393.23	2770.64	4093.47	5287.1573
722.92163	832.1239	1156.796	1265.98452	1321.719	1409.696	2803.39	4141.85	5349.6449
738.57033	850.1365	1181.836	1293.38862	1350.33	1440.211	2864.07	4231.51	5465.4458
742.87406	855.0903	1188.723	1300.92533	1358.198	1448.604	2880.76	4256.16	5497.2935
766.26245	882.0117	1226.148	1341.88323	1400.959	1494.211	2971.46	4390.16	5670.3685
785.45707	904.1058	1256.863	1375.49694	1436.053	1531.64	3045.89	4500.14	5812.4093
787.08595	905.9807	1259.469	1378.34946	1439.031	1534.817	3052.21	4509.47	5824.4631

890.48605	1025	1424.927	1559.42431	1628.077	1736.447	3453.18	5101.88	6589.6274
891.36775	1026.015	1426.338	1560.96835	1629.689	1738.166	3456.6	5106.93	6596.152
919.64301	1058.561	1471.583	1610.48414	1681.385	1793.303	3566.25	5268.93	6805.3898
922.94374	1062.361	1476.864	1616.26439	1687.42	1799.739	3579.05	5287.84	6829.8153
973.61356	1120.685	1557.945	1704.99768	1780.06	1898.545	3775.54	5578.14	7204.7738
991.16383	1140.886	1586.028	1735.73182	1812.147	1932.768	3843.6	5678.7	7334.6464
992.8697	1142.85	1588.758	1738.71914	1815.266	1936.095	3850.21	5688.47	7347.2699

ca 40/42    Na 47    zn 64/35    cl35n70/40    Cl 37 /38    K39/38    arg 28    ASN 42    Glu 37

21.53%    **24.10%**    17.95%    20.51%    19.48%    19.48%    14.36%    21.53%    19.07%



Tyr	Ser	Hist	33.8	39	45	7.83	20.84	14.3	27.3
162.171	94.0592	134.6056	12.13701	10.51874	9.116244	52.39221	19.68479	28.68748	15.02678
167.346	97.06052	138.9007	12.52429	10.85438	9.407133	54.06398	20.31291	29.60287	15.50626
168.825	97.91827	140.1282	12.63497	10.95031	9.490267	54.54176	20.49242	29.86448	15.6433
185.87	107.8047	154.2764	13.91068	12.05592	10.44847	60.04866	22.56147	32.87979	17.22275
221.504	128.4721	183.853	16.57751	14.36718	12.45156	71.56066	26.88676	39.18322	20.52454
254.162	147.4137	210.9597	19.02166	16.48544	14.28738	82.11137	30.85086	44.96028	23.55062
259.104	150.2804	215.0622	19.39157	16.80603	14.56522	83.70817	31.45082	45.83462	24.00861
259.879	150.7296	215.705	19.44953	16.85626	14.60876	83.95837	31.54482	45.97161	24.08037
264.154	153.2093	219.2537	19.7695	17.13356	14.84909	85.33959	32.06377	46.7279	24.47652
268.013	155.4478	222.4571	20.05834	17.3839	15.06604	86.58646	32.53225	47.41063	24.83414
287.882	166.9716	238.9485	21.54533	18.67262	16.18293	93.00536	34.94395	50.92531	26.67516
318.633	184.8073	264.4727	23.84678	20.66721	17.91158	102.9401	38.67663	56.3651	29.52458
320.967	186.1608	266.4096	24.02142	20.81856	18.04276	103.694	38.95988	56.7779	29.74081
332.979	193.128	276.3803	24.92044	21.59772	18.71802	107.5748	40.41799	58.90287	30.85388
333.339	193.3364	276.6785	24.94734	21.62103	18.73822	107.6909	40.46161	58.96643	30.88718
352.583	204.4982	292.6518	26.3876	22.86926	19.82002	113.9082	42.79755	62.3707	32.67037
494.345	286.7199	410.3171	36.99716	32.06421	27.78898	159.7068	60.00499	87.44783	45.80601
693.939	402.4847	575.9849	51.93497	45.01031	39.00893	224.1893	84.23234	122.7554	64.30044
740.616	429.5574	614.7279	55.42831	48.03787	41.63282	239.2691	89.89813	131.0124	68.62553
760.866	441.3024	631.5359	56.94385	49.35133	42.77116	245.8112	92.35614	134.5945	70.5019
780.827	452.8798	648.104	58.43775	50.64605	43.89324	252.26	94.77908	138.1256	72.3515
797.734	462.6854	662.1365	59.70302	51.74262	44.8436	257.7218	96.83119	141.1162	73.91802
811.741	470.8098	673.7631	60.75136	52.65118	45.63102	262.2473	98.53148	143.5941	75.21597
823.61	477.6936	683.6143	61.63962	53.421	46.2982	266.0816	99.97212	145.6936	76.31571
866.032	502.2985	718.8257	64.81453	56.17259	48.68291	279.7868	105.1214	153.198	80.24656
878.126	509.3127	728.8636	65.71962	56.957	49.36273	283.6939	106.5894	155.3373	81.36714
918.871	532.945	762.683	68.76902	59.59982	51.65318	296.8573	111.5352	162.545	85.1426
930.369	539.6137	772.2265	69.62953	60.34559	52.29951	300.5719	112.9308	164.5789	86.20799
933.86	541.6385	775.1241	69.8908	60.57203	52.49576	301.6997	113.3546	165.1964	86.53147
956.393	554.7076	793.827	71.57719	62.03356	53.76242	308.9794	116.0897	169.1824	88.61938
958.73	556.0634	795.7672	71.75213	62.18518	53.89382	309.7346	116.3734	169.5959	88.83597
960.706	557.2091	797.4068	71.89997	62.31331	54.00487	310.3728	116.6132	169.9454	89.01901
961.051	557.4097	797.6939	71.92586	62.33574	54.02431	310.4845	116.6552	170.0066	89.05106
976.957	566.6347	810.8956	73.11621	63.36738	54.9184	315.623	118.5858	172.8201	90.52484
979.725	568.2404	813.1934	73.3234	63.54695	55.07402	316.5174	118.9218	173.3099	90.78136
980.46	568.6669	813.8037	73.37843	63.59464	55.11536	316.7549	119.0111	173.4399	90.84949
997.118	578.3282	827.6298	74.62509	64.67508	56.05173	322.1364	121.033	176.3866	92.39297
1084.75	629.1528	900.3634	81.18328	70.35885	60.97767	350.4464	131.6696	191.8878	100.5126
1084.83	629.2023	900.4343	81.18967	70.36438	60.98247	350.4739	131.68	191.9029	100.5205
1119.52	649.3196	929.2237	83.78553	72.61413	62.93224	361.6796	135.8902	198.0385	103.7345
1124	651.9179	932.942	84.1208	72.90469	63.18407	363.1268	136.4339	198.831	104.1496
1130.56	655.7258	938.3914	84.61216	73.33054	63.55313	365.2479	137.2309	199.9924	104.7579
1135.96	658.8558	942.8706	85.01604	73.68056	63.85649	366.9913	137.8859	200.947	105.2579
1140.98	661.7654	947.0344	85.39148	74.00595	64.13849	368.612	138.4948	201.8344	105.7228
1202.56	697.4831	998.1492	90.00036	78.00031	67.60027	388.5073	145.9699	212.7281	111.429
1217.17	705.96	1010.28	91.09417	78.94828	68.42184	393.229	147.7439	215.3135	112.7833

1220.12	707.6704	1012.728	91.31488	79.13956	68.58762	394.1817	148.1019	215.8352	113.0565
1236.25	717.0227	1026.112	92.52166	80.18544	69.49404	399.3911	150.0591	218.6876	114.5506
1249.57	724.7518	1037.173	93.51899	81.04979	70.24316	403.6963	151.6767	221.0449	115.7854
1249.73	724.841	1037.3	93.5305	81.05977	70.2518	403.746	151.6953	221.0721	115.7997
1267.51	735.1551	1052.061	94.86139	82.21321	71.25144	409.4911	153.8539	224.2178	117.4474
1286.84	746.368	1068.107	96.30825	83.46715	72.3382	415.7368	156.2005	227.6377	119.2388
1291.67	749.1685	1072.115	96.66962	83.78033	72.60962	417.2967	156.7866	228.4918	119.6862
1292.42	749.6013	1072.734	96.72547	83.82874	72.65158	417.5378	156.8772	228.6238	119.7553
1297.2	752.3782	1076.708	97.08379	84.13928	72.92071	419.0845	157.4583	229.4708	120.199
1366.72	792.6998	1134.411	102.2867	88.64849	76.82869	441.5442	165.8969	241.7686	126.6407
1385.67	803.6912	1150.141	103.705	89.87767	77.89398	447.6665	168.1972	245.1209	128.3967
1390.05	806.2286	1153.772	104.0324	90.16144	78.13991	449.0799	168.7282	245.8948	128.8021
1395.54	809.4138	1158.33	104.4434	90.51764	78.44862	450.8542	169.3948	246.8663	129.3109
1395.98	809.6679	1158.694	104.4762	90.54605	78.47324	450.9957	169.448	246.9438	129.3515
1401.92	813.1133	1163.624	104.9208	90.93136	78.80718	452.9148	170.169	247.9946	129.9019
1412.11	819.0249	1172.084	105.6836	91.59246	79.38013	456.2077	171.4062	249.7976	130.8464
1413.73	819.9611	1173.424	105.8044	91.69715	79.47087	456.7291	171.6022	250.0831	130.9959
1450.62	841.3588	1204.046	108.5655	94.09008	81.54473	468.6479	176.0803	256.6093	134.4144
1550.91	899.5298	1287.293	116.0716	100.5954	87.18269	501.0499	188.2544	274.3511	143.7077
1552.54	900.4722	1288.641	116.1932	100.7008	87.27402	501.5748	188.4516	274.6385	143.8583
1586.77	920.3284	1317.057	118.7554	102.9213	89.19849	512.635	192.6071	280.6945	147.0305
1609.38	933.4409	1335.822	120.4474	104.3877	90.46936	519.9388	195.3513	284.6938	149.1253
1612.87	935.4654	1338.719	120.7086	104.6141	90.66558	521.0665	195.775	285.3113	149.4488
1630.27	945.5544	1353.157	122.0104	105.7424	91.6434	526.6862	197.8864	288.3883	151.0605
1645.26	954.2525	1365.605	123.1328	106.7151	92.48642	531.5312	199.7068	291.0412	152.4501
1669.35	968.2232	1385.598	124.9355	108.2775	93.84047	539.313	202.6306	295.3022	154.6821
1675.51	971.7956	1390.71	125.3965	108.677	94.18671	541.3029	203.3782	296.3917	155.2528
1682.59	975.9042	1396.59	125.9267	109.1364	94.58491	543.5914	204.2381	297.6448	155.9092
1695.63	983.4648	1407.41	126.9022	109.9819	95.31769	547.8028	205.8203	299.9508	157.1171
1704.98	988.8876	1415.17	127.602	110.5884	95.84327	550.8234	206.9552	301.6047	157.9834
1729.89	1003.336	1435.847	129.4663	112.2042	97.2436	558.8713	209.979	306.0113	160.2916
1749.82	1014.897	1452.392	130.9582	113.4971	98.36416	565.3112	212.3986	309.5376	162.1387
1753.32	1016.923	1455.29	131.2195	113.7236	98.56042	566.4392	212.8224	310.1552	162.4622
1767.53	1025.17	1467.092	132.2837	114.6458	99.35973	571.033	214.5484	312.6705	163.7798
1772.56	1028.082	1471.26	132.6594	114.9715	99.64198	572.655	215.1578	313.5587	164.245
1773.54	1028.654	1472.079	132.7333	115.0355	99.69742	572.9737	215.2775	313.7331	164.3364
1801.19	1044.689	1495.027	134.8024	116.8288	101.2516	581.9057	218.6335	318.6239	166.8982
1830.29	1061.569	1519.183	136.9805	118.7164	102.8876	591.3079	222.1661	323.7721	169.5949
1870.72	1085.018	1552.74	140.0062	121.3387	105.1602	604.3692	227.0735	330.9238	173.3411
1927.65	1118.036	1599.991	144.2668	125.0312	108.3604	622.7609	233.9836	340.9943	178.616
2010.69	1166.2	1668.918	150.4817	130.4175	113.0285	649.5889	244.0634	355.684	186.3107
2025.63	1174.868	1681.322	151.6001	131.3868	113.8685	654.4169	245.8774	358.3276	187.6954
2029.21	1176.94	1684.287	151.8675	131.6185	114.0694	655.571	246.311	358.9595	188.0264
2074.28	1203.083	1721.699	155.2409	134.5421	116.6032	670.1331	251.7822	366.933	192.203
2083.65	1208.515	1729.473	155.9418	135.1496	117.1296	673.1589	252.9191	368.5898	193.0708
2111.19	1224.488	1752.331	158.0029	136.9358	118.6777	682.0558	256.2619	373.4613	195.6226
2182.23	1265.695	1811.302	163.3201	141.5441	122.6715	705.0087	264.8857	386.0292	202.2058

2202.01	1277.163	1827.713	164.7998	142.8265	123.783	711.3964	267.2857	389.5269	204.0379
2325.37	1348.712	1930.106	174.0323	150.828	130.7176	751.2506	282.2597	411.3491	215.4686
2342.85	1358.851	1944.615	175.3406	151.9618	131.7003	756.8981	284.3816	414.4414	217.0884
2386.65	1384.256	1980.971	178.6187	154.8028	134.1625	771.0487	289.6982	422.1896	221.1469
2443.19	1417.049	2027.9	182.8501	158.4701	137.3408	789.3147	296.5611	432.1912	226.3859
2502.03	1451.18	2076.744	187.2543	162.2871	140.6488	808.3263	303.7042	442.601	231.8386
2510.39	1456.027	2083.68	187.8797	162.8291	141.1185	811.0259	304.7185	444.0792	232.6129
2514.73	1458.546	2087.285	188.2048	163.1108	141.3627	812.4292	305.2457	444.8476	233.0154
2516.16	1459.373	2088.469	188.3115	163.2033	141.4428	812.8899	305.4188	445.0999	233.1475
2523.43	1463.59	2094.504	188.8557	163.6749	141.8516	815.239	306.3014	446.3861	233.8213
2554.21	1481.441	2120.05	191.159	165.6712	143.5817	825.182	310.0372	451.8304	236.6731
2661.8	1543.842	2209.35	199.211	172.6495	149.6296	859.9401	323.0965	470.8623	246.6422
2671.64	1549.551	2217.52	199.9477	173.288	150.1829	863.1203	324.2914	472.6036	247.5543
2680.04	1554.423	2224.493	200.5764	173.8329	150.6552	865.8342	325.311	474.0897	248.3327
2710.38	1572.019	2249.673	202.8468	175.8006	152.3605	875.635	328.9934	479.4561	251.1437
2718.66	1576.825	2256.551	203.467	176.338	152.8263	878.312	329.9992	480.9219	251.9115
2733.96	1585.699	2269.25	204.612	177.3304	153.6864	883.2549	331.8563	483.6284	253.3292
2759.52	1600.519	2290.46	206.5244	178.9878	155.1228	891.5102	334.958	488.1486	255.6969
2774.82	1609.395	2303.161	207.6697	179.9804	155.983	896.454	336.8155	490.8556	257.1148
2784.3	1614.892	2311.027	208.379	180.5951	156.5158	899.5158	337.9659	492.5321	257.993
2818.73	1634.865	2339.611	210.9563	182.8288	158.4516	910.6415	342.146	498.624	261.184
2824.2	1638.034	2344.146	211.3651	183.1831	158.7587	912.4064	342.8091	499.5903	261.6902
2850.32	1653.185	2365.828	213.3202	184.8775	160.2272	920.8458	345.98	504.2114	264.1107
2882.34	1671.754	2392.402	215.7163	186.9541	162.0269	931.189	349.8661	509.8748	267.0773
2957.85	1715.555	2455.085	221.3682	191.8524	166.2721	955.5868	359.0329	523.2339	274.0749
2969.19	1722.13	2464.493	222.2166	192.5877	166.9093	959.249	360.4088	525.2392	275.1253
2976.43	1726.329	2470.502	222.7584	193.0573	167.3163	961.5879	361.2876	526.5198	275.7961
2984.33	1730.91	2477.058	223.3495	193.5695	167.7603	964.1395	362.2463	527.9169	276.5279
3024.18	1754.025	2510.138	226.3322	196.1546	170.0006	977.0151	367.0839	534.967	280.2208
3036.24	1761.016	2520.142	227.2343	196.9364	170.6782	980.9091	368.5469	537.0992	281.3377
3040.98	1763.768	2524.081	227.5894	197.2442	170.9449	982.4421	369.1229	537.9386	281.7774
3095.02	1795.113	2568.938	231.6341	200.7495	173.9829	999.9018	375.6829	547.4987	286.785
3108.06	1802.675	2579.759	232.6097	201.5951	174.7158	1004.114	377.2653	549.8048	287.993
3135.84	1818.787	2602.817	234.6888	203.397	176.2774	1013.088	380.6373	554.719	290.5671
3137	1819.462	2603.782	234.7758	203.4724	176.3427	1013.464	380.7785	554.9247	290.6748
3141.73	1822.206	2607.709	235.1299	203.7793	176.6087	1014.993	381.3528	555.7617	291.1133
3154.35	1829.524	2618.182	236.0742	204.5976	177.318	1019.069	382.8843	557.9936	292.2823
3173.73	1840.766	2634.27	237.5248	205.8548	178.4075	1025.331	385.237	561.4223	294.0784
3184.65	1847.095	2643.327	238.3415	206.5626	179.0209	1028.856	386.5615	563.3526	295.0895
3191.05	1850.807	2648.64	238.8205	206.9778	179.3808	1030.924	387.3385	564.4849	295.6826
3218.34	1866.637	2671.293	240.8631	208.7481	180.915	1039.741	390.6513	569.3129	298.2115
3295.51	1911.395	2735.346	246.6386	213.7534	185.253	1064.672	400.0184	582.9638	305.362
3318.6	1924.787	2754.511	248.3667	215.2511	186.551	1072.132	402.8212	587.0485	307.5016
3333.38	1933.36	2766.779	249.4728	216.2098	187.3818	1076.907	404.6152	589.663	308.8711
3341.26	1937.931	2773.321	250.0627	216.721	187.8249	1079.453	405.5719	591.0573	309.6014
3344.75	1939.955	2776.217	250.3238	216.9473	188.021	1080.58	405.9954	591.6744	309.9247
3350.39	1943.228	2780.901	250.7462	217.3134	188.3382	1082.404	406.6805	592.6728	310.4477

3357.1	1947.12	2786.47	251.2483	217.7485	188.7154	1084.571	407.4949	593.8597	311.0693
3376.92	1958.611	2802.915	252.7311	219.0336	189.8291	1090.972	409.8998	597.3644	312.9052
3485.94	2021.846	2893.408	260.8907	226.1052	195.9579	1126.195	423.1336	616.6506	323.0075
3499.47	2029.693	2904.638	261.9032	226.9828	196.7184	1130.566	424.7759	619.044	324.2611
3499.91	2029.949	2905.004	261.9362	227.0114	196.7432	1130.708	424.8294	619.122	324.302
3501.78	2031.034	2906.558	262.0763	227.1328	196.8484	1131.313	425.0566	619.4531	324.4754
3533.82	2049.614	2933.147	264.4737	229.2106	198.6492	1141.662	428.9449	625.1197	327.4437
3689.25	2139.765	3062.159	276.1064	239.2922	207.3866	1191.877	447.8118	652.6152	341.846
3708.55	2150.959	3078.179	277.5509	240.5441	208.4716	1198.113	450.1546	656.0294	343.6345
3842.2	2228.478	3189.115	287.5537	249.2132	215.9848	1241.292	466.3778	679.6723	356.0188
3850.47	2233.271	3195.974	288.1722	249.7492	216.4493	1243.962	467.381	681.1342	356.7846
3861.58	2239.717	3205.198	289.0039	250.47	217.074	1247.552	468.7299	683.1001	357.8143
3873.03	2246.358	3214.702	289.8608	251.2127	217.7176	1251.251	470.1197	685.1255	358.8752
3881.81	2251.452	3221.992	290.5181	251.7823	218.2114	1254.088	471.1857	686.6791	359.689
4078.68	2365.632	3385.392	305.2514	264.5513	229.2778	1317.688	495.0815	721.5034	377.9304
4126.51	2393.375	3425.093	308.8312	267.6537	231.9666	1333.141	500.8875	729.9647	382.3625
4128.41	2394.479	3426.674	308.9737	267.7772	232.0736	1333.756	501.1186	730.3015	382.5389
4133.58	2397.476	3430.963	309.3604	268.1124	232.3641	1335.426	501.7458	731.2156	383.0177
4182.22	2425.688	3471.336	313.0007	271.2673	235.0983	1351.14	507.65	739.8199	387.5247
4294.41	2490.755	3564.451	321.3967	278.5438	241.4046	1387.383	521.2672	759.665	397.9197
4295.66	2491.482	3565.492	321.4906	278.6252	241.4752	1387.788	521.4195	759.8869	398.036
4375.13	2537.576	3631.457	327.4384	283.7799	245.9426	1413.463	531.0661	773.9453	405.3999
4407.75	2556.496	3658.532	329.8797	285.8958	247.7763	1424.002	535.0257	779.7157	408.4225
4413.27	2559.697	3663.113	330.2928	286.2537	248.0866	1425.785	535.6955	780.692	408.9339
4665.85	2706.192	3872.758	349.1959	302.6364	262.2849	1507.385	566.3542	825.3721	432.3378
4725.39	2740.723	3922.174	353.6516	306.4981	265.6316	1526.619	573.5808	835.9038	437.8544
4832.08	2802.608	4010.736	361.637	313.4187	271.6295	1561.089	586.5321	854.7783	447.741
4846.95	2811.23	4023.074	362.7495	314.3829	272.4652	1565.892	588.3365	857.4079	449.1184
4848.67	2812.23	4024.506	362.8786	314.4947	272.5621	1566.449	588.5458	857.7129	449.2782
4849.44	2812.674	4025.141	362.9359	314.5444	272.6052	1566.696	588.6388	857.8485	449.3492
4990.16	2894.289	4141.939	373.4672	323.6716	280.5154	1612.157	605.7193	882.7406	462.3879
4994.18	2896.624	4145.28	373.7684	323.9326	280.7416	1613.457	606.2079	883.4526	462.7609
5014.68	2908.514	4162.296	375.3027	325.2623	281.894	1620.081	608.6963	887.0791	464.6605
5028.99	2916.812	4174.171	376.3735	326.1903	282.6983	1624.703	610.433	889.61	465.9862
5054.26	2931.468	4195.144	378.2646	327.8293	284.1187	1632.866	613.5001	894.0799	468.3275
5310.41	3080.039	4407.761	397.4356	344.4442	298.5183	1715.622	644.5932	939.3932	492.0631
5568.12	3229.509	4621.663	416.7225	361.1595	313.0049	1798.879	675.8744	984.9806	515.9422
5666.15	3286.368	4703.032	424.0594	367.5182	318.5158	1830.55	687.7739	1002.322	525.026
5746.85	3333.17	4770.009	430.0986	372.7521	323.0518	1856.62	697.5687	1016.597	532.503
5748.86	3334.34	4771.683	430.2495	372.8829	323.1652	1857.271	697.8134	1016.953	532.6898
5793.37	3360.157	4808.629	433.5808	375.77	325.6673	1871.651	703.2164	1024.827	536.8143
5861.84	3399.869	4865.461	438.7051	380.2111	329.5163	1893.772	711.5275	1036.939	543.1588
5988.73	3473.465	4970.781	448.2016	388.4414	336.6492	1934.765	726.9296	1059.386	554.9162
6023.63	3493.705	4999.746	450.8133	390.7048	338.6109	1946.039	731.1655	1065.559	558.1498
6213.28	3603.699	5157.156	465.0065	403.0057	349.2716	2007.308	754.1853	1099.106	575.7224
6368.92	3693.971	5286.341	476.6548	413.1008	358.0207	2057.59	773.0774	1126.639	590.144
6382.12	3701.631	5297.304	477.6433	413.9575	358.7632	2061.857	774.6806	1128.975	591.3679



7220.55	4187.918	5993.215	540.3917	468.3394	405.8942	2332.725	876.451	1277.289	669.0563
7227.7	4192.064	5999.149	540.9267	468.8032	406.2961	2335.035	877.3188	1278.554	669.7188
7456.97	4325.042	6189.449	558.0856	483.6742	419.1843	2409.105	905.1484	1319.111	690.9631
7483.73	4340.565	6211.664	560.0886	485.4101	420.6888	2417.752	908.3971	1323.846	693.443
7894.59	4578.863	6552.686	590.8376	512.0593	443.7847	2550.487	958.2683	1396.525	731.5132
8036.9	4661.401	6670.804	601.488	521.2896	451.7843	2596.462	975.5419	1421.699	744.6994
8050.73	4669.423	6682.285	602.5232	522.1868	452.5619	2600.93	977.2209	1424.146	745.9811

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14.90%    17.95%    17.43%



