

Estimation of Beta-Decay Properties

Beta-decay half-lives, average beta-ray energies, average gamma-ray energies, and delayed neutron emission probabilities are estimated by using the gross theory of nuclear beta decay.[1] Even-even nuclei with $Q > 0.25\text{MeV}$, odd-A nuclei with $Q > 1\text{MeV}$, and odd-odd nuclei with $Q > 1.75\text{MeV}$, where Q indicates beta-decay Q -value, are listed. The average beta- and gamma-ray energies are calculated for beta-minus decay. The Q -values used in the calculation are obtained from KTUY mass formula.[2]

Z : proton number
 N : neutron number
 A : mass number
 M : beta-minus decay nucleus
 P : beta-plus decay and electron capture nucleus
 Beta-Life: beta-decay half-life
 E-beta : average beta-ray energy
 E-gamma : average gamma-ray energy
 Pn : delayed neutron emission probability

References

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- [2] H.Koura, T.Tachibana, M.Uno and M.Yamada, RIKEN Accel Prog. 36 (2003) 9.
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Decay	Z	N	A	Beta-Life (sec)	E-Beta (MeV)	E-Gamma (MeV)	Pn (%)
M	3	5	8	4.3290E-01	5.329	2.437	
M	3	6	9	9.0990E-02	5.075	1.659	15.44
M	3	8	11	5.2330E-03	7.196	6.019	62.27
P	4	3	7	2.6420E+08			
M	4	6	10	9.8740E+02	0.329	0.250	
M	4	7	11	2.3460E-01	4.536	1.583	0.00
M	4	8	12	4.1080E-02	4.674	1.155	16.22
M	4	10	14	5.2740E-03	6.644	2.841	49.25
P	5	3	8	2.5780E-01			
P	5	4	9	3.5440E+07			
M	5	7	12	7.7390E-01	4.505	3.120	
M	5	8	13	1.9030E-01	4.831	1.938	10.80
M	5	9	14	4.1040E-02	6.242	6.622	11.09
M	5	10	15	1.3650E-02	6.697	4.974	60.95
M	5	12	17	3.1630E-03	8.014	6.802	74.56
M	5	14	19	1.0030E-03	9.329	8.441	100.00

P	6	3	9	4.5200E-02			
P	6	4	10	5.9160E+00			
P	6	5	11	9.7400E+05			
M	6	9	15	1.0870E+00	3.488	1.346	
M	6	10	16	2.8230E-01	3.341	0.712	1.93
M	6	11	17	9.2100E-02	4.763	3.349	30.58
M	6	12	18	2.4560E-02	5.249	1.838	23.45
M	6	13	19	1.3300E-02	6.030	5.388	62.36
M	6	14	20	4.5340E-03	7.053	3.117	48.44
M	6	16	22	1.1790E-03	8.903	4.380	69.75
P	7	4	11	8.9970E-02			
P	7	5	12	1.6400E-01			
P	7	6	13	1.1480E+05			
M	7	9	16	4.6210E+00	3.360	2.136	
M	7	10	17	1.7660E+00	3.166	1.311	0.58
M	7	11	18	3.6950E-01	4.317	4.755	2.44
M	7	12	19	1.1840E-01	4.777	2.981	28.70
M	7	13	20	4.7960E-02	5.631	6.483	23.40
M	7	14	21	1.6940E-02	6.106	4.957	58.39
M	7	15	22	7.9800E-03	7.050	8.522	66.23
M	7	16	23	3.3340E-03	7.795	6.556	79.64
P	8	4	12	1.4000E-02			
P	8	5	13	4.6270E-02			
P	8	6	14	4.5950E+00			
P	8	7	15	1.7720E+03			
M	8	11	19	4.2030E+01	1.504	1.077	
M	8	12	20	2.3390E+01	1.232	0.280	
M	8	13	21	1.4790E+00	3.094	1.562	
M	8	14	22	4.1370E-01	2.979	0.834	0.20
M	8	15	23	9.9450E-02	4.395	3.591	9.88
M	8	16	24	2.9600E-02	4.972	1.926	24.84
M	8	18	26	5.3480E-03	6.798	3.018	65.14
P	9	6	15	1.3960E-01			
P	9	7	16	2.3960E-01			
P	9	8	17	1.8440E+03			
P	9	9	18	2.7440E+08			
M	9	11	20	5.1510E+01	1.962	1.750	
M	9	12	21	3.7310E+01	1.578	1.103	
M	9	13	22	3.8900E+00	3.054	3.202	
M	9	14	23	1.3110E+00	3.217	1.603	3.92
M	9	15	24	2.3470E-01	4.372	5.076	4.54
M	9	16	25	7.5210E-02	4.820	3.655	44.33
M	9	17	26	2.8330E-02	5.824	6.933	41.66
M	9	18	27	1.1720E-02	6.328	5.213	73.46
M	9	20	29	3.6310E-03	7.514	6.283	85.79
M	9	22	31	1.5630E-03	8.462	7.215	100.00
P	10	6	16	3.1000E-02			
P	10	7	17	1.1020E-01			
P	10	8	18	1.0200E+01			
P	10	9	19	3.7910E+02			

M	10	13	23	2.8750E+02	0.962	1.047	
M	10	14	24	3.4580E+02	0.644	0.254	
M	10	15	25	2.2710E+00	2.911	1.566	
M	10	16	26	5.2260E-01	2.960	0.868	0.12
M	10	17	27	1.3440E-01	4.273	3.427	8.61
M	10	18	28	4.7390E-02	4.687	1.721	19.85
M	10	19	29	2.5530E-02	5.417	4.638	63.92
M	10	20	30	1.0650E-02	6.111	2.504	41.53
M	10	21	31	6.5290E-03	6.715	5.597	76.49
M	10	22	32	3.7450E-03	7.266	3.206	70.57
M	10	24	34	1.6990E-03	8.218	3.972	78.61
P	11	7	18	3.4700E-02			
P	11	8	19	4.3530E-01			
P	11	9	20	4.4970E-01			
P	11	10	21	2.6880E+02			
P	11	11	22	5.4610E+06			
M	11	13	24	3.6300E+02	1.198	1.750	
M	11	14	25	5.7870E+02	0.807	1.040	
M	11	15	26	5.6190E+00	2.795	3.256	
M	11	16	27	1.4330E+00	3.189	1.733	0.59
M	11	17	28	2.8960E-01	4.245	4.910	5.73
M	11	18	29	1.1760E-01	4.494	3.393	43.77
M	11	19	30	5.1530E-02	5.327	6.256	33.37
M	11	20	31	2.2930E-02	5.680	4.590	65.47
M	11	21	32	1.1150E-02	6.545	7.582	56.62
M	11	22	33	6.3180E-03	6.900	5.573	81.37
M	11	23	34	4.8210E-03	7.262	8.372	95.07
M	11	24	35	2.7090E-03	7.783	6.372	88.12
M	11	26	37	1.3180E-03	8.640	7.174	92.54
P	12	7	19	1.0510E-02			
P	12	8	20	1.2310E-01			
P	12	9	21	2.7970E-01			
P	12	10	22	5.8160E+00			
P	12	11	23	8.4540E+01			
M	12	15	27	3.6730E+02	0.934	1.051	
M	12	16	28	1.3380E+02	0.877	0.290	
M	12	17	29	2.8030E+00	2.808	1.612	
M	12	18	30	1.0220E+00	2.614	0.786	0.01
M	12	19	31	2.7970E-01	3.808	2.989	1.82
M	12	20	32	1.0250E-01	4.072	1.440	5.59
M	12	21	33	3.9330E-02	5.079	4.258	21.35
M	12	22	34	1.8700E-02	5.555	2.169	28.76
M	12	23	35	1.3050E-02	5.993	4.945	45.04
M	12	24	36	6.7840E-03	6.577	2.725	43.63
M	12	25	37	4.8320E-03	6.974	5.653	80.17
M	12	26	38	2.5910E-03	7.704	3.487	62.40
M	12	27	39	1.9740E-03	8.016	6.464	86.66
M	12	28	40	1.2180E-03	8.693	4.261	75.47
P	13	8	21	4.2780E-02			
P	13	9	22	8.6690E-02			
P	13	10	23	4.2210E-01			
P	13	11	24	3.5780E-01			

P	13	12	25	4.7660E+01			
P	13	13	26	1.6540E+04			
M	13	15	28	5.2640E+02	1.140	1.750	
M	13	16	29	2.6100E+02	1.027	1.060	
M	13	17	30	7.5580E+00	2.583	3.278	
M	13	18	31	3.0950E+00	2.776	1.538	0.16
M	13	19	32	7.2610E-01	3.617	4.359	1.75
M	13	20	33	2.8780E-01	3.874	2.859	12.02
M	13	21	34	8.0340E-02	4.951	5.806	23.64
M	13	22	35	4.1260E-02	5.135	4.134	60.97
M	13	23	36	2.5580E-02	5.718	6.701	47.79
M	13	24	37	1.3450E-02	6.058	4.873	71.25
M	13	25	38	9.1960E-03	6.547	7.526	60.77
M	13	26	39	5.1310E-03	6.981	5.631	81.18
M	13	27	40	3.7380E-03	7.392	8.396	73.73
M	13	28	41	2.1960E-03	7.931	6.446	87.00
M	13	29	42	1.4600E-03	8.497	9.426	89.54
M	13	30	43	9.8880E-04	8.989	7.335	94.62
P	14	8	22	1.3360E-02			
P	14	9	23	3.0920E-02			
P	14	10	24	1.3080E-01			
P	14	11	25	2.8050E-01			
P	14	12	26	3.2230E+00			
P	14	13	27	1.9500E+01			
M	14	17	31	1.9150E+05	0.153	1.002	
M	14	19	33	5.2560E+01	1.505	1.118	
M	14	20	34	3.0710E+01	1.224	0.405	
M	14	21	35	1.3750E+00	2.965	2.125	
M	14	22	36	5.4300E-01	2.908	0.976	0.56
M	14	23	37	2.2910E-01	3.753	3.182	4.74
M	14	24	38	1.0160E-01	3.985	1.480	7.76
M	14	25	39	5.9520E-02	4.566	3.967	19.59
M	14	26	40	2.8900E-02	4.986	1.985	18.81
M	14	27	41	1.9890E-02	5.408	4.588	36.63
M	14	28	42	1.0660E-02	5.910	2.471	33.91
M	14	29	43	5.6470E-03	6.644	5.413	55.26
M	14	30	44	3.5200E-03	7.147	3.245	67.93
M	14	32	46	1.9500E-03	7.830	3.798	80.14
P	15	10	25	3.6770E-02			
P	15	11	26	6.3490E-02			
P	15	12	27	2.1850E-01			
P	15	13	28	1.6510E-01			
P	15	14	29	1.6740E+01			
P	15	15	30	2.0350E+03			
M	15	17	32	5.9420E+05	0.136	1.750	
M	15	19	34	2.7650E+02	1.568	1.791	
M	15	20	35	1.1070E+02	1.243	1.089	
M	15	21	36	4.1370E+00	2.636	3.630	
M	15	22	37	1.9490E+00	2.859	1.851	2.23
M	15	23	38	5.5750E-01	3.625	4.446	5.60
M	15	24	39	2.4420E-01	3.800	3.037	18.86
M	15	25	40	1.1840E-01	4.471	5.440	24.66
M	15	26	41	6.3870E-02	4.603	3.843	58.36

M	15	27	42	4.0700E-02	5.125	6.208	42.41
M	15	28	43	2.2650E-02	5.371	4.465	68.09
M	15	29	44	1.0260E-02	6.249	7.253	59.85
M	15	30	45	6.0990E-03	6.614	5.395	83.93
M	15	31	46	4.7190E-03	6.941	7.964	86.36
M	15	32	47	3.0500E-03	7.331	6.014	90.56
M	15	34	49	1.5220E-03	8.167	6.712	100.00
P	16	10	26	1.2030E-02			
P	16	11	27	2.2250E-02			
P	16	12	28	6.7150E-02			
P	16	13	29	1.2700E-01			
P	16	14	30	1.6950E+00			
P	16	15	31	9.6100E+00			
M	16	21	37	1.9460E+02	1.100	1.072	
M	16	22	38	1.9930E+02	0.779	0.331	
M	16	23	39	8.0290E+00	2.220	1.438	
M	16	24	40	2.7800E+00	2.063	0.688	
M	16	25	41	6.7810E-01	3.142	2.610	0.05
M	16	26	42	3.0000E-01	3.217	1.149	0.81
M	16	27	43	1.6330E-01	3.835	3.381	4.80
M	16	28	44	7.8340E-02	4.117	1.575	6.54
M	16	29	45	2.8030E-02	5.111	4.290	17.65
M	16	30	46	1.5180E-02	5.558	2.234	31.80
M	16	31	47	1.0920E-02	5.916	4.842	54.29
M	16	32	48	6.3160E-03	6.429	2.774	49.54
M	16	34	50	2.6840E-03	7.413	3.469	75.38
M	16	36	52	1.4800E-03	8.150	4.046	86.53
P	17	12	29	2.3990E-02			
P	17	13	30	4.1450E-02			
P	17	14	31	2.2430E-01			
P	17	15	32	2.0380E-01			
P	17	16	33	8.0150E+00			
P	17	17	34	3.2250E+02			
M	17	21	38	6.6870E+02	1.294	1.758	
M	17	22	39	4.2030E+02	0.894	1.053	
M	17	23	40	2.5500E+01	1.947	2.968	
M	17	24	41	1.1030E+01	2.101	1.308	
M	17	25	42	1.8630E+00	2.928	3.867	0.01
M	17	26	43	7.7820E-01	3.143	2.427	3.18
M	17	27	44	3.2060E-01	3.813	4.723	13.14
M	17	28	45	1.7500E-01	3.868	3.254	21.03
M	17	29	46	4.9620E-02	4.955	5.946	35.88
M	17	30	47	2.6650E-02	5.217	4.283	69.28
M	17	31	48	1.7490E-02	5.715	6.678	57.88
M	17	32	49	1.0280E-02	6.026	4.909	80.12
M	17	33	50	6.4440E-03	6.579	7.529	73.58
M	17	34	51	4.0020E-03	6.985	5.676	90.19
M	17	35	52	3.3050E-03	7.229	8.155	97.78
M	17	36	53	2.2210E-03	7.636	6.225	93.54
M	17	38	55	1.3020E-03	8.285	6.768	100.00
P	18	12	30	1.0430E-02			
P	18	13	31	1.9090E-02			

P	18	14	32	9.0470E-02			
P	18	15	33	1.9150E-01			
P	18	16	34	1.0580E+00			
P	18	17	35	4.8940E+00			
M	18	23	41	7.8330E+03	0.400	1.015	
M	18	24	42	1.7380E+05	0.107	0.252	
M	18	25	43	5.4790E+01	1.490	1.128	
M	18	26	44	2.2020E+01	1.297	0.471	
M	18	27	45	2.6820E+00	2.526	1.979	
M	18	28	46	1.0400E+00	2.491	0.866	
M	18	29	47	1.7640E-01	3.781	3.317	0.85
M	18	30	48	8.5340E-02	4.067	1.520	7.92
M	18	31	49	5.0270E-02	4.602	3.914	19.24
M	18	32	50	2.5630E-02	5.034	1.958	21.71
M	18	33	51	1.4070E-02	5.651	4.601	39.86
M	18	34	52	8.7190E-03	6.055	2.541	47.09
M	18	35	53	7.0850E-03	6.269	5.069	83.10
M	18	36	54	4.6850E-03	6.684	2.998	60.55
M	18	38	56	2.4410E-03	7.431	3.554	71.62
M	18	40	58	1.4120E-03	8.104	4.072	82.70
M	18	42	60	8.9610E-04	8.696	4.562	100.00

P	19	14	33	3.8590E-02			
P	19	15	34	7.0240E-02			
P	19	16	35	2.0790E-01			
P	19	17	36	1.6190E-01			
P	19	18	37	3.9850E+00			
P	19	19	38	1.1740E+02			
P	19	21	40	5.0840E+07			
M	19	23	42	9.8180E+03	0.628	1.750	
M	19	24	43	1.5370E+04	0.325	1.008	
M	19	25	44	1.3070E+02	1.549	2.384	
M	19	26	45	5.2530E+01	1.493	1.127	
M	19	27	46	7.0200E+00	2.275	3.428	
M	19	28	47	3.1880E+00	2.505	1.803	0.00
M	19	29	48	3.4410E-01	3.742	4.644	1.14
M	19	30	49	1.8120E-01	3.820	3.226	26.74
M	19	31	50	9.4400E-02	4.452	5.428	33.04
M	19	32	51	5.1420E-02	4.632	3.858	64.55
M	19	33	52	2.3820E-02	5.405	6.338	52.08
M	19	34	53	1.4690E-02	5.635	4.598	78.77
M	19	35	54	1.1340E-02	5.966	6.921	70.46
M	19	36	55	7.5800E-03	6.216	5.077	85.11
M	19	37	56	6.0230E-03	6.506	7.460	78.85
M	19	38	57	3.9930E-03	6.857	5.605	89.05
M	19	39	58	3.1840E-03	7.134	8.053	90.64
M	19	40	59	2.2060E-03	7.512	6.147	92.65
M	19	42	61	1.2670E-03	8.197	6.701	100.00
M	19	44	63	9.1340E-04	8.585	7.042	100.00
M	19	46	65	6.5450E-04	9.009	7.415	100.00

P	20	14	34	1.7990E-02			
P	20	15	35	3.3800E-02			
P	20	16	36	9.4000E-02			
P	20	17	37	1.5250E-01			

P	20	18	38	5.8430E-01			
P	20	19	39	2.5580E+00			
M	20	27	47	3.8250E+03	0.480	1.021	
M	20	28	48	3.6270E+04	0.169	0.260	
M	20	29	49	1.0180E+01	2.032	1.503	
M	20	30	50	3.6790E+00	1.902	0.663	
M	20	31	51	1.1260E+00	2.766	2.445	0.05
M	20	32	52	5.1490E-01	2.827	1.013	0.59
M	20	33	53	1.7490E-01	3.677	3.291	6.46
M	20	34	54	7.9200E-02	4.042	1.522	11.61
M	20	35	55	4.6830E-02	4.547	3.882	26.41
M	20	36	56	2.6610E-02	4.899	1.927	25.46
M	20	37	57	1.9340E-02	5.222	4.342	40.02
M	20	38	58	1.2320E-02	5.565	2.324	41.17
M	20	39	59	1.0030E-02	5.770	4.748	58.65
M	20	40	60	6.7450E-03	6.131	2.722	51.40
M	20	42	62	3.0020E-03	7.031	3.352	68.84
M	20	44	64	1.7420E-03	7.678	3.843	76.72
M	20	46	66	1.1680E-03	8.163	4.240	82.99
M	20	48	68	8.7560E-04	8.502	4.543	90.15
M	20	50	70	6.7070E-04	8.823	4.842	100.00

P	21	15	36	1.3220E-02			
P	21	16	37	3.2580E-02			
P	21	17	38	5.1340E-02			
P	21	18	39	1.2070E-01			
P	21	19	40	8.6490E-02			
P	21	20	41	3.0090E+00			
P	21	21	42	5.9180E+01			
P	21	22	43	2.0450E+05			
P	21	23	44	9.7040E+04			
M	21	25	46	5.3230E+07	0.039	1.750	
M	21	27	48	3.4120E+03	0.850	1.750	
M	21	28	49	4.3080E+03	0.459	1.020	
M	21	29	50	1.8940E+01	1.879	3.153	
M	21	30	51	8.6630E+00	2.108	1.486	0.00
M	21	31	52	1.8480E+00	2.829	3.781	0.15
M	21	32	53	1.0060E+00	2.871	2.397	6.74
M	21	33	54	3.2280E-01	3.658	4.621	19.25
M	21	34	55	1.7370E-01	3.734	3.224	55.67
M	21	35	56	8.0930E-02	4.427	5.427	38.23
M	21	36	57	4.3550E-02	4.642	3.897	68.81
M	21	37	58	2.8000E-02	5.129	6.117	54.68
M	21	38	59	1.8040E-02	5.305	4.418	78.02
M	21	39	60	1.3360E-02	5.665	6.687	67.42
M	21	40	61	8.8260E-03	5.920	4.910	84.50
M	21	41	62	6.4120E-03	6.300	7.294	76.49
M	21	42	63	4.2890E-03	6.639	5.477	89.46
M	21	43	64	3.4930E-03	6.894	7.828	84.54
M	21	44	65	2.3680E-03	7.295	5.995	91.86
M	21	45	66	1.9970E-03	7.508	8.351	93.14
M	21	46	67	1.4320E-03	7.895	6.474	94.77
M	21	47	68	1.2960E-03	8.008	8.774	98.95
M	21	48	69	1.0090E-03	8.315	6.826	96.34
M	21	50	71	7.2990E-04	8.720	7.173	96.88

M	21	52	73	5.3610E-04	9.123	7.527	100.00
P	22	15	37	6.9910E-03			
P	22	16	38	1.6490E-02			
P	22	17	39	2.7350E-02			
P	22	18	40	6.5350E-02			
P	22	19	41	9.5790E-02			
P	22	20	42	4.3430E-01			
P	22	21	43	2.1180E+00			
P	22	22	44	2.6500E+05			
P	22	23	45	2.0470E+05			
M	22	29	51	8.1640E+02	0.751	1.042	
M	22	30	52	1.1230E+03	0.476	0.300	
M	22	31	53	1.8870E+01	1.812	1.364	
M	22	32	54	8.7800E+00	1.567	0.560	
M	22	33	55	1.6810E+00	2.572	2.293	0.00
M	22	34	56	7.1610E-01	2.641	0.936	0.08
M	22	35	57	3.2270E-01	3.290	2.999	1.81
M	22	36	58	1.4860E-01	3.564	1.312	3.88
M	22	37	59	7.9320E-02	4.122	3.585	11.83
M	22	38	60	4.1900E-02	4.475	1.712	13.96
M	22	39	61	2.9060E-02	4.831	4.062	26.37
M	22	40	62	1.7190E-02	5.210	2.129	26.50
M	22	41	63	1.2470E-02	5.527	4.561	42.37
M	22	42	64	7.6940E-03	5.966	2.628	41.41
M	22	43	65	6.3910E-03	6.147	5.023	59.62
M	22	44	66	4.4890E-03	6.507	3.020	53.42
M	22	45	67	3.7210E-03	6.695	5.435	68.10
M	22	46	68	2.5280E-03	7.149	3.491	63.65
M	22	47	69	2.2000E-03	7.281	5.876	90.76
M	22	48	70	1.6240E-03	7.669	3.893	73.68
M	22	49	71	1.5000E-03	7.719	6.217	92.48
M	22	50	72	1.1300E-03	8.106	4.250	77.36
M	22	52	74	6.9680E-04	8.767	4.784	100.00
P	23	16	39	8.9750E-03			
P	23	17	40	1.4030E-02			
P	23	18	41	3.2080E-02			
P	23	19	42	4.5660E-02			
P	23	20	43	1.3440E-01			
P	23	21	44	1.0180E-01			
P	23	22	45	1.6960E+00			
P	23	23	46	3.5840E+01			
P	23	24	47	5.9020E+04			
P	23	25	48	1.2070E+04			
P	23	27	50	6.1600E+06			
M	23	29	52	1.5240E+03	1.051	1.810	
M	23	30	53	7.6810E+02	0.755	1.043	
M	23	31	54	3.1000E+01	1.696	3.028	
M	23	32	55	1.6980E+01	1.854	1.340	
M	23	33	56	3.5860E+00	2.497	3.525	0.00
M	23	34	57	1.7830E+00	2.593	2.173	1.17
M	23	35	58	5.9170E-01	3.303	4.251	3.20
M	23	36	59	3.2210E-01	3.337	2.926	16.09
M	23	37	60	1.6220E-01	3.940	4.954	29.87

M	23	38	61	9.0370E-02	4.056	3.502	38.04
M	23	39	62	5.5300E-02	4.566	5.588	44.71
M	23	40	63	3.3750E-02	4.723	4.001	72.54
M	23	41	64	2.4190E-02	5.110	6.156	57.81
M	23	42	65	1.4300E-02	5.403	4.527	80.07
M	23	43	66	9.9900E-03	5.811	6.841	69.90
M	23	44	67	6.6660E-03	6.103	5.074	85.49
M	23	45	68	5.5120E-03	6.341	7.327	78.86
M	23	46	69	3.8000E-03	6.669	5.517	89.79
M	23	47	70	3.2370E-03	6.869	7.785	84.98
M	23	48	71	2.2980E-03	7.220	5.948	92.00
M	23	49	72	2.1410E-03	7.302	8.150	92.93
M	23	50	73	1.6210E-03	7.606	6.260	93.17
M	23	52	75	8.7120E-04	8.429	6.907	100.00

P	24	16	40	4.8860E-03			
P	24	17	41	7.7300E-03			
P	24	18	42	1.7530E-02			
P	24	19	43	2.5640E-02			
P	24	20	44	7.4010E-02			
P	24	21	45	9.1570E-02			
P	24	22	46	2.6270E-01			
P	24	23	47	1.2660E+00			
P	24	24	48	4.4330E+04			
P	24	25	49	1.6220E+04			
M	24	31	55	2.0180E+03	0.585	1.029	
M	24	32	56	5.0020E+03	0.310	0.270	
M	24	33	57	5.3240E+01	1.474	1.179	
M	24	34	58	3.6270E+01	1.123	0.439	
M	24	35	59	5.4840E+00	2.120	1.841	
M	24	36	60	2.1510E+00	2.084	0.734	
M	24	37	61	8.2800E-01	2.781	2.603	0.07
M	24	38	62	4.0600E-01	2.899	1.043	0.44
M	24	39	63	2.2150E-01	3.414	3.120	2.97
M	24	40	64	1.1600E-01	3.658	1.355	4.52
M	24	41	65	7.7480E-02	4.034	3.546	10.91
M	24	42	66	4.5930E-02	4.306	1.665	10.67
M	24	43	67	3.1120E-02	4.667	3.978	22.08
M	24	44	68	1.7230E-02	5.107	2.129	23.36
M	24	45	69	1.1570E-02	5.494	4.566	36.88
M	24	46	70	7.1430E-03	5.942	2.679	40.29
M	24	47	71	6.0690E-03	6.098	5.009	58.70
M	24	48	72	4.1170E-03	6.505	3.080	53.23
M	24	49	73	3.7990E-03	6.564	5.356	67.93
M	24	50	74	2.8000E-03	6.908	3.384	58.36
M	24	52	76	1.3250E-03	7.850	4.077	86.26
M	24	54	78	9.3100E-04	8.290	4.434	90.24

P	25	18	43	9.8680E-03			
P	25	19	44	1.3850E-02			
P	25	20	45	3.7110E-02			
P	25	21	46	4.5530E-02			
P	25	22	47	8.7740E-02			
P	25	23	48	6.9620E-02			
P	25	24	49	1.1660E+00			

P	25	25	50	2.1970E+01			
P	25	26	51	2.0500E+03			
P	25	27	52	1.1550E+03			
M	25	31	56	3.5300E+03	0.866	1.759	
M	25	32	57	2.2390E+03	0.560	1.028	
M	25	33	58	7.5780E+01	1.430	2.812	
M	25	34	59	5.4680E+01	1.455	1.155	
M	25	35	60	9.8950E+00	2.039	3.242	
M	25	36	61	5.8310E+00	2.131	1.737	0.01
M	25	37	62	1.5660E+00	2.805	3.772	0.17
M	25	38	63	8.1220E-01	2.831	2.539	3.90
M	25	39	64	3.7570E-01	3.435	4.438	7.01
M	25	40	65	2.2900E-01	3.429	3.060	19.38
M	25	41	66	1.3200E-01	3.955	4.995	21.33
M	25	42	67	8.2290E-02	4.016	3.509	32.54
M	25	43	68	5.4530E-02	4.457	5.525	46.41
M	25	44	69	3.6320E-02	4.556	3.921	48.62
M	25	45	70	2.4180E-02	4.990	6.084	58.28
M	25	46	71	1.3220E-02	5.367	4.538	80.79
M	25	47	72	9.0360E-03	5.791	6.839	70.62
M	25	48	73	5.9360E-03	6.119	5.110	86.59
M	25	49	74	5.3870E-03	6.251	7.248	78.76
M	25	50	75	3.9970E-03	6.497	5.407	88.71
M	25	51	76	2.1890E-03	7.240	8.064	84.03
M	25	52	77	1.7090E-03	7.502	6.162	95.63
M	25	53	78	1.5610E-03	7.606	8.366	99.08
M	25	54	79	1.1980E-03	7.920	6.495	96.67
M	25	56	81	8.1180E-04	8.418	6.894	100.00
P	26	18	44	5.4190E-03			
P	26	19	45	8.1130E-03			
P	26	20	46	2.1560E-02			
P	26	21	47	2.8350E-02			
P	26	22	48	5.3370E-02			
P	26	23	49	6.7110E-02			
P	26	24	50	1.6330E-01			
P	26	25	51	8.4820E-01			
P	26	26	52	2.3260E+03			
P	26	27	53	5.3980E+02			
M	26	33	59	9.6470E+03	0.368	1.015	
M	26	34	60	7.1840E+05	0.062	0.252	
M	26	35	61	1.6180E+02	1.136	1.088	
M	26	36	62	1.6960E+02	0.759	0.355	
M	26	37	63	1.6570E+01	1.760	1.492	
M	26	38	64	6.3150E+00	1.637	0.590	
M	26	39	65	1.6110E+00	2.467	2.346	
M	26	40	66	6.6980E-01	2.602	0.927	0.01
M	26	41	67	3.2310E-01	3.169	2.945	0.56
M	26	42	68	1.9130E-01	3.296	1.201	1.43
M	26	43	69	1.2740E-01	3.666	3.300	4.45
M	26	44	70	7.9960E-02	3.849	1.452	5.36
M	26	45	71	5.8600E-02	4.140	3.629	10.88
M	26	46	72	3.8030E-02	4.373	1.737	10.16
M	26	47	73	2.5840E-02	4.723	4.042	18.75
M	26	48	74	1.4040E-02	5.207	2.246	22.02

M	26	49	75	1.0430E-02	5.494	4.593	31.59
M	26	50	76	7.4330E-03	5.796	2.643	34.49
M	26	51	77	3.6570E-03	6.577	5.364	51.29
M	26	52	78	2.7820E-03	6.884	3.389	71.68
M	26	53	79	2.5470E-03	6.954	5.644	91.58
M	26	54	80	2.0030E-03	7.240	3.662	76.95
M	26	56	82	1.3290E-03	7.731	4.039	84.11
M	26	58	84	9.7210E-04	8.109	4.344	91.98
P	27	19	46	4.8780E-03			
P	27	20	47	1.2560E-02			
P	27	21	48	1.6370E-02			
P	27	22	49	2.9100E-02			
P	27	23	50	3.7320E-02			
P	27	24	51	6.7430E-02			
P	27	25	52	5.6940E-02			
P	27	26	53	7.0120E-01			
P	27	27	54	6.0890E+00			
P	27	28	55	2.3180E+04			
P	27	29	56	1.2520E+04			
P	27	31	58	3.5390E+09			
M	27	33	60	9.6330E+03	0.659	1.750	
M	27	34	61	2.0220E+04	0.289	1.008	
M	27	35	62	2.7910E+02	1.151	2.491	
M	27	36	63	1.6040E+02	1.124	1.085	
M	27	37	64	2.0470E+01	1.747	3.079	
M	27	38	65	1.3260E+01	1.844	1.494	
M	27	39	66	3.0010E+00	2.491	3.499	
M	27	40	67	1.5140E+00	2.528	2.295	0.33
M	27	41	68	4.8000E-01	3.274	4.267	1.51
M	27	42	69	3.2090E-01	3.202	2.901	10.58
M	27	43	70	1.8710E-01	3.710	4.747	11.85
M	27	44	71	1.2280E-01	3.708	3.299	22.24
M	27	45	72	7.8850E-02	4.164	5.245	23.32
M	27	46	73	5.1030E-02	4.250	3.715	35.12
M	27	47	74	3.6720E-02	4.620	5.743	37.23
M	27	48	75	2.4710E-02	4.762	4.111	45.26
M	27	49	76	1.7470E-02	5.141	6.266	62.34
M	27	50	77	1.1350E-02	5.404	4.600	61.49
M	27	51	78	4.8360E-03	6.322	7.298	75.03
M	27	52	79	3.6970E-03	6.547	5.440	91.94
M	27	53	80	3.2810E-03	6.696	7.607	92.74
M	27	54	81	2.5460E-03	6.935	5.736	94.29
M	27	55	82	2.2430E-03	7.090	7.926	99.02
M	27	56	83	1.7120E-03	7.381	6.078	95.57
M	27	57	84	1.5130E-03	7.532	8.281	99.18
M	27	58	85	1.1740E-03	7.831	6.428	97.21
P	28	19	47	2.9610E-03			
P	28	20	48	7.7770E-03			
P	28	21	49	1.0380E-02			
P	28	22	50	1.8650E-02			
P	28	23	51	2.4710E-02			
P	28	24	52	4.4630E-02			
P	28	25	53	5.8510E-02			

P	28	26	54	1.3720E-01			
P	28	27	55	5.1520E-01			
P	28	28	56	2.2430E+04			
P	28	29	57	1.1140E+04			
M	28	37	65	2.3340E+08	0.012	1.000	
M	28	39	67	1.1770E+03	0.652	1.037	
M	28	40	68	2.2480E+03	0.360	0.286	
M	28	41	69	3.2930E+01	1.518	1.341	
M	28	42	70	1.4740E+01	1.315	0.503	
M	28	43	71	4.0250E+00	2.065	2.026	
M	28	44	72	2.1190E+00	1.995	0.723	
M	28	45	73	1.0590E+00	2.515	2.501	0.02
M	28	46	74	5.6900E-01	2.588	0.945	0.09
M	28	47	75	3.4870E-01	2.994	2.888	0.86
M	28	48	76	2.0160E-01	3.145	1.172	1.30
M	28	49	77	1.4230E-01	3.455	3.215	3.95
M	28	50	78	8.8740E-02	3.643	1.406	4.73
M	28	51	79	2.4890E-02	4.658	4.028	17.07
M	28	52	80	1.5820E-02	4.998	2.171	42.60
M	28	53	81	1.2280E-02	5.235	4.439	55.88
M	28	54	82	8.7410E-03	5.526	2.522	56.79
M	28	55	83	7.5730E-03	5.659	4.743	72.92
M	28	56	84	5.5550E-03	5.953	2.817	64.25
M	28	57	85	4.7360E-03	6.106	5.063	90.39
M	28	58	86	3.4450E-03	6.444	3.163	77.79
P	29	25	54	2.1500E-02			
P	29	26	55	3.4010E-02			
P	29	27	56	2.3570E-02			
P	29	28	57	5.2090E-01			
P	29	29	58	3.7070E+00			
P	29	30	59	7.5510E+01			
P	29	31	60	1.0970E+02			
P	29	32	61	3.0140E+04			
P	29	33	62	3.1940E+04			
P	29	35	64	6.6380E+06			
M	29	37	66	2.1930E+05	0.248	1.750	
M	29	39	68	1.9760E+03	0.870	1.987	
M	29	40	69	1.3400E+03	0.618	1.035	
M	29	41	70	6.4080E+01	1.349	2.848	
M	29	42	71	3.6450E+01	1.500	1.260	
M	29	43	72	6.0210E+00	2.142	3.249	
M	29	44	73	3.4410E+00	2.154	1.994	0.05
M	29	45	74	1.3420E+00	2.726	3.739	0.28
M	29	46	75	9.0090E-01	2.621	2.490	2.94
M	29	47	76	4.9150E-01	3.127	4.188	3.74
M	29	48	77	3.4690E-01	3.026	2.847	10.64
M	29	49	78	2.2180E-01	3.471	4.584	11.65
M	29	50	79	1.5270E-01	3.432	3.173	21.10
M	29	51	80	3.9220E-02	4.463	5.644	31.90
M	29	52	81	2.5810E-02	4.624	4.052	81.86
M	29	53	82	1.8830E-02	4.971	6.144	71.36
M	29	54	83	1.2220E-02	5.230	4.503	86.33
M	29	55	84	1.0100E-02	5.463	6.588	80.10
M	29	56	85	7.5200E-03	5.653	4.818	90.94

M	29	57	86	6.2950E-03	5.870	6.934	84.59
M	29	58	87	4.4010E-03	6.172	5.198	93.56
M	29	60	89	2.5150E-03	6.772	5.640	95.34
M	29	62	91	1.4980E-03	7.378	6.094	96.74
M	29	64	93	1.0780E-03	7.766	6.396	100.00
M	29	66	95	7.9080E-04	8.147	6.699	100.00
M	29	68	97	5.9460E-04	8.510	6.996	100.00
P	30	24	54	1.1260E-02			
P	30	25	55	1.4310E-02			
P	30	26	56	2.3080E-02			
P	30	27	57	2.7200E-02			
P	30	28	58	1.2120E-01			
P	30	29	59	4.0740E-01			
P	30	30	60	4.9300E+01			
P	30	31	61	5.5380E+01			
P	30	32	62	1.3450E+04			
P	30	33	63	1.4110E+04			
M	30	41	71	8.8330E+03	0.359	1.015	
M	30	42	72	5.0000E+04	0.136	0.257	
M	30	43	73	1.2920E+02	1.149	1.119	
M	30	44	74	6.7910E+01	0.902	0.396	
M	30	45	75	1.0910E+01	1.746	1.702	
M	30	46	76	5.3240E+00	1.617	0.600	
M	30	47	77	2.4100E+00	2.169	2.215	
M	30	48	78	1.3490E+00	2.145	0.782	0.00
M	30	49	79	8.0890E-01	2.561	2.580	0.04
M	30	50	80	4.7650E-01	2.625	0.964	0.09
M	30	51	81	9.3090E-02	3.688	3.368	3.04
M	30	52	82	5.7610E-02	3.925	1.558	16.30
M	30	53	83	4.3610E-02	4.173	3.712	28.11
M	30	54	84	2.5340E-02	4.537	1.922	28.58
M	30	55	85	1.9360E-02	4.782	4.141	44.26
M	30	56	86	1.3280E-02	5.074	2.263	43.50
M	30	57	87	1.0590E-02	5.285	4.494	61.64
M	30	58	88	7.0380E-03	5.660	2.649	55.89
M	30	59	89	5.9360E-03	5.822	4.870	73.80
M	30	60	90	4.2390E-03	6.164	2.994	65.35
M	30	61	91	3.5790E-03	6.331	5.230	91.39
M	30	62	92	2.5550E-03	6.711	3.381	73.50
M	30	64	94	1.7040E-03	7.170	3.719	79.87
M	30	66	96	1.2190E-03	7.563	4.021	86.34
M	30	68	98	8.8090E-04	7.960	4.335	90.76
M	30	70	100	6.6530E-04	8.313	4.623	100.00
P	31	26	57	1.3290E-02			
P	31	27	58	1.6720E-02			
P	31	28	59	4.6040E-02			
P	31	29	60	4.0670E-02			
P	31	30	61	3.6820E-01			
P	31	31	62	2.2630E+00			
P	31	32	63	4.0060E+01			
P	31	33	64	6.4110E+01			
P	31	34	65	2.6650E+03			
P	31	35	66	4.2880E+03			

P	31	36	67	4.9330E+05			
P	31	37	68	6.0320E+05			
M	31	41	72	7.9660E+03	0.679	1.771	
M	31	42	73	7.3760E+03	0.371	1.016	
M	31	43	74	2.1500E+02	1.063	2.618	
M	31	44	75	1.3480E+02	1.124	1.099	
M	31	45	76	1.8820E+01	1.688	3.001	
M	31	46	77	1.1830E+01	1.754	1.590	
M	31	47	78	3.6120E+00	2.295	3.344	0.00
M	31	48	79	2.7400E+00	2.161	2.089	0.22
M	31	49	80	1.2900E+00	2.673	3.710	0.33
M	31	50	81	9.1810E-01	2.538	2.475	2.03
M	31	51	82	1.3930E-01	3.671	4.822	7.51
M	31	52	83	9.0860E-02	3.706	3.390	46.73
M	31	53	84	6.4450E-02	4.078	5.288	53.30
M	31	54	85	3.8840E-02	4.255	3.807	78.59
M	31	55	86	2.8130E-02	4.603	5.827	66.44
M	31	56	87	1.9430E-02	4.767	4.188	84.64
M	31	57	88	1.4210E-02	5.109	6.292	74.44
M	31	58	89	9.5200E-03	5.373	4.626	88.43
M	31	59	90	7.7030E-03	5.623	6.729	81.48
M	31	60	91	5.6220E-03	5.860	4.977	91.55
M	31	61	92	4.8250E-03	6.048	7.074	85.35
M	31	62	93	3.5360E-03	6.321	5.312	92.88
M	31	63	94	3.0770E-03	6.491	7.426	88.73
M	31	64	95	2.3070E-03	6.775	5.646	94.87
M	31	65	96	2.0820E-03	6.900	7.748	95.06
M	31	66	97	1.6060E-03	7.178	5.949	96.17
M	31	67	98	1.4660E-03	7.286	8.052	99.33
M	31	68	99	1.1460E-03	7.571	6.250	96.91
M	31	70	101	8.4080E-04	7.947	6.545	100.00
M	31	72	103	6.3290E-04	8.304	6.832	100.00
M	31	74	105	5.0460E-04	8.587	7.067	100.00

P	32	26	58	8.5140E-03			
P	32	27	59	1.0850E-02			
P	32	28	60	3.0380E-02			
P	32	29	61	3.8000E-02			
P	32	30	62	8.8090E-02			
P	32	31	63	2.8880E-01			
P	32	32	64	1.8690E+01			
P	32	33	65	3.3690E+01			
P	32	34	66	2.4160E+03			
P	32	35	67	1.9480E+03			
P	32	37	69	5.2710E+05			
M	32	43	75	8.6290E+05	0.079	1.001	
M	32	45	77	6.3000E+02	0.760	1.048	
M	32	46	78	6.4500E+02	0.491	0.310	
M	32	47	79	3.9900E+01	1.402	1.347	
M	32	48	80	2.6880E+01	1.101	0.450	
M	32	49	81	9.1620E+00	1.734	1.782	
M	32	50	82	5.4700E+00	1.568	0.590	
M	32	51	83	4.3910E-01	2.811	2.767	0.01
M	32	52	84	2.4710E-01	2.963	1.095	2.42
M	32	53	85	1.6310E-01	3.301	3.122	6.79

M	32	54	86	8.7820E-02	3.584	1.401	8.63
M	32	55	87	6.2340E-02	3.873	3.527	19.88
M	32	56	88	4.2970E-02	4.068	1.678	18.16
M	32	57	89	3.2680E-02	4.308	3.835	31.11
M	32	58	90	2.1370E-02	4.600	2.002	29.00
M	32	59	91	1.5980E-02	4.863	4.219	44.83
M	32	60	92	1.0440E-02	5.218	2.393	40.68
M	32	61	93	8.4670E-03	5.415	4.599	57.12
M	32	62	94	6.1140E-03	5.718	2.724	55.44
M	32	63	95	5.2570E-03	5.860	4.908	67.78
M	32	64	96	3.9100E-03	6.161	3.029	64.11
M	32	65	97	3.4480E-03	6.279	5.204	74.21
M	32	66	98	2.5920E-03	6.594	3.336	71.48
M	32	67	99	2.3550E-03	6.678	5.491	92.90
M	32	68	100	1.8340E-03	6.972	3.615	75.96
M	32	70	102	1.3000E-03	7.369	3.914	81.92
M	32	72	104	9.3380E-04	7.770	4.225	86.99
M	32	74	106	7.3250E-04	8.061	4.463	92.18
M	32	76	108	5.8950E-04	8.324	4.684	100.00
M	32	78	110	4.7470E-04	8.596	4.917	100.00
P	33	28	61	1.5710E-02			
P	33	29	62	2.0500E-02			
P	33	30	63	3.4160E-02			
P	33	31	64	3.1110E-02			
P	33	32	65	2.6140E-01			
P	33	33	66	1.6950E+00			
P	33	34	67	2.4240E+01			
P	33	35	68	3.6810E+01			
P	33	36	69	7.5690E+02			
P	33	37	70	1.4080E+03			
P	33	38	71	9.7930E+04			
P	33	39	72	1.0850E+05			
P	33	41	74	1.8270E+08			
M	33	43	76	1.9370E+05	0.255	1.750	
M	33	44	77	2.5670E+07	0.024	1.000	
M	33	45	78	1.2920E+03	0.807	2.228	
M	33	46	79	6.0300E+02	0.753	1.048	
M	33	47	80	5.4470E+01	1.333	2.829	
M	33	48	81	4.6050E+01	1.376	1.253	
M	33	49	82	1.2360E+01	1.803	3.020	
M	33	50	83	1.1320E+01	1.709	1.625	
M	33	51	84	7.0760E-01	2.885	3.945	0.12
M	33	52	85	4.4690E-01	2.816	2.730	14.93
M	33	53	86	2.4710E-01	3.324	4.472	16.58
M	33	54	87	1.4100E-01	3.387	3.184	33.51
M	33	55	88	9.2130E-02	3.806	5.045	48.82
M	33	56	89	6.5990E-02	3.828	3.523	75.34
M	33	57	90	4.7720E-02	4.176	5.447	58.83
M	33	58	91	3.4320E-02	4.259	3.846	80.58
M	33	59	92	2.6530E-02	4.553	5.816	66.15
M	33	60	93	1.8620E-02	4.713	4.175	84.52
M	33	61	94	1.2950E-02	5.094	6.295	73.92
M	33	62	95	8.8070E-03	5.354	4.629	87.83
M	33	63	96	7.0680E-03	5.610	6.721	80.13

M	33	64	97	5.3430E-03	5.817	4.958	90.92
M	33	65	98	4.6430E-03	5.990	7.023	85.48
M	33	66	99	3.5220E-03	6.226	5.252	93.28
M	33	67	100	3.1550E-03	6.362	7.316	88.21
M	33	68	101	2.4420E-03	6.604	5.527	94.67
M	33	69	102	2.1780E-03	6.743	7.613	94.79
M	33	70	103	1.7040E-03	6.997	5.819	95.96
M	33	71	104	1.5560E-03	7.106	7.896	99.37
M	33	72	105	1.2230E-03	7.376	6.106	96.95
M	33	73	106	1.1400E-03	7.457	8.172	99.45
M	33	74	107	9.2830E-04	7.699	6.357	97.68
M	33	76	109	7.2810E-04	7.987	6.587	100.00
M	33	78	111	5.8800E-04	8.243	6.797	100.00
M	33	80	113	4.7820E-04	8.498	7.009	100.00
M	33	82	115	3.6770E-04	8.853	7.303	100.00
P	34	28	62	1.0350E-02			
P	34	29	63	1.3410E-02			
P	34	30	64	2.2460E-02			
P	34	31	65	2.7180E-02			
P	34	32	66	6.0260E-02			
P	34	33	67	2.1250E-01			
P	34	34	68	8.4510E+00			
P	34	35	69	1.7960E+01			
P	34	36	70	5.1380E+02			
P	34	37	71	5.6140E+02			
P	34	38	72	7.0180E+04			
P	34	39	73	5.5320E+04			
M	34	47	81	4.9190E+03	0.416	1.020	
M	34	48	82	3.0400E+04	0.150	0.258	
M	34	49	83	2.5320E+02	0.951	1.078	
M	34	50	84	3.3610E+02	0.569	0.326	
M	34	51	85	3.4990E+00	1.983	2.090	
M	34	52	86	1.8360E+00	1.965	0.716	0.00
M	34	53	87	8.7890E-01	2.459	2.524	0.11
M	34	54	88	4.0770E-01	2.649	0.973	0.51
M	34	55	89	2.4860E-01	3.024	2.951	3.31
M	34	56	90	1.6030E-01	3.154	1.207	4.38
M	34	57	91	1.1390E-01	3.436	3.249	9.77
M	34	58	92	7.4770E-02	3.621	1.457	10.21
M	34	59	93	5.8130E-02	3.841	3.536	18.52
M	34	60	94	4.1060E-02	4.025	1.693	16.54
M	34	61	95	3.1730E-02	4.249	3.820	24.14
M	34	62	96	1.9420E-02	4.602	2.041	25.99
M	34	63	97	1.4090E-02	4.890	4.256	40.72
M	34	64	98	9.6120E-03	5.211	2.425	38.87
M	34	65	99	7.9250E-03	5.392	4.597	56.04
M	34	66	100	5.8790E-03	5.668	2.726	54.29
M	34	67	101	5.2080E-03	5.779	4.864	66.98
M	34	68	102	4.0190E-03	6.036	2.978	59.97
M	34	69	103	3.5750E-03	6.143	5.120	74.85
M	34	70	104	2.7290E-03	6.435	3.259	67.07
M	34	71	105	2.4810E-03	6.519	5.388	92.90
M	34	72	106	1.9310E-03	6.807	3.530	76.64
M	34	73	107	1.7960E-03	6.865	5.640	93.99

M	34	74	108	1.4340E-03	7.136	3.778	79.66
M	34	76	110	1.0750E-03	7.468	4.034	83.32
M	34	78	112	8.2570E-04	7.782	4.283	87.90
M	34	80	114	7.1790E-04	7.925	4.410	88.83
M	34	82	116	5.7440E-04	8.197	4.636	89.70
P	35	30	65	1.3280E-02			
P	35	31	66	1.5970E-02			
P	35	32	67	2.5130E-02			
P	35	33	68	2.4800E-02			
P	35	34	69	1.9160E-01			
P	35	35	70	1.1760E+00			
P	35	36	71	1.4790E+01			
P	35	37	72	2.1190E+01			
P	35	38	73	2.7250E+02			
P	35	39	74	3.5780E+02			
P	35	40	75	1.3750E+04			
P	35	41	76	1.3330E+04			
P	35	42	77	1.1070E+06			
P	35	43	78	9.0810E+05			
M	35	47	82	1.2630E+04	0.586	1.774	
M	35	48	83	8.9530E+03	0.339	1.011	
M	35	49	84	3.4780E+02	0.911	2.539	
M	35	50	85	3.6140E+02	0.847	1.059	
M	35	51	86	4.8450E+00	2.130	3.197	
M	35	52	87	3.5880E+00	1.999	2.011	0.36
M	35	53	88	1.3590E+00	2.581	3.629	0.75
M	35	54	89	7.4490E-01	2.542	2.541	6.13
M	35	55	90	3.6180E-01	3.095	4.249	9.54
M	35	56	91	2.5440E-01	3.013	2.934	24.21
M	35	57	92	1.6450E-01	3.437	4.681	23.89
M	35	58	93	1.2190E-01	3.389	3.232	40.85
M	35	59	94	9.1660E-02	3.719	5.016	50.07
M	35	60	95	6.3480E-02	3.770	3.520	43.66
M	35	61	96	4.9250E-02	4.066	5.385	58.19
M	35	62	97	3.2320E-02	4.220	3.847	59.18
M	35	63	98	2.3620E-02	4.552	5.843	67.69
M	35	64	99	1.5130E-02	4.806	4.259	85.19
M	35	65	100	1.1550E-02	5.103	6.313	75.28
M	35	66	101	8.1670E-03	5.337	4.629	88.65
M	35	67	102	6.9840E-03	5.528	6.656	81.94
M	35	68	103	5.3210E-03	5.727	4.903	91.47
M	35	69	104	4.7720E-03	5.866	6.922	84.91
M	35	70	105	3.6730E-03	6.082	5.156	93.21
M	35	71	106	3.3110E-03	6.211	7.190	88.74
M	35	72	107	2.5590E-03	6.449	5.421	94.26
M	35	73	108	2.3390E-03	6.559	7.460	90.51
M	35	74	109	1.8740E-03	6.776	5.662	95.82
M	35	75	110	1.7720E-03	6.842	7.680	95.72
M	35	76	111	1.4230E-03	7.074	5.886	96.49
M	35	77	112	1.3360E-03	7.146	7.917	99.46
M	35	78	113	1.0580E-03	7.414	6.146	96.77
M	35	79	114	1.0150E-03	7.454	8.160	99.52
M	35	80	115	8.5020E-04	7.660	6.341	97.17
M	35	81	116	8.4490E-04	7.650	8.319	99.56

M	35	82	117	6.9710E-04	7.887	6.523	97.63
M	35	83	118	6.8240E-04	7.895	8.518	99.60
P	36	30	66	9.0330E-03			
P	36	31	67	1.1120E-02			
P	36	32	68	1.7200E-02			
P	36	33	69	2.1320E-02			
P	36	34	70	4.5060E-02			
P	36	35	71	1.5320E-01			
P	36	36	72	5.0350E+00			
P	36	37	73	1.2450E+01			
P	36	38	74	1.7940E+02			
P	36	39	75	1.9990E+02			
P	36	40	76	8.4010E+03			
P	36	41	77	8.8420E+03			
P	36	43	79	3.4350E+05			
M	36	51	87	5.3470E+01	1.291	1.307	
M	36	52	88	3.4570E+01	1.007	0.428	
M	36	53	89	9.4890E+00	1.666	1.786	
M	36	54	90	4.1840E+00	1.621	0.606	
M	36	55	91	1.5030E+00	2.210	2.347	0.00
M	36	56	92	7.9630E-01	2.281	0.836	0.05
M	36	57	93	4.2480E-01	2.712	2.752	0.78
M	36	58	94	3.3740E-01	2.688	1.009	1.55
M	36	59	95	2.4870E-01	2.949	2.935	2.66
M	36	60	96	1.4750E-01	3.136	1.229	2.67
M	36	61	97	1.1130E-01	3.374	3.240	6.71
M	36	62	98	6.6780E-02	3.628	1.497	7.42
M	36	63	99	5.1130E-02	3.853	3.573	15.56
M	36	64	100	3.1590E-02	4.155	1.803	17.08
M	36	65	101	2.4260E-02	4.384	3.931	27.02
M	36	66	102	1.5000E-02	4.750	2.163	27.19
M	36	67	103	1.2160E-02	4.941	4.304	44.65
M	36	68	104	8.5860E-03	5.237	2.471	43.34
M	36	69	105	7.6050E-03	5.346	4.578	54.98
M	36	70	106	5.6390E-03	5.623	2.727	53.25
M	36	71	107	5.1450E-03	5.702	4.821	67.47
M	36	72	108	3.9510E-03	5.963	2.960	61.68
M	36	73	109	3.5610E-03	6.056	5.068	74.08
M	36	74	110	2.7970E-03	6.311	3.204	68.91
M	36	75	111	2.6160E-03	6.363	5.286	80.01
M	36	76	112	2.0850E-03	6.615	3.425	72.30
M	36	77	113	1.9310E-03	6.679	5.516	81.53
M	36	78	114	1.5140E-03	6.966	3.686	74.54
M	36	79	115	1.4140E-03	7.021	5.769	82.53
M	36	80	116	1.1140E-03	7.320	3.954	77.90
M	36	81	117	1.0600E-03	7.350	6.018	95.05
M	36	82	118	8.4490E-04	7.648	4.210	80.91
M	36	83	119	8.0320E-04	7.680	6.273	95.60
M	36	84	120	4.8210E-04	8.422	4.805	92.02
P	37	32	69	1.0780E-02			
P	37	33	70	1.2950E-02			
P	37	34	71	1.9110E-02			
P	37	35	72	1.8770E-02			

P	37	36	73	1.4950E-01			
P	37	37	74	9.3510E-01			
P	37	38	75	9.9550E+00			
P	37	39	76	1.3470E+01			
P	37	40	77	1.1030E+02			
P	37	41	78	1.3840E+02			
P	37	42	79	2.2140E+03			
P	37	43	80	2.2470E+03			
P	37	44	81	5.2760E+04			
P	37	45	82	7.8470E+04			
P	37	47	84	2.5840E+07			
M	37	49	86	7.5410E+06	0.072	1.750	
M	37	51	88	6.3190E+01	1.256	2.766	
M	37	52	89	5.7090E+01	1.280	1.241	
M	37	53	90	1.2630E+01	1.757	2.954	
M	37	54	91	9.9250E+00	1.677	1.696	0.00
M	37	55	92	2.7760E+00	2.278	3.330	0.03
M	37	56	93	1.6890E+00	2.182	2.260	1.37
M	37	57	94	5.5960E-01	2.859	4.009	3.32
M	37	58	95	5.4770E-01	2.600	2.643	12.18
M	37	59	96	3.9080E-01	2.981	4.183	8.87
M	37	60	97	2.6050E-01	2.924	2.914	15.40
M	37	61	98	1.7410E-01	3.324	4.623	16.34
M	37	62	99	1.1220E-01	3.361	3.252	28.43
M	37	63	100	7.5060E-02	3.752	5.107	31.11
M	37	64	101	4.7500E-02	3.891	3.637	46.21
M	37	65	102	3.5370E-02	4.207	5.554	62.85
M	37	66	103	2.3750E-02	4.380	3.980	65.42
M	37	67	104	1.8590E-02	4.655	5.950	71.43
M	37	68	105	1.2530E-02	4.888	4.329	86.91
M	37	69	106	1.0500E-02	5.100	6.317	77.15
M	37	70	107	7.6970E-03	5.306	4.617	89.86
M	37	71	108	6.8970E-03	5.449	6.594	82.74
M	37	72	109	5.2630E-03	5.647	4.855	91.69
M	37	73	110	4.7250E-03	5.784	6.854	85.95
M	37	74	111	3.7200E-03	5.975	5.086	93.27
M	37	75	112	3.4620E-03	6.068	7.073	88.11
M	37	76	113	2.7410E-03	6.273	5.301	93.50
M	37	77	114	2.5430E-03	6.366	7.303	88.62
M	37	78	115	2.0070E-03	6.594	5.535	94.65
M	37	79	116	1.9000E-03	6.660	7.530	90.92
M	37	80	117	1.5100E-03	6.898	5.761	95.04
M	37	81	118	1.4160E-03	6.974	7.773	92.08
M	37	82	119	1.0930E-03	7.268	6.040	95.81
M	37	83	120	8.5370E-04	7.590	8.251	93.11
M	37	84	121	5.7940E-04	8.112	6.675	100.00
P	38	31	69	4.9840E-03			
P	38	32	70	7.5670E-03			
P	38	33	71	9.3000E-03			
P	38	34	72	1.3410E-02			
P	38	35	73	1.5880E-02			
P	38	36	74	3.5480E-02			
P	38	37	75	1.2500E-01			
P	38	38	76	3.0220E+00			

P	38	39	77	7.8320E+00			
P	38	40	78	7.3760E+01			
P	38	41	79	9.4900E+01			
P	38	42	80	2.1300E+03			
P	38	43	81	1.3580E+03			
P	38	44	82	4.2780E+04			
P	38	45	83	3.7090E+04			
M	38	51	89	2.6630E+04	0.239	1.007	
M	38	52	90	5.1650E+06	0.026	0.250	
M	38	53	91	3.3460E+02	0.867	1.066	
M	38	54	92	3.2110E+02	0.556	0.326	
M	38	55	93	3.7800E+01	1.322	1.407	
M	38	56	94	2.1750E+01	1.093	0.454	
M	38	57	95	3.8560E+00	1.859	2.058	
M	38	58	96	3.0500E+00	1.691	0.633	
M	38	59	97	1.5650E+00	2.131	2.328	0.00
M	38	60	98	9.1350E-01	2.163	0.804	0.00
M	38	61	99	5.6030E-01	2.517	2.648	0.17
M	38	62	100	3.4210E-01	2.619	1.002	0.37
M	38	63	101	2.2420E-01	2.934	2.960	1.78
M	38	64	102	1.2960E-01	3.150	1.267	2.62
M	38	65	103	8.4520E-02	3.474	3.338	7.61
M	38	66	104	4.9800E-02	3.767	1.606	10.06
M	38	67	105	3.7830E-02	3.997	3.691	20.09
M	38	68	106	2.4480E-02	4.286	1.908	21.53
M	38	69	107	1.9420E-02	4.489	4.016	34.23
M	38	70	108	1.3340E-02	4.776	2.207	34.31
M	38	71	109	1.2000E-02	4.871	4.269	45.27
M	38	72	110	8.7750E-03	5.131	2.433	43.92
M	38	73	111	7.8200E-03	5.234	4.513	56.78
M	38	74	112	5.9650E-03	5.477	2.660	51.33
M	38	75	113	5.7290E-03	5.504	4.696	62.46
M	38	76	114	4.4440E-03	5.744	2.843	54.01
M	38	77	115	4.1960E-03	5.788	4.893	62.67
M	38	78	116	3.2810E-03	6.035	3.046	59.02
M	38	79	117	3.1410E-03	6.062	5.086	70.28
M	38	80	118	2.4770E-03	6.314	3.246	62.37
M	38	81	119	2.3770E-03	6.337	5.283	71.88
M	38	82	120	1.8760E-03	6.602	3.457	65.38
M	38	84	122	8.7530E-04	7.549	4.144	100.00
P	39	34	73	8.8180E-03			
P	39	35	74	1.0130E-02			
P	39	36	75	1.5290E-02			
P	39	37	76	1.6040E-02			
P	39	38	77	1.1730E-01			
P	39	39	78	7.4040E-01			
P	39	40	79	6.4010E+00			
P	39	41	80	9.0020E+00			
P	39	42	81	6.3880E+01			
P	39	43	82	5.2610E+01			
P	39	44	83	4.4190E+02			
P	39	45	84	5.1960E+02			
P	39	46	85	1.0330E+04			
P	39	47	86	7.7060E+03			

P	39	48	87	1.2880E+05			
P	39	49	88	1.5190E+05			
M	39	51	90	3.9440E+04	0.419	1.750	
M	39	52	91	1.6160E+05	0.128	1.003	
M	39	53	92	7.4880E+02	0.757	2.415	
M	39	54	93	5.3770E+02	0.745	1.048	
M	39	55	94	5.9610E+01	1.237	2.738	
M	39	56	95	5.2090E+01	1.263	1.269	
M	39	57	96	6.6330E+00	1.939	3.045	
M	39	58	97	6.7000E+00	1.723	1.823	0.01
M	39	59	98	2.4560E+00	2.264	3.338	0.02
M	39	60	99	1.8990E+00	2.077	2.220	0.77
M	39	61	100	9.1180E-01	2.597	3.745	1.07
M	39	62	101	6.3010E-01	2.470	2.587	4.87
M	39	63	102	3.6500E-01	2.934	4.201	5.81
M	39	64	103	2.3250E-01	2.910	2.947	13.95
M	39	65	104	1.4170E-01	3.349	4.719	17.25
M	39	66	105	8.8760E-02	3.430	3.336	32.50
M	39	67	106	5.7780E-02	3.832	5.230	35.83
M	39	68	107	3.5950E-02	4.015	3.745	51.03
M	39	69	108	2.7150E-02	4.316	5.674	67.23
M	39	70	109	1.8900E-02	4.487	4.066	85.26
M	39	71	110	1.5960E-02	4.694	5.994	74.25
M	39	72	111	1.2040E-02	4.840	4.307	88.00
M	39	73	112	1.0350E-02	5.026	6.262	78.45
M	39	74	113	7.9440E-03	5.188	4.544	89.82
M	39	75	114	7.4540E-03	5.287	6.467	81.41
M	39	76	115	5.8350E-03	5.452	4.728	90.57
M	39	77	116	5.5020E-03	5.540	6.663	83.08
M	39	78	117	4.2880E-03	5.730	4.922	91.96
M	39	79	118	4.1390E-03	5.788	6.854	85.05
M	39	80	119	3.3360E-03	5.959	5.086	92.68
M	39	81	120	3.1880E-03	6.022	7.034	86.99
M	39	82	121	2.5100E-03	6.236	5.285	93.41
M	39	84	123	1.1070E-03	7.201	5.981	100.00
P	40	34	74	6.5720E-03			
P	40	35	75	7.6860E-03			
P	40	36	76	1.0960E-02			
P	40	37	77	1.3030E-02			
P	40	38	78	2.7180E-02			
P	40	39	79	9.6520E-02			
P	40	40	80	2.1320E+00			
P	40	41	81	4.9940E+00			
P	40	42	82	3.2060E+01			
P	40	43	83	3.6900E+01			
P	40	44	84	2.6670E+02			
P	40	45	85	3.2630E+02			
P	40	46	86	6.1440E+03			
P	40	47	87	3.6800E+03			
P	40	48	88	9.9110E+04			
P	40	49	89	4.8520E+04			
M	40	55	95	3.6090E+03	0.434	1.022	
M	40	56	96	1.6740E+04	0.167	0.260	
M	40	57	97	1.3020E+02	1.046	1.162	

M	40	58	98	1.0230E+02	0.730	0.364	
M	40	59	99	2.0610E+01	1.405	1.579	
M	40	60	100	1.2150E+01	1.218	0.491	
M	40	61	101	5.0400E+00	1.726	1.980	
M	40	62	102	2.8390E+00	1.673	0.634	
M	40	63	103	1.5980E+00	2.063	2.317	0.00
M	40	64	104	8.6470E-01	2.135	0.809	0.00
M	40	65	105	4.7540E-01	2.526	2.693	0.20
M	40	66	106	2.6250E-01	2.703	1.065	0.50
M	40	67	107	1.6360E-01	3.039	3.064	2.53
M	40	68	108	7.9820E-02	3.398	1.426	4.06
M	40	69	109	5.5980E-02	3.677	3.495	13.46
M	40	70	110	3.5830E-02	3.943	1.731	15.54
M	40	71	111	2.8640E-02	4.135	3.796	26.67
M	40	72	112	2.1430E-02	4.322	1.955	26.01
M	40	73	113	1.8310E-02	4.461	4.010	35.42
M	40	74	114	1.3870E-02	4.662	2.163	32.78
M	40	75	115	1.2560E-02	4.751	4.200	41.94
M	40	76	116	9.5390E-03	4.969	2.358	35.72
M	40	77	117	9.0210E-03	5.016	4.377	45.79
M	40	78	118	6.8060E-03	5.259	2.546	40.02
M	40	79	119	6.6220E-03	5.275	4.551	53.58
M	40	80	120	5.1750E-03	5.497	2.708	46.31
M	40	81	121	5.0650E-03	5.505	4.709	54.15
M	40	82	122	3.9300E-03	5.748	2.881	47.23
M	40	84	124	1.5560E-03	6.785	3.594	89.18
M	40	86	126	1.1740E-03	7.099	3.829	91.50
M	40	88	128	8.6640E-04	7.460	4.103	100.00
P	41	37	78	8.5420E-03			
P	41	38	79	1.2570E-02			
P	41	39	80	1.2420E-02			
P	41	40	81	9.3170E-02			
P	41	41	82	5.3160E-01			
P	41	42	83	3.5630E+00			
P	41	43	84	4.2560E+00			
P	41	44	85	1.6050E+01			
P	41	45	86	2.1830E+01			
P	41	46	87	1.5780E+02			
P	41	47	88	1.1250E+02			
P	41	48	89	8.4060E+02			
P	41	49	90	6.1480E+02			
P	41	51	92	3.0280E+06			
M	41	53	94	1.1020E+07	0.062	1.750	
M	41	55	96	5.0060E+03	0.581	2.044	
M	41	56	97	3.1390E+03	0.440	1.023	
M	41	57	98	1.7020E+02	0.965	2.608	
M	41	58	99	1.7120E+02	0.977	1.099	
M	41	59	100	2.7860E+01	1.431	2.778	
M	41	60	101	2.6460E+01	1.368	1.437	
M	41	61	102	7.3480E+00	1.857	2.983	
M	41	62	103	6.2070E+00	1.689	1.851	0.00
M	41	63	104	2.5360E+00	2.197	3.296	0.01
M	41	64	105	1.8910E+00	2.018	2.221	0.54
M	41	65	106	8.8640E-01	2.541	3.740	0.86

M	41	66	107	5.8140E-01	2.438	2.610	4.60
M	41	67	108	3.6010E-01	2.868	4.191	5.86
M	41	68	109	1.7890E-01	2.980	3.037	15.62
M	41	69	110	9.9920E-02	3.461	4.892	22.64
M	41	70	111	5.4640E-02	3.674	3.529	37.59
M	41	71	112	4.0340E-02	3.990	5.405	63.54
M	41	72	113	3.0250E-02	4.069	3.797	61.76
M	41	73	114	2.4910E-02	4.300	5.677	69.37
M	41	74	115	1.9250E-02	4.393	4.015	85.40
M	41	75	116	1.6670E-02	4.577	5.907	73.49
M	41	76	117	1.2730E-02	4.709	4.228	87.37
M	41	77	118	1.1680E-02	4.838	6.117	76.85
M	41	78	119	8.9450E-03	4.992	4.419	88.82
M	41	79	120	8.5930E-03	5.072	6.301	79.62
M	41	80	121	6.5960E-03	5.245	4.593	89.86
M	41	81	122	6.4600E-03	5.299	6.477	81.72
M	41	82	123	5.0050E-03	5.482	4.758	90.78
M	41	83	124	2.3460E-03	6.313	7.246	86.67
M	41	84	125	1.9020E-03	6.512	5.474	97.08
M	41	85	126	1.8290E-03	6.560	7.434	99.48
M	41	86	127	1.4460E-03	6.804	5.689	97.38
M	41	88	129	1.0620E-03	7.154	5.949	100.00
M	41	90	131	8.3100E-04	7.436	6.163	100.00
M	41	92	133	6.7660E-04	7.673	6.349	100.00
M	41	94	135	5.5860E-04	7.898	6.528	100.00
P	42	37	79	6.5640E-03			
P	42	38	80	9.1590E-03			
P	42	39	81	1.0630E-02			
P	42	40	82	2.2860E-02			
P	42	41	83	7.9350E-02			
P	42	42	84	1.2680E+00			
P	42	43	85	2.4070E+00			
P	42	44	86	6.8850E+00			
P	42	45	87	1.4160E+01			
P	42	46	88	9.1100E+01			
P	42	47	89	8.7800E+01			
P	42	48	90	6.4060E+02			
P	42	49	91	5.1570E+02			
P	42	51	93	1.0920E+07			
M	42	57	99	1.1520E+05	0.140	1.003	
M	42	59	101	8.7610E+02	0.641	1.039	
M	42	60	102	1.8160E+03	0.322	0.277	
M	42	61	103	9.8360E+01	1.071	1.217	
M	42	62	104	7.1090E+01	0.775	0.378	
M	42	63	105	2.2120E+01	1.345	1.569	
M	42	64	106	1.3270E+01	1.158	0.478	
M	42	65	107	5.2160E+00	1.663	1.972	
M	42	66	108	2.6200E+00	1.658	0.638	
M	42	67	109	1.4670E+00	2.036	2.338	0.00
M	42	68	110	7.2830E-01	2.161	0.837	0.00
M	42	69	111	4.4930E-01	2.490	2.702	0.29
M	42	70	112	1.8640E-01	2.836	1.155	0.90
M	42	71	113	9.6940E-02	3.280	3.251	4.70
M	42	72	114	5.7180E-02	3.561	1.538	7.68

M	42	73	115	4.6990E-02	3.729	3.545	16.68
M	42	74	116	3.4540E-02	3.901	1.731	15.82
M	42	75	117	3.0030E-02	4.026	3.738	23.65
M	42	76	118	2.2950E-02	4.192	1.902	21.83
M	42	77	119	2.0230E-02	4.304	3.918	28.90
M	42	78	120	1.5050E-02	4.514	2.097	26.74
M	42	79	121	1.4530E-02	4.547	4.077	32.94
M	42	80	122	1.0660E-02	4.787	2.268	30.36
M	42	81	123	1.0360E-02	4.810	4.250	37.28
M	42	82	124	7.8750E-03	5.035	2.429	33.92
M	42	83	125	3.3410E-03	5.898	4.979	48.26
M	42	84	126	2.6890E-03	6.120	3.139	79.29
M	42	85	127	2.6390E-03	6.120	5.137	94.20
M	42	86	128	2.0560E-03	6.391	3.334	78.16
M	42	88	130	1.4730E-03	6.754	3.596	82.88
M	42	90	132	1.1770E-03	6.996	3.780	90.72
M	42	92	134	9.4740E-04	7.236	3.965	100.00
M	42	94	136	7.7460E-04	7.463	4.144	100.00
M	42	96	138	6.3870E-04	7.685	4.323	100.00
M	42	98	140	5.2300E-04	7.925	4.518	100.00
P	43	40	83	1.0570E-02			
P	43	41	84	1.0780E-02			
P	43	42	85	7.3060E-02			
P	43	43	86	3.8160E-01			
P	43	44	87	1.5310E+00			
P	43	45	88	2.3120E+00			
P	43	46	89	9.9650E+00			
P	43	47	90	1.0060E+01			
P	43	48	91	4.0230E+01			
P	43	49	92	3.4310E+01			
P	43	50	93	1.1600E+04			
P	43	51	94	7.9600E+03			
P	43	52	95	2.4370E+05			
P	43	53	96	5.3380E+05			
M	43	57	100	1.1000E+05	0.294	1.750	
M	43	58	101	1.8840E+06	0.052	1.001	
M	43	59	102	1.2100E+03	0.646	2.344	
M	43	60	103	1.2750E+03	0.559	1.032	
M	43	61	104	1.1810E+02	1.014	2.619	
M	43	62	105	1.1600E+02	1.034	1.145	
M	43	63	106	2.6390E+01	1.412	2.747	
M	43	64	107	3.0880E+01	1.294	1.405	
M	43	65	108	7.7490E+00	1.796	2.937	
M	43	66	109	6.0500E+00	1.643	1.864	0.00
M	43	67	110	2.4260E+00	2.157	3.289	0.01
M	43	68	111	1.5570E+00	2.023	2.284	0.67
M	43	69	112	8.1440E-01	2.508	3.766	1.18
M	43	70	113	5.2680E-01	2.418	2.638	5.20
M	43	71	114	2.6670E-01	2.929	4.335	7.97
M	43	72	115	1.3590E-01	3.066	3.128	20.75
M	43	73	116	7.2660E-02	3.572	5.039	23.78
M	43	74	117	4.8470E-02	3.685	3.553	38.39
M	43	75	118	4.0360E-02	3.915	5.358	47.71
M	43	76	119	3.2470E-02	3.942	3.726	51.72

M	43	77	120	2.6970E-02	4.165	5.576	52.68
M	43	78	121	2.0530E-02	4.264	3.940	61.77
M	43	79	122	1.9180E-02	4.389	5.763	71.91
M	43	80	123	1.4350E-02	4.528	4.115	60.80
M	43	81	124	1.3680E-02	4.626	5.954	74.82
M	43	82	125	1.0390E-02	4.776	4.282	62.91
M	43	83	126	4.0700E-03	5.704	6.781	82.09
M	43	84	127	3.2880E-03	5.874	5.022	95.54
M	43	85	128	3.2550E-03	5.899	6.929	95.35
M	43	86	129	2.5570E-03	6.113	5.193	95.94
M	43	87	130	2.5070E-03	6.144	7.114	99.44
M	43	88	131	1.9060E-03	6.412	5.408	96.87
M	43	89	132	1.8560E-03	6.446	7.342	99.51
M	43	90	133	1.4810E-03	6.675	5.601	97.25
M	43	92	135	1.1610E-03	6.937	5.796	98.00
M	43	94	137	9.7920E-04	7.113	5.932	100.00
M	43	96	139	7.9710E-04	7.343	6.109	100.00
M	43	98	141	6.4030E-04	7.599	6.308	100.00
M	43	100	143	5.2150E-04	7.844	6.502	100.00
P	44	40	84	7.9450E-03			
P	44	41	85	9.1440E-03			
P	44	42	86	1.8100E-02			
P	44	43	87	5.9530E-02			
P	44	44	88	6.6630E-01			
P	44	45	89	1.3490E+00			
P	44	46	90	4.6850E+00			
P	44	47	91	6.8830E+00			
P	44	48	92	2.2130E+01			
P	44	49	93	2.4700E+01			
P	44	50	94	6.3390E+03			
P	44	51	95	7.0750E+03			
P	44	53	97	1.7310E+05			
M	44	61	105	3.3830E+04	0.204	1.005	
M	44	63	107	7.0040E+02	0.666	1.042	
M	44	64	108	3.3950E+03	0.255	0.270	
M	44	65	109	1.4080E+02	0.972	1.164	
M	44	66	110	8.6210E+01	0.714	0.364	
M	44	67	111	2.0780E+01	1.314	1.593	
M	44	68	112	9.9500E+00	1.203	0.496	
M	44	69	113	4.3070E+00	1.665	2.029	
M	44	70	114	2.2560E+00	1.669	0.654	
M	44	71	115	1.1780E+00	2.060	2.400	0.00
M	44	72	116	6.9390E-01	2.133	0.844	0.01
M	44	73	117	3.2590E-01	2.582	2.798	0.35
M	44	74	118	1.2950E-01	2.992	1.255	1.19
M	44	75	119	8.1330E-02	3.325	3.297	5.83
M	44	76	120	6.2310E-02	3.437	1.491	7.85
M	44	77	121	5.0090E-02	3.617	3.486	12.36
M	44	78	122	3.7240E-02	3.776	1.681	12.53
M	44	79	123	3.3720E-02	3.870	3.648	17.63
M	44	80	124	2.5070E-02	4.050	1.841	14.31
M	44	81	125	2.3970E-02	4.099	3.796	21.56
M	44	82	126	1.7700E-02	4.302	1.992	17.76
M	44	83	127	6.2040E-03	5.245	4.541	34.31

M	44	84	128	4.8560E-03	5.466	2.713	65.93
M	44	85	129	4.7280E-03	5.481	4.701	74.47
M	44	86	130	3.6190E-03	5.739	2.899	69.40
M	44	87	131	3.5080E-03	5.755	4.891	93.25
M	44	88	132	2.6510E-03	6.043	3.110	72.49
M	44	89	133	2.6180E-03	6.037	5.088	94.21
M	44	90	134	2.0740E-03	6.286	3.285	80.07
M	44	91	135	2.1000E-03	6.249	5.241	95.00
M	44	92	136	1.6520E-03	6.516	3.454	80.35
M	44	94	138	1.3100E-03	6.761	3.637	84.00
M	44	96	140	1.1460E-03	6.887	3.740	88.34
M	44	98	142	8.9030E-04	7.173	3.958	90.36
M	44	100	144	7.1000E-04	7.435	4.162	100.00
M	44	102	146	5.6510E-04	7.710	4.379	100.00
P	45	43	88	9.3780E-03			
P	45	44	89	5.6080E-02			
P	45	45	90	2.7350E-01			
P	45	46	91	1.1920E+00			
P	45	47	92	1.5080E+00			
P	45	48	93	4.1120E+00			
P	45	49	94	3.9630E+00			
P	45	50	95	3.0040E+02			
P	45	51	96	2.5440E+02			
P	45	52	97	3.3020E+03			
P	45	53	98	3.5460E+03			
P	45	54	99	4.2440E+04			
P	45	55	100	3.9350E+04			
P	45	57	102	2.1990E+06			
M	45	61	106	2.6900E+04	0.436	1.784	
M	45	62	107	8.6030E+04	0.145	1.003	
M	45	63	108	7.5510E+02	0.669	2.408	
M	45	64	109	1.1490E+03	0.560	1.033	
M	45	65	110	1.4900E+02	0.933	2.571	
M	45	66	111	1.4530E+02	0.958	1.119	
M	45	67	112	2.6540E+01	1.376	2.713	
M	45	68	113	2.2910E+01	1.313	1.489	
M	45	69	114	6.6240E+00	1.803	2.947	
M	45	70	115	5.2200E+00	1.629	1.914	0.00
M	45	71	116	2.1660E+00	2.141	3.317	0.02
M	45	72	117	1.5910E+00	1.961	2.277	0.53
M	45	73	118	8.6390E-01	2.427	3.724	0.79
M	45	74	119	4.6690E-01	2.411	2.671	4.53
M	45	75	120	2.0190E-01	2.990	4.462	8.44
M	45	76	121	1.0070E-01	3.175	3.225	17.13
M	45	77	122	6.7770E-02	3.544	5.039	25.81
M	45	78	123	5.1680E-02	3.573	3.492	34.64
M	45	79	124	4.5130E-02	3.770	5.248	38.56
M	45	80	125	3.5020E-02	3.817	3.654	40.29
M	45	81	126	3.2770E-02	3.955	5.412	41.93
M	45	82	127	2.4470E-02	4.054	3.811	44.41
M	45	83	128	7.8340E-03	5.056	6.289	54.91
M	45	84	129	6.1330E-03	5.216	4.575	93.20
M	45	85	130	5.8130E-03	5.299	6.474	86.66
M	45	86	131	4.4450E-03	5.502	4.770	93.71

M	45	87	132	4.2440E-03	5.572	6.679	89.83
M	45	88	133	3.3050E-03	5.776	4.960	95.24
M	45	89	134	3.2720E-03	5.802	6.854	95.34
M	45	90	135	2.4740E-03	6.055	5.158	96.03
M	45	91	136	2.5580E-03	6.028	7.024	99.47
M	45	92	137	2.0000E-03	6.259	5.306	96.56
M	45	93	138	2.0640E-03	6.228	7.177	99.52
M	45	94	139	1.6010E-03	6.482	5.469	97.14
M	45	95	140	1.6550E-03	6.444	7.341	99.56
M	45	96	141	1.4410E-03	6.569	5.539	97.43
M	45	97	142	1.3890E-03	6.612	7.471	99.59
M	45	98	143	1.1240E-03	6.836	5.737	97.78
M	45	100	145	8.7540E-04	7.117	5.949	98.21
M	45	102	147	6.8130E-04	7.410	6.173	100.00
M	45	104	149	5.3400E-04	7.706	6.402	100.00
P	46	43	89	8.3410E-03			
P	46	44	90	1.5370E-02			
P	46	45	91	4.8050E-02			
P	46	46	92	5.4060E-01			
P	46	47	93	9.1870E-01			
P	46	48	94	1.9260E+00			
P	46	49	95	2.3850E+00			
P	46	50	96	1.8150E+02			
P	46	51	97	1.9320E+02			
P	46	52	98	1.8590E+03			
P	46	53	99	2.7900E+03			
P	46	54	100	5.8970E+04			
P	46	55	101	3.1660E+04			
P	46	57	103	3.8890E+07			
M	46	65	111	1.6810E+04	0.249	1.008	
M	46	67	113	9.1140E+02	0.602	1.036	
M	46	68	114	1.2740E+03	0.331	0.279	
M	46	69	115	9.1900E+01	1.019	1.244	
M	46	70	116	5.6120E+01	0.771	0.381	
M	46	71	117	1.7070E+01	1.311	1.653	
M	46	72	118	9.6280E+00	1.178	0.495	
M	46	73	119	4.5080E+00	1.604	2.018	
M	46	74	120	2.4280E+00	1.601	0.641	
M	46	75	121	1.4390E+00	1.937	2.337	
M	46	76	122	5.1870E-01	2.219	0.899	0.00
M	46	77	123	2.2990E-01	2.698	2.901	0.39
M	46	78	124	9.9350E-02	3.095	1.326	1.15
M	46	79	125	8.6060E-02	3.227	3.248	5.72
M	46	80	126	6.4590E-02	3.350	1.463	5.08
M	46	81	127	6.2490E-02	3.405	3.362	7.68
M	46	82	128	4.4930E-02	3.575	1.588	5.95
M	46	83	129	1.2680E-02	4.573	4.105	19.08
M	46	84	130	9.5640E-03	4.792	2.297	46.20
M	46	85	131	8.9020E-03	4.855	4.290	61.19
M	46	86	132	6.6270E-03	5.105	2.497	55.39
M	46	87	133	6.1720E-03	5.166	4.496	69.09
M	46	88	134	4.7220E-03	5.407	2.696	64.19
M	46	89	135	4.7600E-03	5.388	4.647	77.65
M	46	90	136	3.6350E-03	5.644	2.858	69.68

M	46	91	137	3.6720E-03	5.619	4.807	93.34
M	46	92	138	2.8360E-03	5.876	3.021	71.41
M	46	93	139	2.8350E-03	5.859	4.975	94.15
M	46	94	140	2.3360E-03	6.055	3.151	79.94
M	46	95	141	2.3880E-03	6.011	5.085	94.66
M	46	96	142	2.1010E-03	6.139	3.219	78.69
M	46	97	143	2.0270E-03	6.160	5.194	94.77
M	46	98	144	1.6270E-03	6.399	3.408	78.03
M	46	99	145	1.5670E-03	6.422	5.385	95.32
M	46	100	146	1.2580E-03	6.673	3.611	84.28
M	46	102	148	9.5730E-04	6.979	3.840	85.35
M	46	104	150	7.6040E-04	7.241	4.042	100.00
M	46	106	152	5.8670E-04	7.553	4.285	100.00
P	47	45	92	7.4760E-03			
P	47	46	93	4.5830E-02			
P	47	47	94	2.2190E-01			
P	47	48	95	6.0960E-01			
P	47	49	96	6.3980E-01			
P	47	50	97	2.0560E+01			
P	47	51	98	2.0720E+01			
P	47	52	99	1.1990E+02			
P	47	53	100	1.5660E+02			
P	47	54	101	1.4810E+03			
P	47	55	102	1.3110E+03			
P	47	56	103	1.1760E+04			
P	47	57	104	8.8840E+03			
P	47	58	105	1.0820E+05			
P	47	59	106	1.3880E+05			
P	47	61	108	5.0650E+08			
M	47	63	110	4.3920E+05	0.179	1.750	
M	47	65	112	7.1090E+03	0.475	2.047	
M	47	66	113	1.0760E+04	0.277	1.009	
M	47	67	114	4.6430E+02	0.709	2.450	
M	47	68	115	5.1410E+02	0.685	1.045	
M	47	69	116	6.2610E+01	1.108	2.617	
M	47	70	117	6.3190E+01	1.091	1.255	
M	47	71	118	1.3950E+01	1.541	2.769	
M	47	72	119	1.3000E+01	1.385	1.654	
M	47	73	120	4.3800E+00	1.889	3.047	
M	47	74	121	3.4120E+00	1.692	2.048	0.00
M	47	75	122	1.8820E+00	2.134	3.361	0.01
M	47	76	123	1.4120E+00	1.948	2.313	0.32
M	47	77	124	8.0930E-01	2.393	3.742	0.48
M	47	78	125	3.3150E-01	2.509	2.776	4.02
M	47	79	126	1.5580E-01	3.051	4.571	6.97
M	47	80	127	9.3080E-02	3.159	3.230	16.30
M	47	81	128	8.6580E-02	3.336	4.866	20.14
M	47	82	129	6.4210E-02	3.365	3.367	22.99
M	47	83	130	1.6350E-02	4.418	5.797	35.09
M	47	84	131	1.2530E-02	4.547	4.133	89.98
M	47	85	132	1.1400E-02	4.679	6.002	81.45
M	47	86	133	8.6550E-03	4.841	4.328	91.55
M	47	87	134	7.5990E-03	4.999	6.247	83.96
M	47	88	135	5.7820E-03	5.187	4.560	93.31

M	47	89	136	5.5310E-03	5.259	6.444	88.08
M	47	90	137	4.4270E-03	5.417	4.718	94.64
M	47	91	138	4.4180E-03	5.443	6.583	90.27
M	47	92	139	3.5110E-03	5.621	4.861	95.38
M	47	93	140	3.3670E-03	5.682	6.763	91.87
M	47	94	141	2.7190E-03	5.858	5.028	96.07
M	47	95	142	2.7540E-03	5.857	6.896	96.06
M	47	96	143	2.5500E-03	5.893	5.058	96.46
M	47	97	144	2.5350E-03	5.910	6.939	92.80
M	47	98	145	2.0230E-03	6.115	5.218	96.22
M	47	99	146	1.9500E-03	6.162	7.130	96.25
M	47	100	147	1.5570E-03	6.381	5.412	96.84
M	47	101	148	1.5220E-03	6.409	7.318	99.60
M	47	102	149	1.2010E-03	6.656	5.614	97.49
M	47	104	151	9.3880E-04	6.926	5.816	98.21
M	47	106	153	7.0170E-04	7.268	6.073	100.00
M	47	108	155	5.7800E-04	7.491	6.247	100.00

P	48	45	93	7.1160E-03			
P	48	46	94	1.2380E-02			
P	48	47	95	3.8960E-02			
P	48	48	96	2.9720E-01			
P	48	49	97	3.8240E-01			
P	48	50	98	9.9120E+00			
P	48	51	99	1.4450E+01			
P	48	52	100	6.0220E+01			
P	48	53	101	1.0500E+02			
P	48	54	102	8.7400E+02			
P	48	55	103	1.0770E+03			
P	48	56	104	7.3110E+03			
P	48	57	105	1.1170E+04			
P	48	59	107	1.2820E+05			
M	48	67	115	3.8450E+04	0.185	1.005	
M	48	69	117	9.2580E+02	0.587	1.035	
M	48	70	118	1.9790E+03	0.281	0.273	
M	48	71	119	1.2280E+02	0.948	1.192	
M	48	72	120	8.6680E+01	0.673	0.358	
M	48	73	121	2.5240E+01	1.209	1.553	
M	48	74	122	1.4710E+01	1.043	0.459	
M	48	75	123	6.6650E+00	1.474	1.914	
M	48	76	124	3.7710E+00	1.425	0.586	
M	48	77	125	2.2900E+00	1.752	2.207	
M	48	78	126	1.3480E+00	1.780	0.724	
M	48	79	127	7.6520E-01	2.122	2.515	0.00
M	48	80	128	3.1020E-01	2.421	1.007	0.02
M	48	81	129	2.0130E-01	2.711	2.926	0.29
M	48	82	130	1.3130E-01	2.870	1.227	0.55
M	48	83	131	2.7770E-02	3.928	3.699	7.44
M	48	84	132	2.0560E-02	4.120	1.904	29.62
M	48	85	133	1.8360E-02	4.220	3.885	40.18
M	48	86	134	1.4330E-02	4.388	2.066	40.86
M	48	87	135	1.2760E-02	4.490	4.059	49.23
M	48	88	136	9.2520E-03	4.741	2.284	48.45
M	48	89	137	8.1070E-03	4.859	4.300	58.29
M	48	90	138	6.1690E-03	5.089	2.507	55.19

M	48	91	139	5.9160E-03	5.122	4.476	71.07
M	48	92	140	4.7230E-03	5.319	2.661	64.95
M	48	93	141	4.5570E-03	5.345	4.627	73.83
M	48	94	142	3.6290E-03	5.556	2.822	67.04
M	48	95	143	3.4870E-03	5.585	4.793	81.26
M	48	96	144	3.1530E-03	5.670	2.907	70.76
M	48	97	145	3.6410E-03	5.507	4.745	93.75
M	48	98	146	2.9600E-03	5.704	2.939	70.15
M	48	99	147	2.8410E-03	5.733	4.904	80.36
M	48	100	148	2.2380E-03	5.976	3.130	73.39
M	48	101	149	2.1900E-03	5.983	5.081	94.58
M	48	102	150	1.7270E-03	6.236	3.318	75.39
M	48	103	151	1.6140E-03	6.294	5.306	95.28
M	48	104	152	1.3000E-03	6.537	3.537	83.39
M	48	106	154	9.8680E-04	6.841	3.764	84.46
M	48	108	156	7.6370E-04	7.135	3.987	90.21
M	48	110	158	6.0960E-04	7.398	4.192	100.00
M	48	112	160	5.0950E-04	7.606	4.359	100.00
M	48	116	164	4.2210E-04	7.835	4.727	100.00
P	49	46	95	7.5740E-03			
P	49	47	96	7.1810E-03			
P	49	48	97	3.6590E-02			
P	49	49	98	1.0870E-01			
P	49	50	99	2.6390E+00			
P	49	51	100	3.1930E+00			
P	49	52	101	9.9550E+00			
P	49	53	102	1.1740E+01			
P	49	54	103	6.7530E+01			
P	49	55	104	1.0030E+02			
P	49	56	105	7.2830E+02			
P	49	57	106	7.2740E+02			
P	49	58	107	5.8150E+03			
P	49	59	108	4.4160E+03			
P	49	60	109	3.4190E+04			
P	49	61	110	3.3240E+04			
P	49	63	112	4.0550E+06			
M	49	65	114	1.6380E+06	0.112	1.750	
M	49	67	116	9.7760E+03	0.444	1.997	
M	49	68	117	2.4480E+04	0.207	1.006	
M	49	69	118	5.7600E+02	0.659	2.418	
M	49	70	119	6.0900E+02	0.639	1.040	
M	49	71	120	6.8570E+01	1.063	2.592	
M	49	72	121	7.3180E+01	1.040	1.232	
M	49	73	122	1.5750E+01	1.477	2.733	
M	49	74	123	1.5050E+01	1.323	1.623	
M	49	75	124	5.3600E+00	1.797	2.973	
M	49	76	125	4.4400E+00	1.587	1.977	
M	49	77	126	2.0580E+00	2.072	3.321	0.00
M	49	78	127	1.4960E+00	1.893	2.299	0.04
M	49	79	128	8.6060E-01	2.335	3.709	0.09
M	49	80	129	6.0190E-01	2.213	2.575	0.79
M	49	81	130	3.5770E-01	2.642	4.131	1.32
M	49	82	131	2.2520E-01	2.639	2.891	4.32
M	49	83	132	3.6670E-02	3.814	5.312	15.66

M	49	84	133	2.7860E-02	3.893	3.713	86.00
M	49	85	134	2.4090E-02	4.078	5.532	74.50
M	49	86	135	1.8280E-02	4.188	3.904	88.35
M	49	87	136	1.6230E-02	4.345	5.747	77.60
M	49	88	137	1.2190E-02	4.490	4.102	89.85
M	49	89	138	1.0350E-02	4.678	6.005	82.15
M	49	90	139	7.3910E-03	4.902	4.373	91.59
M	49	91	140	6.3830E-03	5.071	6.303	85.03
M	49	92	141	5.1720E-03	5.208	4.579	93.54
M	49	93	142	5.0220E-03	5.264	6.448	88.89
M	49	94	143	4.1230E-03	5.400	4.712	94.78
M	49	95	144	3.9560E-03	5.463	6.599	89.54
M	49	96	145	3.0910E-03	5.663	4.895	95.37
M	49	97	146	3.2820E-03	5.618	6.716	91.13
M	49	98	147	2.9640E-03	5.674	4.909	95.58
M	49	99	148	3.2350E-03	5.600	6.706	91.94
M	49	100	149	2.8390E-03	5.687	4.924	95.91
M	49	101	150	2.8190E-03	5.709	6.790	92.03
M	49	102	151	2.1170E-03	5.972	5.125	95.81
M	49	103	152	2.0230E-03	6.030	7.031	93.44
M	49	104	153	1.6300E-03	6.233	5.314	96.99
M	49	105	154	1.5780E-03	6.274	7.217	96.79
M	49	106	155	1.2300E-03	6.530	5.531	97.47
M	49	107	156	1.2330E-03	6.526	7.410	99.65
M	49	108	157	9.5630E-04	6.804	5.734	97.97
M	49	110	159	7.2600E-04	7.121	5.972	100.00
M	49	112	161	5.9730E-04	7.386	6.069	100.00
M	49	114	163	4.4620E-04	7.752	6.355	100.00
M	49	116	165	3.7400E-04	7.966	6.529	100.00
M	49	118	167	3.1950E-04	8.158	6.688	100.00
M	49	120	169	2.6220E-04	8.417	6.901	100.00
P	50	46	96	6.1710E-03			
P	50	47	97	7.3570E-03			
P	50	48	98	1.4540E-02			
P	50	49	99	3.0920E-02			
P	50	50	100	1.3180E+00			
P	50	51	101	2.0590E+00			
P	50	52	102	5.3820E+00			
P	50	53	103	8.8260E+00			
P	50	54	104	2.9970E+01			
P	50	55	105	6.4880E+01			
P	50	56	106	5.1730E+02			
P	50	57	107	6.2760E+02			
P	50	58	108	3.2510E+03			
P	50	59	109	5.3760E+03			
P	50	60	110	2.1360E+05			
P	50	61	111	4.5430E+04			
M	50	75	125	1.3690E+04	0.247	1.008	
M	50	76	126	9.4810E+06	0.016	0.250	
M	50	77	127	7.1490E+02	0.606	1.038	
M	50	78	128	1.0090E+03	0.324	0.279	
M	50	79	129	1.0750E+02	0.925	1.228	
M	50	80	130	7.1610E+01	0.672	0.362	
M	50	81	131	2.2340E+01	1.170	1.597	

M	50	82	132	1.3680E+01	1.014	0.459	
M	50	83	133	4.7640E-01	2.269	2.643	0.00
M	50	84	134	2.5520E-01	2.471	1.043	4.73
M	50	85	135	1.8240E-01	2.707	2.938	11.49
M	50	86	136	1.1730E-01	2.881	1.246	12.61
M	50	87	137	9.8590E-02	3.027	3.142	21.99
M	50	88	138	6.6920E-02	3.206	1.416	20.22
M	50	89	139	5.8410E-02	3.325	3.330	30.89
M	50	90	140	4.1570E-02	3.502	1.579	29.14
M	50	91	141	3.2890E-02	3.688	3.558	42.37
M	50	92	142	2.0790E-02	3.987	1.855	38.70
M	50	93	143	1.7650E-02	4.126	3.836	49.93
M	50	94	144	1.3020E-02	4.339	2.066	50.04
M	50	95	145	1.2250E-02	4.394	4.010	58.71
M	50	96	146	9.3420E-03	4.597	2.228	54.70
M	50	97	147	8.9700E-03	4.632	4.166	67.31
M	50	98	148	5.9980E-03	4.972	2.468	51.88
M	50	99	149	5.1310E-03	5.114	4.487	64.58
M	50	100	150	3.8880E-03	5.366	2.728	61.47
M	50	101	151	4.0610E-03	5.312	4.623	70.86
M	50	102	152	3.0230E-03	5.594	2.886	64.56
M	50	103	153	2.9100E-03	5.621	4.837	77.14
M	50	104	154	2.3030E-03	5.853	3.069	72.01
M	50	105	155	2.2230E-03	5.877	5.018	83.80
M	50	106	156	1.7590E-03	6.122	3.261	75.55
M	50	107	157	1.7140E-03	6.134	5.204	95.24
M	50	108	158	1.3530E-03	6.394	3.459	82.48
M	50	110	160	1.0350E-03	6.683	3.674	86.68
M	50	112	162	8.7610E-04	6.902	3.991	91.26
M	50	114	164	9.0120E-04	6.830	3.951	100.00
M	50	116	166	7.5680E-04	7.016	4.102	88.63
M	50	118	168	6.4250E-04	7.194	4.248	92.52
M	50	120	170	5.5440E-04	7.354	4.383	94.59
M	50	122	172	4.1750E-04	7.709	4.667	94.34
P	51	51	102	8.7820E-02			
P	51	52	103	2.3520E-01			
P	51	53	104	3.2360E-01			
P	51	54	105	7.0570E-01			
P	51	55	106	9.4140E-01			
P	51	56	107	3.0960E+00			
P	51	57	108	5.0550E+00			
P	51	58	109	1.5610E+01			
P	51	59	110	1.8170E+01			
P	51	60	111	6.8780E+01			
P	51	61	112	7.3200E+01			
P	51	62	113	3.4220E+02			
P	51	63	114	3.3830E+02			
P	51	64	115	2.2620E+03			
P	51	65	116	2.9510E+03			
P	51	66	117	2.5250E+04			
P	51	67	118	2.2450E+04			
P	51	68	119	1.0030E+06			
P	51	69	120	4.3370E+05			
M	51	73	124	2.2260E+05	0.213	1.750	

M	51	75	126	4.4480E+03	0.436	2.160	
M	51	76	127	6.5010E+03	0.301	1.010	
M	51	77	128	3.7370E+02	0.684	2.432	
M	51	78	129	5.2480E+02	0.637	1.041	
M	51	79	130	7.4420E+01	0.999	2.545	
M	51	80	131	9.4750E+01	0.949	1.186	
M	51	81	132	2.2640E+01	1.317	2.638	
M	51	82	133	2.4000E+01	1.178	1.496	
M	51	83	134	7.4220E-01	2.334	3.763	0.10
M	51	84	135	5.0060E-01	2.238	2.620	28.03
M	51	85	136	2.9990E-01	2.658	4.194	28.79
M	51	86	137	1.6930E-01	2.728	2.967	42.28
M	51	87	138	1.2560E-01	3.037	4.617	57.44
M	51	88	139	8.8740E-02	3.065	3.191	80.99
M	51	89	140	7.0190E-02	3.326	4.901	65.21
M	51	90	141	4.7830E-02	3.426	3.426	84.37
M	51	91	142	3.9860E-02	3.644	5.186	71.44
M	51	92	143	2.7390E-02	3.786	3.657	87.39
M	51	93	144	2.1690E-02	4.030	5.507	76.36
M	51	94	145	1.4840E-02	4.226	3.941	89.93
M	51	95	146	1.2960E-02	4.390	5.792	81.69
M	51	96	147	9.6980E-03	4.551	4.155	91.79
M	51	97	148	9.2710E-03	4.635	5.981	83.49
M	51	98	149	7.0090E-03	4.809	4.327	92.15
M	51	99	150	6.5900E-03	4.900	6.183	84.99
M	51	100	151	5.0990E-03	5.075	4.508	93.46
M	51	101	152	5.1000E-03	5.104	6.338	87.75
M	51	102	153	3.7970E-03	5.332	4.684	93.89
M	51	103	154	3.6580E-03	5.391	6.553	89.93
M	51	104	155	2.8840E-03	5.582	4.859	94.90
M	51	105	156	2.7210E-03	5.657	6.754	91.73
M	51	106	157	2.2000E-03	5.838	5.040	96.13
M	51	107	158	2.1000E-03	5.898	6.936	93.25
M	51	108	159	1.6830E-03	6.102	5.230	96.76
M	51	109	160	1.6250E-03	6.148	7.125	96.81
M	51	110	161	1.2910E-03	6.419	5.340	97.77
M	51	111	162	1.1730E-03	6.524	7.022	97.46
M	51	112	163	1.0330E-03	6.654	5.518	98.03
M	51	114	165	8.8680E-04	6.808	5.639	98.20
M	51	115	166	8.6660E-04	6.823	7.258	99.74
M	51	116	167	7.8840E-04	6.921	5.732	98.30
M	51	117	168	7.3740E-04	6.992	7.391	99.75
M	51	118	169	6.8870E-04	7.059	5.844	98.35
M	51	119	170	6.4560E-04	7.128	7.502	99.77
M	51	120	171	5.9600E-04	7.213	5.969	98.54
M	51	121	172	5.7750E-04	7.239	7.593	99.78
M	51	122	173	4.6200E-04	7.522	6.212	98.82
M	51	124	175	3.8460E-04	7.742	6.390	100.00
P	52	51	103	2.7130E-02			
P	52	52	104	1.4330E-01			
P	52	53	105	2.1450E-01			
P	52	54	106	4.1190E-01			
P	52	55	107	6.7630E-01			
P	52	56	108	1.5120E+00			

P	52	57	109	3.1560E+00			
P	52	58	110	9.6310E+00			
P	52	59	111	1.6970E+01			
P	52	60	112	4.6810E+01			
P	52	61	113	6.7610E+01			
P	52	62	114	2.3030E+02			
P	52	63	115	3.3910E+02			
P	52	64	116	1.4020E+03			
P	52	65	117	2.8040E+03			
P	52	66	118	4.0720E+04			
P	52	67	119	3.7220E+04			
M	52	77	129	3.4370E+05	0.082	1.001	
M	52	79	131	5.0080E+03	0.330	1.012	
M	52	80	132	9.5690E+04	0.072	0.253	
M	52	81	133	5.0730E+02	0.649	1.048	
M	52	82	134	7.1180E+02	0.343	0.293	
M	52	83	135	2.6240E+00	1.637	2.167	
M	52	84	136	1.5330E+00	1.664	0.698	0.03
M	52	85	137	1.0960E+00	1.908	2.398	0.41
M	52	86	138	5.2600E-01	2.090	0.878	0.79
M	52	87	139	3.1130E-01	2.410	2.755	3.79
M	52	88	140	1.4870E-01	2.709	1.170	4.87
M	52	89	141	1.1500E-01	2.902	3.072	13.32
M	52	90	142	7.5040E-02	3.094	1.367	11.73
M	52	91	143	6.3840E-02	3.229	3.277	22.87
M	52	92	144	4.3560E-02	3.429	1.548	20.93
M	52	93	145	3.7940E-02	3.546	3.476	31.24
M	52	94	146	2.6140E-02	3.769	1.741	28.69
M	52	95	147	2.1750E-02	3.920	3.712	36.16
M	52	96	148	1.5180E-02	4.165	1.974	30.39
M	52	97	149	1.4540E-02	4.207	3.895	41.82
M	52	98	150	1.0620E-02	4.436	2.142	39.26
M	52	99	151	9.8830E-03	4.499	4.086	52.43
M	52	100	152	7.4630E-03	4.719	2.321	46.85
M	52	101	153	7.2670E-03	4.740	4.246	59.05
M	52	102	154	5.3980E-03	4.990	2.499	52.45
M	52	103	155	5.2280E-03	5.015	4.430	66.32
M	52	104	156	4.0180E-03	5.247	2.671	59.63
M	52	105	157	3.8610E-03	5.278	4.610	69.82
M	52	106	158	2.9940E-03	5.516	2.855	62.67
M	52	107	159	2.8600E-03	5.552	4.801	75.15
M	52	108	160	2.2860E-03	5.771	3.034	72.36
M	52	109	161	2.1660E-03	5.853	4.874	81.10
M	52	110	162	1.8890E-03	5.995	3.328	79.31
M	52	111	163	1.6900E-03	6.095	5.052	86.60
M	52	112	164	1.5110E-03	6.215	3.494	81.06
M	52	113	165	1.3510E-03	6.320	5.220	87.92
M	52	114	166	1.1640E-03	6.488	3.701	80.45
M	52	115	167	1.0810E-03	6.551	5.395	86.12
M	52	116	168	9.6550E-04	6.682	3.854	84.70
M	52	117	169	9.0220E-04	6.739	5.541	96.67
M	52	118	170	8.1230E-04	6.864	3.999	85.37
M	52	119	171	7.7540E-04	6.895	5.665	96.99
M	52	120	172	7.1560E-04	6.991	4.106	90.07
M	52	121	173	7.1550E-04	6.963	5.725	97.20

M	52	122	174	6.1820E-04	7.146	4.235	92.20
M	52	124	176	5.1450E-04	7.355	4.406	100.00
M	52	126	178	4.1600E-04	7.611	4.615	100.00
P	53	54	107	2.0160E-01			
P	53	55	108	2.9030E-01			
P	53	56	109	6.4570E-01			
P	53	57	110	9.1550E-01			
P	53	58	111	2.4120E+00			
P	53	59	112	3.7410E+00			
P	53	60	113	1.1470E+01			
P	53	61	114	1.3920E+01			
P	53	62	115	4.6990E+01			
P	53	63	116	5.2320E+01			
P	53	64	117	2.2340E+02			
P	53	65	118	2.4670E+02			
P	53	66	119	1.4410E+03			
P	53	67	120	1.8780E+03			
P	53	68	121	1.5400E+04			
P	53	69	122	1.4930E+04			
P	53	70	123	7.7080E+05			
P	53	71	124	2.9330E+05			
P	53	73	126	1.4430E+07			
M	53	75	128	4.1130E+07	0.035	1.750	
M	53	77	130	8.0190E+04	0.291	1.752	
M	53	78	131	5.4300E+06	0.031	1.000	
M	53	79	132	3.2060E+03	0.432	2.209	
M	53	80	133	4.8920E+03	0.318	1.011	
M	53	81	134	3.7880E+02	0.659	2.416	
M	53	82	135	5.8550E+02	0.599	1.039	
M	53	83	136	3.4920E+00	1.841	3.087	
M	53	84	137	2.7380E+00	1.629	2.119	3.78
M	53	85	138	1.5290E+00	2.069	3.419	3.62
M	53	86	139	1.0930E+00	1.906	2.379	10.48
M	53	87	140	7.1110E-01	2.299	3.762	10.17
M	53	88	141	3.9320E-01	2.291	2.679	21.54
M	53	89	142	1.9540E-01	2.787	4.377	22.42
M	53	90	143	1.0680E-01	2.919	3.105	39.47
M	53	91	144	8.3990E-02	3.185	4.786	61.66
M	53	92	145	5.6430E-02	3.278	3.337	58.28
M	53	93	146	4.6400E-02	3.504	5.078	68.33
M	53	94	147	3.1270E-02	3.646	3.573	65.84
M	53	95	148	2.9730E-02	3.765	5.300	72.87
M	53	96	149	2.0810E-02	3.916	3.747	87.42
M	53	97	150	1.9700E-02	4.026	5.514	76.07
M	53	98	151	1.4070E-02	4.194	3.927	89.17
M	53	99	152	1.3210E-02	4.299	5.729	80.15
M	53	100	153	9.9190E-03	4.454	4.099	90.60
M	53	101	154	9.6060E-03	4.527	5.905	82.89
M	53	102	155	7.2860E-03	4.694	4.259	92.12
M	53	103	156	6.6950E-03	4.805	6.117	85.27
M	53	104	157	5.0470E-03	5.001	4.465	93.34
M	53	105	158	4.8370E-03	5.069	6.316	87.23
M	53	106	159	3.7850E-03	5.249	4.636	94.07
M	53	107	160	3.5680E-03	5.328	6.511	90.00

M	53	108	161	2.7910E-03	5.569	4.727	95.74
M	53	109	162	2.4150E-03	5.721	6.416	91.24
M	53	110	163	2.1330E-03	5.823	4.910	96.57
M	53	111	164	1.8920E-03	5.951	6.588	93.35
M	53	112	165	1.6930E-03	6.045	5.074	96.91
M	53	113	166	1.5000E-03	6.176	6.760	93.40
M	53	114	167	1.3430E-03	6.277	5.247	97.17
M	53	115	168	1.2400E-03	6.363	6.903	94.40
M	53	116	169	1.1040E-03	6.476	5.398	97.42
M	53	117	170	1.0260E-03	6.554	7.051	94.79
M	53	118	171	9.0770E-04	6.681	5.555	97.75
M	53	119	172	8.2170E-04	6.792	7.236	95.82
M	53	120	173	7.4660E-04	6.891	5.719	98.31
M	53	121	174	7.0430E-04	6.952	7.363	99.77
M	53	122	175	6.2560E-04	7.085	5.872	98.40
M	53	124	177	5.1400E-04	7.310	6.050	100.00
M	53	126	179	4.4410E-04	7.474	6.183	100.00

P	54	54	108	1.1520E-01			
P	54	55	109	1.9540E-01			
P	54	56	110	3.8650E-01			
P	54	57	111	6.1270E-01			
P	54	58	112	1.2930E+00			
P	54	59	113	2.2270E+00			
P	54	60	114	5.9720E+00			
P	54	61	115	1.1230E+01			
P	54	62	116	2.9750E+01			
P	54	63	117	5.8150E+01			
P	54	64	118	2.0590E+02			
P	54	65	119	3.0180E+02			
P	54	66	120	9.1020E+02			
P	54	67	121	1.5630E+03			
P	54	68	122	8.4810E+03			
P	54	69	123	1.3230E+04			
P	54	71	125	2.4760E+05			
M	54	81	135	6.7980E+06	0.029	1.000	
M	54	83	137	2.3570E+01	1.123	1.591	
M	54	84	138	1.3800E+01	0.981	0.458	
M	54	85	139	7.1090E+00	1.350	1.905	
M	54	86	140	3.9660E+00	1.316	0.572	
M	54	87	141	2.4920E+00	1.611	2.175	0.00
M	54	88	142	1.6830E+00	1.593	0.678	0.00
M	54	89	143	9.7110E-01	1.908	2.419	0.11
M	54	90	144	3.8370E-01	2.190	0.932	0.55
M	54	91	145	2.0760E-01	2.553	2.859	2.95
M	54	92	146	1.0540E-01	2.851	1.251	5.01
M	54	93	147	9.9520E-02	2.926	3.095	13.03
M	54	94	148	5.8830E-02	3.188	1.429	10.55
M	54	95	149	5.7350E-02	3.235	3.289	19.63
M	54	96	150	3.6750E-02	3.481	1.590	16.20
M	54	97	151	3.5350E-02	3.530	3.473	26.58
M	54	98	152	2.3640E-02	3.775	1.759	22.95
M	54	99	153	2.2250E-02	3.834	3.665	34.87
M	54	100	154	1.5950E-02	4.053	1.925	30.91
M	54	101	155	1.4670E-02	4.127	3.853	39.03

M	54	102	156	1.1000E-02	4.330	2.095	37.44
M	54	103	157	1.0530E-02	4.370	4.011	47.14
M	54	104	158	7.8680E-03	4.592	2.261	42.09
M	54	105	159	7.4230E-03	4.643	4.192	57.65
M	54	106	160	5.6780E-03	4.861	2.436	52.55
M	54	107	161	5.2640E-03	4.962	4.256	59.08
M	54	108	162	4.5380E-03	5.092	2.704	58.32
M	54	109	163	3.8520E-03	5.233	4.444	69.69
M	54	110	164	3.3020E-03	5.376	2.904	67.74
M	54	111	165	3.0010E-03	5.453	4.601	72.50
M	54	112	166	2.7950E-03	5.517	3.009	70.16
M	54	113	167	2.5080E-03	5.609	4.714	72.56
M	54	114	168	2.1340E-03	5.772	3.194	70.72
M	54	115	169	1.9190E-03	5.864	4.900	78.58
M	54	116	170	1.6810E-03	6.002	3.366	76.16
M	54	117	171	1.5430E-03	6.075	5.057	80.14
M	54	118	172	1.4000E-03	6.178	3.502	79.66
M	54	119	173	1.2100E-03	6.323	5.243	84.16
M	54	120	174	1.0060E-03	6.536	3.770	78.74
M	54	121	175	9.3160E-04	6.603	5.456	96.66
M	54	122	176	8.5750E-04	6.698	3.901	85.49
M	54	124	178	6.8000E-04	6.957	4.104	90.35
M	54	126	180	5.7010E-04	7.152	4.263	93.76
P	55	56	111	1.8250E-01			
P	55	57	112	2.6000E-01			
P	55	58	113	5.5050E-01			
P	55	59	114	7.8410E-01			
P	55	60	115	1.9070E+00			
P	55	61	116	3.3360E+00			
P	55	62	117	9.1700E+00			
P	55	63	118	1.2370E+01			
P	55	64	119	4.0420E+01			
P	55	65	120	4.9550E+01			
P	55	66	121	1.5470E+02			
P	55	67	122	1.4200E+02			
P	55	68	123	5.9770E+02			
P	55	69	124	6.9950E+02			
P	55	70	125	4.5190E+03			
P	55	71	126	4.4170E+03			
P	55	72	127	2.9580E+04			
P	55	73	128	2.3940E+04			
P	55	74	129	3.1070E+06			
P	55	75	130	3.5600E+05			
P	55	77	132	4.4130E+07			
M	55	79	134	2.8570E+08	0.018	1.750	
M	55	81	136	1.4230E+05	0.236	1.750	
M	55	83	138	2.3240E+01	1.276	2.616	
M	55	84	139	2.5340E+01	1.125	1.503	
M	55	85	140	8.3530E+00	1.567	2.798	0.00
M	55	86	141	7.6050E+00	1.346	1.833	0.11
M	55	87	142	3.3440E+00	1.814	3.086	0.16
M	55	88	143	3.0550E+00	1.557	2.084	1.50
M	55	89	144	1.6130E+00	2.009	3.377	1.28
M	55	90	145	1.2180E+00	1.824	2.337	5.01

M	55	91	146	6.7670E-01	2.267	3.763	6.02
M	55	92	147	2.6630E-01	2.415	2.781	15.00
M	55	93	148	1.5860E-01	2.826	4.448	19.43
M	55	94	149	9.4180E-02	2.931	3.122	36.71
M	55	95	150	8.5030E-02	3.117	4.742	41.94
M	55	96	151	5.6210E-02	3.217	3.306	44.54
M	55	97	152	5.0620E-02	3.387	4.991	66.91
M	55	98	153	3.4370E-02	3.514	3.496	54.96
M	55	99	154	3.0710E-02	3.675	5.239	71.93
M	55	100	155	2.2800E-02	3.779	3.667	87.33
M	55	101	156	2.0500E-02	3.926	5.444	75.58
M	55	102	157	1.5000E-02	4.069	3.854	89.09
M	55	103	158	1.3900E-02	4.186	5.650	79.73
M	55	104	159	1.0460E-02	4.332	4.027	90.58
M	55	105	160	9.7820E-03	4.435	5.843	82.88
M	55	106	161	7.2870E-03	4.653	4.099	92.65
M	55	107	162	6.1260E-03	4.825	5.754	86.16
M	55	108	163	5.2910E-03	4.915	4.278	93.88
M	55	109	164	4.5620E-03	5.065	5.932	87.73
M	55	110	165	3.9290E-03	5.168	4.455	94.53
M	55	111	166	3.5420E-03	5.277	6.090	89.85
M	55	112	167	3.2680E-03	5.322	4.565	95.35
M	55	113	168	2.9820E-03	5.418	6.196	90.24
M	55	114	169	2.7410E-03	5.471	4.674	95.76
M	55	115	170	2.4030E-03	5.608	6.339	91.32
M	55	116	171	2.0770E-03	5.731	4.862	95.82
M	55	117	172	1.8160E-03	5.874	6.539	92.51
M	55	118	173	1.6550E-03	5.948	5.022	96.68
M	55	119	174	1.4790E-03	6.069	6.688	93.13
M	55	120	175	1.2120E-03	6.271	5.260	96.99
M	55	121	176	1.0610E-03	6.417	6.953	94.82
M	55	122	177	9.4820E-04	6.530	5.455	97.88
M	55	123	178	8.7010E-04	6.623	7.113	95.49
M	55	124	179	7.4910E-04	6.787	5.653	98.13
M	55	125	180	6.8320E-04	6.890	7.320	99.78
M	55	126	181	6.0660E-04	7.023	5.836	98.79
P	56	56	112	9.4950E-02			
P	56	57	113	1.7230E-01			
P	56	58	114	3.3870E-01			
P	56	59	115	5.8110E-01			
P	56	60	116	1.1930E+00			
P	56	61	117	2.0020E+00			
P	56	62	118	4.4060E+00			
P	56	63	119	7.7340E+00			
P	56	64	120	1.9300E+01			
P	56	65	121	3.3830E+01			
P	56	66	122	9.5160E+01			
P	56	67	123	1.1640E+02			
P	56	68	124	3.0780E+02			
P	56	69	125	4.6410E+02			
P	56	70	126	1.4880E+03			
P	56	71	127	3.5190E+03			
P	56	72	128	5.0510E+04			
P	56	73	129	2.5070E+04			

P	56	75	131	1.1000E+06			
M	56	83	139	5.2830E+02	0.619	1.045	
M	56	84	140	7.3670E+02	0.328	0.282	
M	56	85	141	9.2110E+01	0.891	1.268	
M	56	86	142	6.7320E+01	0.637	0.362	
M	56	87	143	2.1970E+01	1.102	1.614	
M	56	88	144	1.4700E+01	0.940	0.450	
M	56	89	145	7.8210E+00	1.292	1.880	
M	56	90	146	4.2090E+00	1.266	0.561	
M	56	91	147	3.1960E+00	1.502	2.105	
M	56	92	148	1.4960E+00	1.599	0.687	
M	56	93	149	7.8430E-01	1.944	2.463	0.08
M	56	94	150	2.6570E-01	2.319	1.000	0.36
M	56	95	151	1.7910E-01	2.574	2.882	3.07
M	56	96	152	1.2300E-01	2.707	1.190	5.08
M	56	97	153	9.6980E-02	2.883	3.077	8.41
M	56	98	154	6.7590E-02	3.041	1.363	10.03
M	56	99	155	5.4650E-02	3.204	3.277	15.58
M	56	100	156	4.0340E-02	3.353	1.534	16.07
M	56	101	157	3.4680E-02	3.477	3.448	23.33
M	56	102	158	2.5250E-02	3.659	1.708	23.04
M	56	103	159	2.2670E-02	3.752	3.622	32.16
M	56	104	160	1.6520E-02	3.954	1.882	30.34
M	56	105	161	1.5140E-02	4.063	3.665	39.18
M	56	106	162	1.2560E-02	4.194	2.124	35.89
M	56	107	163	1.0500E-02	4.332	3.841	47.88
M	56	108	164	8.7270E-03	4.472	2.306	46.60
M	56	109	165	7.5610E-03	4.584	4.010	56.00
M	56	110	166	6.4880E-03	4.706	2.463	50.37
M	56	111	167	5.6600E-03	4.815	4.168	60.58
M	56	112	168	5.2650E-03	4.870	2.578	57.62
M	56	113	169	4.5580E-03	4.989	4.289	63.27
M	56	114	170	4.0620E-03	5.088	2.731	59.95
M	56	115	171	3.7490E-03	5.148	4.403	64.68
M	56	116	172	3.3530E-03	5.248	2.847	60.95
M	56	117	173	3.0590E-03	5.321	4.526	71.49
M	56	118	174	2.5980E-03	5.477	3.012	61.11
M	56	119	175	2.2210E-03	5.620	4.741	67.34
M	56	120	176	1.8460E-03	5.809	3.253	67.94
M	56	121	177	1.6000E-03	5.943	4.977	79.71
M	56	122	178	1.3560E-03	6.121	3.485	74.94
M	56	123	179	1.2060E-03	6.233	5.193	84.75
M	56	124	180	1.0330E-03	6.407	3.701	80.36
M	56	125	181	9.1550E-04	6.527	5.415	96.71
M	56	126	182	7.8650E-04	6.706	3.931	85.35

P	57	59	116	2.3320E-01			
P	57	60	117	4.9050E-01			
P	57	61	118	7.1210E-01			
P	57	62	119	1.5840E+00			
P	57	63	120	2.2830E+00			
P	57	64	121	5.7780E+00			
P	57	65	122	7.8330E+00			
P	57	66	123	2.2490E+01			
P	57	67	124	2.3200E+01			

P	57	68	125	5.8950E+01			
P	57	69	126	6.2300E+01			
P	57	70	127	2.1140E+02			
P	57	71	128	2.3940E+02			
P	57	72	129	1.1180E+03			
P	57	73	130	1.4170E+03			
P	57	74	131	7.6980E+03			
P	57	75	132	4.9640E+03			
P	57	76	133	2.9990E+04			
P	57	77	134	2.1830E+04			
P	57	78	135	2.8490E+07			
P	57	79	136	2.8010E+05			
P	57	81	138	4.3480E+06			
M	57	83	140	4.2530E+02	0.612	2.395	
M	57	84	141	6.2590E+02	0.568	1.037	
M	57	85	142	7.5890E+01	0.937	2.504	
M	57	86	143	1.0410E+02	0.876	1.185	
M	57	87	144	2.3250E+01	1.249	2.593	
M	57	88	145	2.7330E+01	1.081	1.488	
M	57	89	146	9.6450E+00	1.495	2.742	
M	57	90	147	8.2540E+00	1.292	1.810	0.00
M	57	91	148	4.6670E+00	1.687	2.946	0.00
M	57	92	149	2.9500E+00	1.527	2.088	0.20
M	57	93	150	1.7320E+00	1.947	3.327	0.36
M	57	94	151	9.8180E-01	1.854	2.385	3.18
M	57	95	152	3.9030E-01	2.413	3.998	6.47
M	57	96	153	2.0640E-01	2.483	2.839	15.02
M	57	97	154	1.3690E-01	2.837	4.486	24.09
M	57	98	155	1.0400E-01	2.817	3.058	36.76
M	57	99	156	7.6900E-02	3.109	4.755	36.77
M	57	100	157	5.9190E-02	3.123	3.255	49.70
M	57	101	158	4.8230E-02	3.351	4.976	50.31
M	57	102	159	3.5550E-02	3.425	3.448	59.72
M	57	103	160	3.0600E-02	3.609	5.198	72.30
M	57	104	161	2.1670E-02	3.779	3.528	61.71
M	57	105	162	1.7300E-02	3.986	5.135	59.38
M	57	106	163	1.4610E-02	4.052	3.706	71.05
M	57	107	164	1.1940E-02	4.243	5.327	81.21
M	57	108	165	1.0060E-02	4.326	3.887	91.62
M	57	109	166	8.6000E-03	4.481	5.504	84.09
M	57	110	167	7.5790E-03	4.540	4.032	92.61
M	57	111	168	6.4420E-03	4.700	5.667	85.79
M	57	112	169	5.8400E-03	4.743	4.171	93.34
M	57	113	170	5.2750E-03	4.850	5.779	86.73
M	57	114	171	4.5950E-03	4.937	4.306	94.07
M	57	115	172	4.0570E-03	5.064	5.938	88.40
M	57	116	173	3.6290E-03	5.134	4.445	94.84
M	57	117	174	3.5560E-03	5.162	6.013	88.87
M	57	118	175	2.9910E-03	5.296	4.562	94.36
M	57	119	176	2.4390E-03	5.505	6.268	89.85
M	57	120	177	2.0970E-03	5.631	4.802	95.60
M	57	121	178	1.8660E-03	5.754	6.455	92.24
M	57	122	179	1.6260E-03	5.875	4.981	96.32
M	57	123	180	1.4300E-03	6.013	6.652	93.51
M	57	124	181	1.2060E-03	6.181	5.206	97.14

M	57	125	182	1.0260E-03	6.360	6.916	94.59
M	57	126	183	8.3450E-04	6.585	5.507	97.70
M	57	127	184	6.6380E-04	6.857	7.294	95.83
P	58	59	117	1.2440E-01			
P	58	60	118	2.5660E-01			
P	58	61	119	4.1310E-01			
P	58	62	120	8.1600E-01			
P	58	63	121	1.3430E+00			
P	58	64	122	2.8390E+00			
P	58	65	123	4.9180E+00			
P	58	66	124	1.1430E+01			
P	58	67	125	1.7360E+01			
P	58	68	126	3.0010E+01			
P	58	69	127	4.4000E+01			
P	58	70	128	1.0710E+02			
P	58	71	129	1.6090E+02			
P	58	72	130	3.9710E+02			
P	58	73	131	8.1320E+02			
P	58	74	132	3.1020E+03			
P	58	75	133	6.6560E+03			
P	58	76	134	1.8120E+05			
P	58	77	135	2.6550E+04			
P	58	79	137	2.7360E+05			
M	58	83	141	2.2720E+07	0.018	1.000	
M	58	85	143	5.8020E+03	0.291	1.010	
M	58	86	144	1.5700E+05	0.056	0.252	
M	58	87	145	5.2460E+02	0.603	1.046	
M	58	88	146	7.8970E+02	0.310	0.280	
M	58	89	147	1.2000E+02	0.829	1.219	
M	58	90	148	7.5900E+01	0.598	0.355	
M	58	91	149	3.5270E+01	0.996	1.498	
M	58	92	150	1.7440E+01	0.876	0.435	
M	58	93	151	7.6960E+00	1.262	1.882	
M	58	94	152	4.2450E+00	1.233	0.554	
M	58	95	153	2.3630E+00	1.549	2.172	
M	58	96	154	9.7370E-01	1.721	0.743	0.00
M	58	97	155	4.4500E-01	2.123	2.599	0.21
M	58	98	156	2.2610E-01	2.350	1.024	0.71
M	58	99	157	1.7530E-01	2.532	2.865	4.15
M	58	100	158	1.1180E-01	2.705	1.199	4.20
M	58	101	159	9.2270E-02	2.854	3.067	9.26
M	58	102	160	6.4010E-02	3.015	1.361	8.04
M	58	103	161	5.3070E-02	3.186	3.118	15.20
M	58	104	162	4.3920E-02	3.281	1.580	14.48
M	58	105	163	3.3290E-02	3.468	3.293	22.69
M	58	106	164	2.7800E-02	3.570	1.752	23.90
M	58	107	165	2.2080E-02	3.733	3.461	31.27
M	58	108	166	1.8510E-02	3.844	1.921	32.17
M	58	109	167	1.5320E-02	3.982	3.622	39.29
M	58	110	168	1.3640E-02	4.056	2.056	35.72
M	58	111	169	1.1510E-02	4.183	3.754	44.46
M	58	112	170	1.0180E-02	4.268	2.195	40.53
M	58	113	171	8.9520E-03	4.365	3.875	49.31
M	58	114	172	8.0770E-03	4.438	2.309	44.49

M	58	115	173	6.9850E-03	4.551	4.002	54.14
M	58	116	174	6.1410E-03	4.651	2.455	51.44
M	58	117	175	6.6640E-03	4.569	4.017	57.56
M	58	118	176	6.3870E-03	4.594	2.424	47.18
M	58	119	177	5.1020E-03	4.781	4.163	55.36
M	58	120	178	4.2390E-03	4.940	2.660	57.06
M	58	121	179	3.5670E-03	5.088	4.378	64.93
M	58	122	180	3.0360E-03	5.235	2.868	64.19
M	58	123	181	2.7000E-03	5.334	4.554	69.18
M	58	124	182	2.3630E-03	5.460	3.032	69.51
M	58	125	183	2.1580E-03	5.536	4.701	74.45
M	58	126	184	1.8800E-03	5.671	3.188	74.02
P	59	60	119	1.1330E-01			
P	59	61	120	1.7940E-01			
P	59	62	121	3.6060E-01			
P	59	63	122	5.3350E-01			
P	59	64	123	1.1350E+00			
P	59	65	124	1.6610E+00			
P	59	66	125	3.8500E+00			
P	59	67	126	5.2900E+00			
P	59	68	127	9.7450E+00			
P	59	69	128	9.4310E+00			
P	59	70	129	2.4400E+01			
P	59	71	130	2.9040E+01			
P	59	72	131	8.3490E+01			
P	59	73	132	9.4950E+01			
P	59	74	133	3.3180E+02			
P	59	75	134	4.2190E+02			
P	59	76	135	1.9610E+03			
P	59	77	136	1.7020E+03			
P	59	78	137	7.7670E+03			
P	59	79	138	3.6620E+03			
P	59	80	139	1.8830E+04			
P	59	81	140	1.0580E+04			
M	59	83	142	1.5750E+05	0.219	1.750	
M	59	85	144	4.4030E+03	0.367	2.175	
M	59	86	145	7.1630E+03	0.261	1.009	
M	59	87	146	3.9240E+02	0.604	2.387	
M	59	88	147	6.3590E+02	0.550	1.037	
M	59	89	148	9.3520E+01	0.866	2.470	
M	59	90	149	1.2440E+02	0.824	1.158	
M	59	91	150	3.4810E+01	1.110	2.530	
M	59	92	151	3.5310E+01	1.011	1.425	
M	59	93	152	9.0020E+00	1.485	2.738	
M	59	94	153	8.9640E+00	1.241	1.787	
M	59	95	154	3.1900E+00	1.753	3.066	0.00
M	59	96	155	2.5850E+00	1.525	2.116	0.36
M	59	97	156	1.2160E+00	2.007	3.461	0.66
M	59	98	157	5.5360E-01	2.020	2.530	5.38
M	59	99	158	2.9170E-01	2.473	4.107	8.49
M	59	100	159	1.7510E-01	2.509	2.867	20.17
M	59	101	160	1.4220E-01	2.763	4.435	27.67
M	59	102	161	8.7870E-02	2.875	2.964	27.98
M	59	103	162	6.4180E-02	3.137	4.479	33.60

M	59	104	163	5.3110E-02	3.154	3.138	44.42
M	59	105	164	4.0370E-02	3.391	4.685	44.55
M	59	106	165	3.2780E-02	3.444	3.321	55.13
M	59	107	166	2.5580E-02	3.664	4.897	55.99
M	59	108	167	2.1840E-02	3.704	3.487	67.02
M	59	109	168	1.7760E-02	3.895	5.074	78.69
M	59	110	169	1.6130E-02	3.905	3.618	75.44
M	59	111	170	1.3380E-02	4.081	5.214	80.84
M	59	112	171	1.1950E-02	4.113	3.756	91.17
M	59	113	172	1.0160E-02	4.270	5.355	82.79
M	59	114	173	9.1850E-03	4.301	3.883	92.05
M	59	115	174	8.0110E-03	4.438	5.481	84.17
M	59	116	175	7.0980E-03	4.494	4.014	92.90
M	59	117	176	6.9120E-03	4.538	5.556	85.79
M	59	118	177	7.0400E-03	4.478	4.007	93.11
M	59	119	178	5.7360E-03	4.673	5.657	85.64
M	59	120	179	4.9780E-03	4.758	4.199	93.73
M	59	121	180	4.1560E-03	4.934	5.852	87.69
M	59	122	181	3.4740E-03	5.066	4.414	94.68
M	59	123	182	3.0280E-03	5.205	6.054	90.04
M	59	124	183	2.6350E-03	5.310	4.588	95.39
M	59	125	184	2.4090E-03	5.403	6.203	91.68
M	59	126	185	2.1450E-03	5.492	4.721	96.29
P	60	60	120	6.1900E-02			
P	60	61	121	9.9550E-02			
P	60	62	122	1.9340E-01			
P	60	63	123	3.1520E-01			
P	60	64	124	6.1000E-01			
P	60	65	125	1.0160E+00			
P	60	66	126	2.0610E+00			
P	60	67	127	3.4690E+00			
P	60	68	128	6.3740E+00			
P	60	69	129	6.7540E+00			
P	60	70	130	1.4460E+01			
P	60	71	131	2.0420E+01			
P	60	72	132	4.3480E+01			
P	60	73	133	6.6810E+01			
P	60	74	134	1.5410E+02			
P	60	75	135	2.2570E+02			
P	60	76	136	6.7400E+02			
P	60	77	137	1.4720E+03			
P	60	78	138	3.8660E+03			
P	60	79	139	4.0190E+03			
P	60	80	140	2.3210E+04			
P	60	81	141	1.2280E+04			
M	60	87	147	1.3220E+07	0.021	1.000	
M	60	89	149	1.0450E+04	0.233	1.008	
M	60	90	150	5.9540E+05	0.034	0.251	
M	60	91	151	6.8850E+02	0.544	1.037	
M	60	92	152	1.5840E+03	0.240	0.272	
M	60	93	153	1.0980E+02	0.818	1.240	
M	60	94	154	9.2940E+01	0.549	0.344	
M	60	95	155	2.0140E+01	1.056	1.640	
M	60	96	156	1.0140E+01	0.978	0.470	

M	60	97	157	5.4330E+00	1.306	1.963	
M	60	98	158	2.7250E+00	1.336	0.596	
M	60	99	159	1.4250E+00	1.665	2.286	0.00
M	60	100	160	5.0300E-01	1.948	0.846	0.02
M	60	101	161	3.0650E-01	2.245	2.554	0.58
M	60	102	162	2.0410E-01	2.394	1.105	1.61
M	60	103	163	1.4740E-01	2.584	2.758	4.48
M	60	104	164	1.0810E-01	2.714	1.274	5.27
M	60	105	165	8.4040E-02	2.871	2.931	9.85
M	60	106	166	6.5540E-02	2.987	1.425	10.81
M	60	107	167	5.1320E-02	3.145	3.099	16.93
M	60	108	168	4.0910E-02	3.264	1.585	17.23
M	60	109	169	3.3080E-02	3.408	3.263	24.61
M	60	110	170	2.8630E-02	3.483	1.717	23.83
M	60	111	171	2.4020E-02	3.606	3.389	29.86
M	60	112	172	2.0930E-02	3.684	1.841	28.75
M	60	113	173	1.7530E-02	3.811	3.521	35.23
M	60	114	174	1.5980E-02	3.863	1.955	31.72
M	60	115	175	1.3640E-02	3.979	3.631	39.98
M	60	116	176	1.1880E-02	4.070	2.089	39.08
M	60	117	177	1.0710E-02	4.146	3.742	45.77
M	60	118	178	1.0740E-02	4.129	2.131	40.96
M	60	119	179	9.2140E-03	4.245	3.810	44.65
M	60	120	180	7.7640E-03	4.372	2.293	42.26
M	60	121	181	6.7010E-03	4.487	3.974	50.85
M	60	122	182	5.5870E-03	4.633	2.469	49.63
M	60	123	183	4.7530E-03	4.765	4.165	58.60
M	60	124	184	4.0340E-03	4.904	2.657	58.12
M	60	125	185	3.6140E-03	4.993	4.326	66.62
M	60	126	186	3.2040E-03	5.098	2.796	60.83
M	60	128	188	1.3690E-03	5.949	3.399	100.00
M	60	136	196	6.3380E-04	6.741	4.018	100.00
P	61	63	124	1.4320E-01			
P	61	64	125	2.8620E-01			
P	61	65	126	4.3850E-01			
P	61	66	127	8.9290E-01			
P	61	67	128	1.3170E+00			
P	61	68	129	2.9300E+00			
P	61	69	130	2.7760E+00			
P	61	70	131	4.2190E+00			
P	61	71	132	6.1770E+00			
P	61	72	133	1.3300E+01			
P	61	73	134	1.5930E+01			
P	61	74	135	3.6680E+01			
P	61	75	136	4.1170E+01			
P	61	76	137	1.0720E+02			
P	61	77	138	1.4690E+02			
P	61	78	139	4.8600E+02			
P	61	79	140	4.2590E+02			
P	61	80	141	1.1550E+03			
P	61	81	142	9.6310E+02			
P	61	83	144	7.0380E+06			
M	61	87	148	2.3510E+05	0.187	1.750	
M	61	89	150	7.7330E+03	0.324	2.106	

M	61	90	151	2.8780E+04	0.159	1.004	
M	61	91	152	5.0200E+02	0.550	2.357	
M	61	92	153	9.0880E+02	0.480	1.031	
M	61	93	154	8.6070E+01	0.864	2.456	
M	61	94	155	1.4360E+02	0.780	1.137	
M	61	95	156	2.4850E+01	1.180	2.542	
M	61	96	157	2.1310E+01	1.062	1.557	
M	61	97	158	7.2520E+00	1.513	2.775	
M	61	98	159	5.2800E+00	1.319	1.924	0.00
M	61	99	160	2.5470E+00	1.775	3.134	0.02
M	61	100	161	1.3340E+00	1.668	2.203	0.75
M	61	101	162	5.6690E-01	2.148	3.552	1.80
M	61	102	163	3.2010E-01	2.206	2.554	7.47
M	61	103	164	1.9160E-01	2.564	3.987	11.20
M	61	104	165	1.5190E-01	2.543	2.764	20.12
M	61	105	166	9.8560E-02	2.865	4.261	22.18
M	61	106	167	8.1520E-02	2.859	2.960	37.26
M	61	107	168	6.0530E-02	3.108	4.467	35.01
M	61	108	169	4.8870E-02	3.143	3.137	47.48
M	61	109	170	3.8460E-02	3.356	4.666	46.84
M	61	110	171	3.3900E-02	3.356	3.272	53.44
M	61	111	172	2.8020E-02	3.536	4.808	54.63
M	61	112	173	2.4710E-02	3.549	3.396	64.03
M	61	113	174	1.9790E-02	3.749	4.971	60.57
M	61	114	175	1.7840E-02	3.759	3.533	70.67
M	61	115	176	1.4940E-02	3.927	5.107	80.04
M	61	116	177	1.3450E-02	3.948	3.657	72.61
M	61	117	178	1.1880E-02	4.076	5.219	81.76
M	61	118	179	1.1360E-02	4.057	3.731	77.58
M	61	119	180	1.0320E-02	4.163	5.285	82.44
M	61	120	181	8.7060E-03	4.248	3.860	76.46
M	61	121	182	7.4400E-03	4.399	5.461	84.27
M	61	122	183	6.2580E-03	4.500	4.031	92.86
M	61	123	184	5.3040E-03	4.660	5.655	86.48
M	61	124	185	4.4490E-03	4.777	4.223	94.06
M	61	125	186	3.9400E-03	4.900	5.834	88.82
M	61	126	187	3.5050E-03	4.973	4.361	94.69
M	61	128	189	1.4750E-03	5.820	4.959	100.00
M	61	130	191	1.2940E-03	5.937	5.049	100.00
M	61	132	193	1.1640E-03	6.029	5.122	100.00
M	61	134	195	9.1000E-04	6.283	5.313	100.00
M	61	136	197	6.9970E-04	6.568	5.530	100.00
M	61	138	199	5.6840E-04	6.797	5.707	100.00
M	61	140	201	4.8250E-04	6.976	5.849	100.00
P	62	63	125	7.9750E-02			
P	62	64	126	1.5250E-01			
P	62	65	127	2.5970E-01			
P	62	66	128	4.8980E-01			
P	62	67	129	7.8560E-01			
P	62	68	130	1.5610E+00			
P	62	69	131	2.6510E+00			
P	62	70	132	3.2390E+00			
P	62	71	133	3.5790E+00			
P	62	72	134	6.9770E+00			

P	62	73	135	1.0290E+01			
P	62	74	136	1.9570E+01			
P	62	75	137	2.8890E+01			
P	62	76	138	5.6310E+01			
P	62	77	139	7.8410E+01			
P	62	78	140	1.6370E+02			
P	62	79	141	2.7490E+02			
P	62	80	142	5.2880E+02			
P	62	81	143	6.8730E+02			
M	62	93	155	8.0670E+03	0.246	1.008	
M	62	94	156	6.8960E+05	0.031	0.251	
M	62	95	157	6.7720E+02	0.533	1.037	
M	62	96	158	5.9690E+02	0.314	0.283	
M	62	97	159	8.2720E+01	0.834	1.302	
M	62	98	160	3.4060E+01	0.700	0.386	
M	62	99	161	1.1800E+01	1.071	1.768	
M	62	100	162	6.4580E+00	1.099	0.534	
M	62	101	163	3.0720E+00	1.391	2.022	
M	62	102	164	1.6390E+00	1.506	0.696	
M	62	103	165	6.5990E-01	1.892	2.346	0.02
M	62	104	166	4.5640E-01	1.987	0.913	0.19
M	62	105	167	2.6860E-01	2.257	2.567	1.34
M	62	106	168	1.9630E-01	2.363	1.100	2.12
M	62	107	169	1.3430E-01	2.578	2.760	4.89
M	62	108	170	1.0650E-01	2.667	1.261	6.48
M	62	109	171	7.9700E-02	2.844	2.921	10.67
M	62	110	172	6.4560E-02	2.937	1.411	11.17
M	62	111	173	5.4160E-02	3.052	3.049	16.76
M	62	112	174	4.6620E-02	3.118	1.516	15.70
M	62	113	175	3.7940E-02	3.255	3.175	21.11
M	62	114	176	3.2810E-02	3.326	1.640	20.60
M	62	115	177	2.6440E-02	3.474	3.314	26.53
M	62	116	178	2.4370E-02	3.509	1.753	27.03
M	62	117	179	2.0880E-02	3.618	3.407	30.15
M	62	118	180	1.9060E-02	3.664	1.850	28.08
M	62	119	181	1.7620E-02	3.719	3.473	32.39
M	62	120	182	1.4820E-02	3.829	1.957	29.33
M	62	121	183	1.2760E-02	3.938	3.617	36.86
M	62	122	184	1.0400E-02	4.081	2.120	35.81
M	62	123	185	8.7960E-03	4.208	3.797	41.55
M	62	124	186	7.1410E-03	4.365	2.308	41.06
M	62	125	187	6.1620E-03	4.481	3.983	52.62
M	62	126	188	5.3830E-03	4.586	2.459	51.10
M	62	128	190	2.0970E-03	5.453	3.057	89.98
M	62	130	192	1.8380E-03	5.565	3.143	100.00
M	62	132	194	1.6310E-03	5.666	3.223	90.75
M	62	134	196	1.4000E-03	5.803	3.329	89.31
M	62	136	198	1.0840E-03	6.060	3.523	90.13
M	62	138	200	7.8860E-04	6.402	3.782	92.44
M	62	140	202	6.5290E-04	6.602	3.940	100.00
M	62	142	204	5.5480E-04	6.776	4.080	100.00
P	63	67	130	3.4910E-01			
P	63	68	131	6.8210E-01			
P	63	69	132	1.0150E+00			

P	63	70	133	2.0920E+00			
P	63	71	134	1.9700E+00			
P	63	72	135	2.9080E+00			
P	63	73	136	3.6600E+00			
P	63	74	137	7.0540E+00			
P	63	75	138	8.3700E+00			
P	63	76	139	1.6770E+01			
P	63	77	140	1.8690E+01			
P	63	78	141	3.4190E+01			
P	63	79	142	3.8900E+01			
P	63	80	143	9.9170E+01			
P	63	81	144	1.1730E+02			
P	63	82	145	1.7200E+04			
P	63	83	146	1.0790E+04			
P	63	84	147	4.4200E+05			
P	63	85	148	1.6920E+05			
P	63	87	150	2.8420E+06			
M	63	91	154	6.8580E+05	0.126	1.750	
M	63	93	156	9.1260E+03	0.303	2.089	
M	63	94	157	1.1030E+04	0.212	1.007	
M	63	95	158	4.5680E+02	0.547	2.348	
M	63	96	159	5.5230E+02	0.543	1.038	
M	63	97	160	7.5000E+01	0.875	2.445	
M	63	98	161	7.0660E+01	0.795	1.375	
M	63	99	162	1.2140E+01	1.314	2.467	
M	63	100	163	1.0770E+01	1.097	1.754	
M	63	101	164	3.0250E+00	1.635	2.898	
M	63	102	165	2.7620E+00	1.417	2.033	0.08
M	63	103	166	1.0240E+00	1.922	3.300	0.29
M	63	104	167	7.7330E-01	1.817	2.313	3.55
M	63	105	168	3.6510E-01	2.261	3.701	4.13
M	63	106	169	2.6350E-01	2.243	2.584	12.10
M	63	107	170	1.6280E-01	2.582	4.022	15.11
M	63	108	171	1.3460E-01	2.550	2.774	23.29
M	63	109	172	9.6410E-02	2.817	4.234	25.54
M	63	110	173	7.7420E-02	2.829	2.947	37.41
M	63	111	174	6.0690E-02	3.045	4.427	36.23
M	63	112	175	5.3070E-02	3.031	3.074	46.54
M	63	113	176	4.3340E-02	3.220	4.569	44.14
M	63	114	177	3.7300E-02	3.230	3.200	47.99
M	63	115	178	2.9160E-02	3.444	4.746	51.66
M	63	116	179	2.8700E-02	3.382	3.298	58.61
M	63	117	180	2.3620E-02	3.561	4.838	53.41
M	63	118	181	2.1310E-02	3.565	3.416	62.22
M	63	119	182	1.9010E-02	3.688	4.936	56.87
M	63	120	183	1.6590E-02	3.723	3.520	59.93
M	63	121	184	1.4500E-02	3.858	5.064	58.37
M	63	122	185	1.1810E-02	3.954	3.673	68.57
M	63	123	186	9.9960E-03	4.112	5.256	69.69
M	63	124	187	8.2800E-03	4.212	3.846	77.19
M	63	125	188	7.1380E-03	4.356	5.437	85.01
M	63	126	189	6.1140E-03	4.441	4.002	93.03
M	63	127	190	2.6690E-03	5.199	6.059	89.03
M	63	128	191	2.2810E-03	5.324	4.611	97.92
M	63	130	193	1.9860E-03	5.439	4.698	100.00

M	63	131	194	1.9200E-03	5.476	6.270	99.71
M	63	132	195	1.7550E-03	5.542	4.776	98.18
M	63	133	196	1.6860E-03	5.584	6.354	99.73
M	63	134	197	1.5530E-03	5.646	4.856	97.88
M	63	135	198	1.4320E-03	5.730	6.467	97.54
M	63	136	199	1.3260E-03	5.789	4.965	98.03
M	63	137	200	1.1860E-03	5.908	6.604	97.75
M	63	138	201	9.7610E-04	6.103	5.198	98.46
M	63	140	203	7.3060E-04	6.414	5.432	100.00
M	63	142	205	6.0730E-04	6.610	5.585	100.00
M	63	144	207	5.0920E-04	6.802	5.735	100.00
M	63	146	209	4.2280E-04	7.012	5.901	100.00
P	64	67	131	2.0990E-01			
P	64	68	132	3.6760E-01			
P	64	69	133	5.8030E-01			
P	64	70	134	1.0990E+00			
P	64	71	135	1.7160E+00			
P	64	72	136	2.1700E+00			
P	64	73	137	2.4640E+00			
P	64	74	138	3.9410E+00			
P	64	75	139	5.7610E+00			
P	64	76	140	9.1920E+00			
P	64	77	141	1.2140E+01			
P	64	78	142	1.7880E+01			
P	64	79	143	2.3030E+01			
P	64	80	144	3.6530E+01			
P	64	81	145	6.6260E+01			
P	64	82	146	3.3810E+04			
P	64	83	147	1.4040E+04			
P	64	85	149	1.6250E+05			
M	64	97	161	6.6340E+03	0.261	1.010	
M	64	98	162	1.0810E+05	0.060	0.253	
M	64	99	163	3.7900E+02	0.572	1.147	
M	64	100	164	3.2470E+02	0.379	0.311	
M	64	101	165	2.9600E+01	0.882	1.593	
M	64	102	166	1.8190E+01	0.832	0.443	
M	64	103	167	4.5840E+00	1.259	1.936	
M	64	104	168	3.4580E+00	1.243	0.594	
M	64	105	169	1.5400E+00	1.563	2.147	
M	64	106	170	9.6620E-01	1.657	0.768	0.00
M	64	107	171	5.1180E-01	1.947	2.386	0.19
M	64	108	172	3.5050E-01	2.056	0.955	0.49
M	64	109	173	2.3530E-01	2.268	2.579	1.95
M	64	110	174	1.7660E-01	2.364	1.111	2.68
M	64	111	175	1.3410E-01	2.525	2.734	5.64
M	64	112	176	1.1090E-01	2.590	1.231	6.17
M	64	113	177	9.0470E-02	2.717	2.851	9.28
M	64	114	178	7.2720E-02	2.809	1.353	9.24
M	64	115	179	5.5860E-02	2.973	3.008	14.86
M	64	116	180	5.4830E-02	2.958	1.439	14.20
M	64	117	181	4.4820E-02	3.089	3.081	16.07
M	64	118	182	3.9760E-02	3.139	1.546	13.42
M	64	119	183	3.3760E-02	3.249	3.181	19.12
M	64	120	184	2.8900E-02	3.329	1.661	16.66

M	64	121	185	2.5670E-02	3.411	3.284	23.61
M	64	122	186	2.0310E-02	3.551	1.798	19.87
M	64	123	187	1.7250E-02	3.666	3.449	30.01
M	64	124	188	1.3740E-02	3.814	1.965	26.97
M	64	125	189	1.2050E-02	3.909	3.609	38.02
M	64	126	190	1.0320E-02	4.013	2.095	32.92
M	64	127	191	4.1690E-03	4.761	4.184	48.23
M	64	128	192	3.6690E-03	4.868	2.663	84.17
M	64	130	194	2.9810E-03	5.040	2.787	80.28
M	64	131	195	2.8570E-03	5.067	4.404	95.67
M	64	132	196	2.5740E-03	5.159	2.876	81.49
M	64	133	197	2.4650E-03	5.187	4.492	95.74
M	64	134	198	2.2340E-03	5.275	2.965	77.34
M	64	135	199	2.0570E-03	5.343	4.607	83.21
M	64	136	200	1.8920E-03	5.419	3.073	82.29
M	64	137	201	1.7230E-03	5.499	4.724	84.12
M	64	138	202	1.5500E-03	5.602	3.210	84.11
M	64	140	204	1.1330E-03	5.914	3.443	83.69
M	64	142	206	8.5760E-04	6.203	3.663	90.98
M	64	144	208	6.9570E-04	6.423	3.834	93.89
M	64	146	210	5.7740E-04	6.622	3.992	100.00
M	64	148	212	4.7610E-04	6.836	4.163	100.00
P	65	70	135	5.0210E-01			
P	65	71	136	7.1270E-01			
P	65	72	137	1.2980E+00			
P	65	73	138	1.4670E+00			
P	65	74	139	2.0220E+00			
P	65	75	140	2.0880E+00			
P	65	76	141	3.9270E+00			
P	65	77	142	4.4110E+00			
P	65	78	143	7.1890E+00			
P	65	79	144	7.1170E+00			
P	65	80	145	1.0510E+01			
P	65	81	146	1.1770E+01			
P	65	82	147	5.3780E+02			
P	65	83	148	8.0610E+02			
P	65	84	149	3.5530E+03			
P	65	85	150	2.4420E+03			
P	65	86	151	1.1460E+04			
P	65	87	152	6.8400E+03			
P	65	88	153	6.8600E+04			
P	65	89	154	3.3230E+04			
P	65	91	156	1.6540E+06			
M	65	95	160	3.5160E+05	0.156	1.750	
M	65	97	162	1.9370E+03	0.346	2.082	
M	65	98	163	9.0960E+03	0.224	1.008	
M	65	99	164	1.6930E+02	0.692	2.157	
M	65	100	165	4.0940E+02	0.564	1.092	
M	65	101	166	2.9750E+01	1.082	2.274	
M	65	102	167	3.0710E+01	0.888	1.539	
M	65	103	168	5.0330E+00	1.487	2.706	
M	65	104	169	4.4270E+00	1.265	1.926	0.00
M	65	105	170	2.0020E+00	1.703	3.027	0.04
M	65	106	171	1.5270E+00	1.555	2.146	0.73

M	65	107	172	6.9020E-01	2.002	3.428	1.25
M	65	108	173	5.3090E-01	1.914	2.385	6.37
M	65	109	174	3.0090E-01	2.285	3.748	6.99
M	65	110	175	2.3310E-01	2.247	2.594	13.40
M	65	111	176	1.5630E-01	2.546	4.005	16.90
M	65	112	177	1.3250E-01	2.503	2.752	23.15
M	65	113	178	1.0140E-01	2.734	4.177	24.76
M	65	114	179	8.6280E-02	2.711	2.882	35.56
M	65	115	180	6.4080E-02	2.954	4.365	33.73
M	65	116	181	6.2290E-02	2.877	2.986	42.74
M	65	117	182	5.0820E-02	3.066	4.458	36.37
M	65	118	183	4.6340E-02	3.034	3.085	44.25
M	65	119	184	3.6900E-02	3.234	4.594	39.60
M	65	120	185	3.2980E-02	3.227	3.208	50.11
M	65	121	186	2.8780E-02	3.369	4.700	45.63
M	65	122	187	2.3100E-02	3.442	3.346	52.40
M	65	123	188	1.9240E-02	3.611	4.887	48.94
M	65	124	189	1.5570E-02	3.697	3.513	62.07
M	65	125	190	1.3600E-02	3.832	5.055	62.82
M	65	126	191	1.1420E-02	3.906	3.651	65.43
M	65	127	192	4.3000E-03	4.719	5.712	74.53
M	65	128	193	3.9400E-03	4.762	4.227	97.31
M	65	129	194	3.6910E-03	4.833	5.798	93.66
M	65	130	195	3.2240E-03	4.924	4.343	97.02
M	65	131	196	3.1040E-03	4.968	5.900	93.03
M	65	132	197	2.7790E-03	5.041	4.429	97.05
M	65	133	198	2.6660E-03	5.088	5.992	93.60
M	65	134	199	2.4020E-03	5.159	4.516	96.96
M	65	135	200	2.2120E-03	5.245	6.110	93.84
M	65	136	201	2.0550E-03	5.290	4.613	97.36
M	65	137	202	1.8750E-03	5.385	6.218	94.27
M	65	138	203	1.7070E-03	5.454	4.734	97.65
M	65	139	204	1.5650E-03	5.544	6.340	94.83
M	65	140	205	1.3780E-03	5.654	4.883	97.85
M	65	141	206	1.2040E-03	5.796	6.532	95.63
M	65	142	207	1.0180E-03	5.958	5.109	98.08
M	65	143	208	8.9990E-04	6.091	6.758	98.01
M	65	144	209	7.7380E-04	6.245	5.325	98.67
M	65	146	211	6.3810E-04	6.447	5.481	100.00
M	65	148	213	5.1830E-04	6.674	5.657	100.00
M	65	150	215	4.2700E-04	6.891	5.828	100.00
P	66	71	137	4.2550E-01			
P	66	72	138	6.9990E-01			
P	66	73	139	1.0510E+00			
P	66	74	140	1.6530E+00			
P	66	75	141	1.6580E+00			
P	66	76	142	2.1890E+00			
P	66	77	143	2.7330E+00			
P	66	78	144	4.2290E+00			
P	66	79	145	4.6230E+00			
P	66	80	146	6.1420E+00			
P	66	81	147	8.4070E+00			
P	66	82	148	2.1340E+02			
P	66	83	149	3.6290E+02			

P	66	84	150	1.1250E+03			
P	66	85	151	2.3610E+03			
P	66	86	152	9.2010E+03			
P	66	87	153	8.9990E+03			
P	66	89	155	4.3830E+04			
M	66	99	165	2.3100E+08	0.007	1.000	
M	66	101	167	4.7860E+03	0.282	1.012	
M	66	102	168	1.1590E+04	0.122	0.259	
M	66	103	169	1.8910E+02	0.628	1.256	
M	66	104	170	4.1150E+01	0.657	0.388	
M	66	105	171	1.2430E+01	1.011	1.745	
M	66	106	172	8.1120E+00	0.991	0.502	
M	66	107	173	3.2340E+00	1.317	1.989	
M	66	108	174	1.9990E+00	1.378	0.653	
M	66	109	175	1.0190E+00	1.661	2.216	0.00
M	66	110	176	7.0460E-01	1.735	0.810	0.03
M	66	111	177	4.1450E-01	1.987	2.417	0.36
M	66	112	178	3.2130E-01	2.048	0.959	0.74
M	66	113	179	2.3220E-01	2.224	2.559	2.11
M	66	114	180	1.8670E-01	2.286	1.081	2.47
M	66	115	181	1.4710E-01	2.426	2.681	4.88
M	66	116	182	1.3130E-01	2.448	1.167	4.35
M	66	117	183	1.0550E-01	2.580	2.775	6.18
M	66	118	184	9.4180E-02	2.608	1.256	5.78
M	66	119	185	7.2090E-02	2.770	2.891	8.41
M	66	120	186	6.2990E-02	2.818	1.374	8.84
M	66	121	187	5.5260E-02	2.905	2.975	11.59
M	66	122	188	4.2990E-02	3.029	1.497	10.86
M	66	123	189	3.5200E-02	3.160	3.134	16.50
M	66	124	190	2.7320E-02	3.300	1.660	16.91
M	66	125	191	2.3260E-02	3.410	3.294	23.68
M	66	126	192	1.9140E-02	3.524	1.799	20.69
M	66	127	193	6.5730E-03	4.328	3.898	36.38
M	66	128	194	5.9590E-03	4.398	2.359	69.71
M	66	129	195	5.7720E-03	4.417	3.961	78.02
M	66	130	196	4.9720E-03	4.533	2.454	70.24
M	66	131	197	4.8390E-03	4.547	4.053	77.93
M	66	132	198	4.6000E-03	4.581	2.492	73.10
M	66	133	199	4.0020E-03	4.693	4.156	68.50
M	66	134	200	3.5220E-03	4.798	2.645	66.76
M	66	135	201	3.2700E-03	4.855	4.273	77.86
M	66	136	202	2.9110E-03	4.953	2.758	68.94
M	66	137	203	2.7090E-03	5.009	4.384	80.41
M	66	138	204	2.4780E-03	5.085	2.856	75.44
M	66	139	205	2.2570E-03	5.162	4.497	80.63
M	66	140	206	2.0280E-03	5.259	2.985	77.68
M	66	141	207	1.8270E-03	5.349	4.635	83.49
M	66	142	208	1.5770E-03	5.491	3.157	77.42
M	66	143	209	1.3850E-03	5.610	4.828	86.77
M	66	144	210	1.1640E-03	5.788	3.378	82.05
M	66	146	212	9.0600E-04	6.041	3.571	86.95
M	66	148	214	7.2040E-04	6.280	3.756	92.45
M	66	150	216	5.8230E-04	6.508	3.934	100.00
M	66	152	218	4.7880E-04	6.722	4.105	100.00

P	67	73	140	4.9160E-01			
P	67	74	141	8.1010E-01			
P	67	75	142	9.3710E-01			
P	67	76	143	1.0980E+00			
P	67	77	144	1.2710E+00			
P	67	78	145	2.0310E+00			
P	67	79	146	1.9450E+00			
P	67	80	147	2.8770E+00			
P	67	81	148	3.2900E+00			
P	67	82	149	6.6500E+01			
P	67	83	150	6.7770E+01			
P	67	84	151	1.7490E+02			
P	67	85	152	2.3860E+02			
P	67	86	153	6.6030E+02			
P	67	87	154	6.9270E+02			
P	67	88	155	2.4810E+03			
P	67	89	156	1.7630E+03			
P	67	90	157	7.3340E+03			
P	67	91	158	5.2680E+03			
P	67	92	159	6.4060E+04			
P	67	93	160	3.8450E+04			
P	67	95	162	3.8710E+06			
M	67	99	166	2.6440E+05	0.124	1.840	
M	67	101	168	1.6230E+03	0.354	2.069	
M	67	102	169	4.0360E+03	0.284	1.012	
M	67	103	170	1.1850E+02	0.747	2.150	
M	67	104	171	1.4900E+02	0.666	1.236	
M	67	105	172	1.2380E+01	1.261	2.425	
M	67	106	173	1.1060E+01	1.038	1.737	
M	67	107	174	3.4160E+00	1.543	2.817	
M	67	108	175	3.0430E+00	1.327	1.990	0.07
M	67	109	176	1.2510E+00	1.790	3.181	0.23
M	67	110	177	1.0750E+00	1.628	2.206	2.05
M	67	111	178	5.4800E-01	2.032	3.491	2.58
M	67	112	179	4.3950E-01	1.942	2.410	8.44
M	67	113	180	2.7070E-01	2.276	3.760	8.40
M	67	114	181	2.2700E-01	2.208	2.577	17.54
M	67	115	182	1.6910E-01	2.457	3.941	16.00
M	67	116	183	1.5620E-01	2.369	2.677	22.39
M	67	117	184	1.1970E-01	2.599	4.073	18.97
M	67	118	185	1.1030E-01	2.527	2.775	25.87
M	67	119	186	8.0610E-02	2.776	4.230	22.80
M	67	120	187	7.4320E-02	2.720	2.896	29.17
M	67	121	188	6.1840E-02	2.898	4.334	27.51
M	67	122	189	5.0000E-02	2.928	3.026	35.02
M	67	123	190	3.9890E-02	3.125	4.519	34.93
M	67	124	191	3.1750E-02	3.186	3.190	44.34
M	67	125	192	2.6510E-02	3.353	4.699	45.33
M	67	126	193	2.1400E-02	3.425	3.344	52.57
M	67	127	194	6.9980E-03	4.271	5.389	57.02
M	67	128	195	6.5450E-03	4.283	3.908	95.90
M	67	129	196	6.2780E-03	4.339	5.441	90.27
M	67	130	197	5.4450E-03	4.416	4.002	95.58
M	67	131	198	4.7790E-03	4.544	5.594	90.69
M	67	132	199	5.1110E-03	4.451	4.029	96.03

M	67	133	200	4.4700E-03	4.581	5.624	89.32
M	67	134	201	3.8160E-03	4.684	4.192	95.71
M	67	135	202	3.6530E-03	4.736	5.741	91.51
M	67	136	203	3.1900E-03	4.825	4.293	96.21
M	67	137	204	2.9930E-03	4.893	5.860	91.72
M	67	138	205	2.6840E-03	4.964	4.394	96.44
M	67	139	206	2.4550E-03	5.056	5.983	92.22
M	67	140	207	2.2280E-03	5.120	4.509	96.89
M	67	141	208	2.0460E-03	5.208	6.099	93.47
M	67	142	209	1.8080E-03	5.304	4.643	97.11
M	67	143	210	1.6190E-03	5.417	6.258	93.79
M	67	144	211	1.4050E-03	5.539	4.816	97.54
M	67	145	212	1.2290E-03	5.678	6.457	94.82
M	67	146	213	1.0480E-03	5.828	5.031	98.12
M	67	147	214	9.4400E-04	5.939	6.657	97.92
M	67	148	215	8.1030E-04	6.091	5.229	98.39
M	67	150	217	6.4710E-04	6.327	5.410	100.00
M	67	152	219	5.2950E-04	6.542	5.577	100.00
M	67	154	221	4.3140E-04	6.770	5.756	100.00
P	68	73	141	2.9390E-01			
P	68	74	142	4.6200E-01			
P	68	75	143	6.6710E-01			
P	68	76	144	6.8790E-01			
P	68	77	145	8.6270E-01			
P	68	78	146	1.2490E+00			
P	68	79	147	1.3120E+00			
P	68	80	148	1.7960E+00			
P	68	81	149	2.1950E+00			
P	68	82	150	3.6270E+01			
P	68	83	151	4.5740E+01			
P	68	84	152	8.2750E+01			
P	68	85	153	1.1310E+02			
P	68	86	154	2.1160E+02			
P	68	87	155	4.2970E+02			
P	68	88	156	8.8930E+02			
P	68	89	157	1.6390E+03			
P	68	90	158	5.2320E+03			
P	68	91	159	6.3340E+03			
P	68	93	161	3.6380E+04			
M	68	103	171	3.6440E+05	0.064	1.001	
M	68	105	173	1.1610E+03	0.424	1.038	
M	68	106	174	6.9040E+02	0.288	0.283	
M	68	107	175	3.1180E+01	0.830	1.575	
M	68	108	176	2.0390E+01	0.767	0.427	
M	68	109	177	6.8030E+00	1.109	1.844	
M	68	110	178	4.4180E+00	1.119	0.553	
M	68	111	179	2.1990E+00	1.390	2.049	
M	68	112	180	1.5570E+00	1.423	0.678	
M	68	113	181	8.6940E-01	1.675	2.232	0.01
M	68	114	182	6.2470E-01	1.739	0.819	0.06
M	68	115	183	4.3180E-01	1.925	2.386	0.34
M	68	116	184	3.7490E-01	1.935	0.913	0.41
M	68	117	185	2.6340E-01	2.119	2.503	0.88
M	68	118	186	2.4190E-01	2.115	1.004	1.07

M	68	119	187	1.8270E-01	2.271	2.595	2.23
M	68	120	188	1.6140E-01	2.293	1.097	2.09
M	68	121	189	1.3130E-01	2.416	2.683	3.21
M	68	122	190	1.0180E-01	2.512	1.215	3.33
M	68	123	191	7.9700E-02	2.658	2.831	6.13
M	68	124	192	5.9590E-02	2.790	1.372	6.85
M	68	125	193	5.0230E-02	2.900	2.981	11.26
M	68	126	194	3.9300E-02	3.021	1.507	9.26
M	68	127	195	1.1380E-02	3.857	3.593	26.07
M	68	128	196	1.0380E-02	3.912	2.054	56.13
M	68	129	197	9.8840E-03	3.946	3.654	60.45
M	68	130	198	8.6540E-03	4.035	2.138	57.20
M	68	131	199	7.4990E-03	4.142	3.788	61.24
M	68	132	200	7.8220E-03	4.096	2.183	56.97
M	68	133	201	7.0510E-03	4.173	3.811	60.65
M	68	134	202	5.9610E-03	4.298	2.320	58.29
M	68	135	203	5.6640E-03	4.333	3.922	67.45
M	68	136	204	4.7760E-03	4.465	2.437	57.91
M	68	137	205	4.6020E-03	4.488	4.032	70.00
M	68	138	206	4.0370E-03	4.591	2.528	60.69
M	68	139	207	3.6690E-03	4.666	4.158	67.83
M	68	140	208	3.3000E-03	4.751	2.643	64.65
M	68	141	209	3.0330E-03	4.817	4.268	73.80
M	68	142	210	2.7080E-03	4.913	2.761	67.69
M	68	143	211	2.4630E-03	4.990	4.393	77.46
M	68	144	212	2.1330E-03	5.119	2.911	73.76
M	68	145	213	1.9220E-03	5.207	4.553	81.58
M	68	146	214	1.6440E-03	5.355	3.086	75.90
M	68	147	215	1.4480E-03	5.470	4.747	82.51
M	68	148	216	1.2300E-03	5.633	3.293	83.56
M	68	150	218	9.2980E-04	5.913	3.504	85.70
M	68	152	220	7.4130E-04	6.145	3.684	92.85
M	68	154	222	5.9850E-04	6.370	3.860	100.00
M	68	156	224	4.8660E-04	6.595	4.039	100.00
P	69	76	145	3.7890E-01			
P	69	77	146	4.5720E-01			
P	69	78	147	6.7670E-01			
P	69	79	148	6.7510E-01			
P	69	80	149	9.5870E-01			
P	69	81	150	1.0350E+00			
P	69	82	151	1.4380E+01			
P	69	83	152	1.5270E+01			
P	69	84	153	2.9710E+01			
P	69	85	154	3.2520E+01			
P	69	86	155	5.3340E+01			
P	69	87	156	7.7300E+01			
P	69	88	157	2.0340E+02			
P	69	89	158	2.5020E+02			
P	69	90	159	5.5770E+02			
P	69	91	160	6.0070E+02			
P	69	92	161	1.5350E+03			
P	69	93	162	1.0450E+03			
P	69	94	163	7.2350E+03			
P	69	95	164	3.1380E+03			

P	69	96	165	8.5840E+04			
P	69	97	166	2.6370E+04			
P	69	99	168	1.0500E+07			
M	69	103	172	8.2610E+04	0.128	1.929	
M	69	104	173	2.2130E+07	0.015	1.000	
M	69	105	174	8.5080E+02	0.414	2.073	
M	69	106	175	3.6160E+03	0.286	1.012	
M	69	107	176	5.2350E+01	0.909	2.175	
M	69	108	177	4.2750E+01	0.796	1.469	
M	69	109	178	6.9500E+00	1.359	2.565	
M	69	110	179	6.3120E+00	1.124	1.837	
M	69	111	180	2.3550E+00	1.596	2.927	0.00
M	69	112	181	1.9810E+00	1.409	2.064	0.35
M	69	113	182	9.9210E-01	1.814	3.244	0.62
M	69	114	183	9.3350E-01	1.634	2.219	3.12
M	69	115	184	5.2160E-01	2.003	3.483	2.63
M	69	116	185	4.8940E-01	1.855	2.363	5.99
M	69	117	186	2.7900E-01	2.214	3.718	5.16
M	69	118	187	2.6100E-01	2.097	2.516	12.65
M	69	119	188	1.6580E-01	2.412	3.917	9.15
M	69	120	189	1.7500E-01	2.263	2.619	18.39
M	69	121	190	1.4780E-01	2.450	3.954	13.61
M	69	122	191	1.2280E-01	2.418	2.716	18.22
M	69	123	192	9.0940E-02	2.659	4.144	17.40
M	69	124	193	7.0400E-02	2.691	2.885	26.15
M	69	125	194	5.7110E-02	2.880	4.333	26.31
M	69	126	195	4.4920E-02	2.928	3.035	30.24
M	69	127	196	1.2510E-02	3.794	5.043	45.48
M	69	128	197	1.1600E-02	3.797	3.593	93.90
M	69	129	198	1.0800E-02	3.882	5.111	86.21
M	69	130	199	9.4870E-03	3.930	3.683	93.51
M	69	131	200	8.3300E-03	4.056	5.242	86.59
M	69	132	201	8.4390E-03	4.002	3.734	94.22
M	69	133	202	7.4670E-03	4.122	5.293	86.45
M	69	134	203	6.4640E-03	4.194	3.865	94.42
M	69	135	204	6.3150E-03	4.235	5.378	87.95
M	69	136	205	5.4370E-03	4.317	3.951	94.78
M	69	137	206	5.1010E-03	4.388	5.494	89.29
M	69	138	207	4.5190E-03	4.453	4.048	94.88
M	69	139	208	4.0680E-03	4.558	5.622	90.13
M	69	140	209	3.6340E-03	4.622	4.168	95.34
M	69	141	210	3.3220E-03	4.714	5.740	91.15
M	69	142	211	2.9480E-03	4.790	4.288	96.09
M	69	143	212	2.7230E-03	4.872	5.860	92.03
M	69	144	213	2.4210E-03	4.952	4.406	96.59
M	69	145	214	2.1950E-03	5.051	5.996	93.05
M	69	146	215	1.9170E-03	5.155	4.554	96.95
M	69	147	216	1.7320E-03	5.257	6.153	94.17
M	69	148	217	1.4670E-03	5.400	4.734	97.53
M	69	149	218	1.3350E-03	5.497	6.336	95.38
M	69	150	219	1.1240E-03	5.655	4.924	98.10
M	69	151	220	9.9690E-04	5.781	6.553	97.88
M	69	152	221	8.5440E-04	5.930	5.130	98.61
M	69	154	223	6.7930E-04	6.167	5.311	100.00
M	69	156	225	5.6360E-04	6.361	5.463	100.00

M	69	158	227	4.4840E-04	6.614	5.659	100.00
P	70	76	146	2.2900E-01			
P	70	77	147	3.1160E-01			
P	70	78	148	4.2950E-01			
P	70	79	149	4.5960E-01			
P	70	80	150	5.9250E-01			
P	70	81	151	6.7840E-01			
P	70	82	152	8.0630E+00			
P	70	83	153	1.0230E+01			
P	70	84	154	1.6340E+01			
P	70	85	155	2.1850E+01			
P	70	86	156	2.9570E+01			
P	70	87	157	4.2500E+01			
P	70	88	158	8.0870E+01			
P	70	89	159	1.4330E+02			
P	70	90	160	2.4650E+02			
P	70	91	161	3.4590E+02			
P	70	92	162	8.9520E+02			
P	70	93	163	1.0230E+03			
P	70	94	164	4.7910E+03			
P	70	95	165	5.7170E+03			
P	70	97	167	4.4180E+04			
M	70	107	177	2.1480E+05	0.074	1.001	
M	70	109	179	3.2960E+02	0.541	1.166	
M	70	110	180	8.5320E+01	0.509	0.348	
M	70	111	181	1.9560E+01	0.880	1.650	
M	70	112	182	1.0900E+01	0.875	0.466	
M	70	113	183	4.3200E+00	1.184	1.913	
M	70	114	184	3.8800E+00	1.124	0.559	
M	70	115	185	2.1880E+00	1.355	2.034	
M	70	116	186	1.8820E+00	1.327	0.642	
M	70	117	187	8.7610E-01	1.631	2.213	0.00
M	70	118	188	8.0250E-01	1.604	0.765	0.00
M	70	119	189	4.2500E-01	1.886	2.369	0.08
M	70	120	190	3.8390E-01	1.880	0.895	0.22
M	70	121	191	3.3830E-01	1.966	2.418	0.42
M	70	122	192	2.8800E-01	1.990	0.951	0.33
M	70	123	193	2.0820E-01	2.162	2.536	0.86
M	70	124	194	1.5130E-01	2.272	1.097	1.21
M	70	125	195	1.2120E-01	2.402	2.682	2.88
M	70	126	196	8.9090E-02	2.526	1.235	3.13
M	70	127	197	2.1450E-02	3.374	3.288	14.43
M	70	128	198	1.9650E-02	3.414	1.753	44.33
M	70	129	199	1.8280E-02	3.465	3.349	48.70
M	70	130	200	1.5560E-02	3.559	1.847	43.18
M	70	131	201	1.4160E-02	3.625	3.455	51.72
M	70	132	202	1.3510E-02	3.643	1.904	44.64
M	70	133	203	1.1870E-02	3.735	3.529	45.76
M	70	134	204	1.0040E-02	3.844	2.036	47.78
M	70	135	205	9.6880E-03	3.868	3.619	52.20
M	70	136	206	8.4160E-03	3.961	2.116	49.84
M	70	137	207	8.0710E-03	3.990	3.703	58.01
M	70	138	208	7.1780E-03	4.068	2.190	52.55
M	70	139	209	6.4920E-03	4.143	3.809	58.80

M	70	140	210	5.6170E-03	4.248	2.314	55.54
M	70	141	211	5.1790E-03	4.308	3.924	63.50
M	70	142	212	4.5260E-03	4.410	2.428	59.49
M	70	143	213	4.0640E-03	4.493	4.056	63.64
M	70	144	214	3.5670E-03	4.597	2.561	60.92
M	70	145	215	3.2950E-03	4.657	4.174	68.15
M	70	146	216	2.8670E-03	4.773	2.688	65.55
M	70	147	217	2.6130E-03	4.847	4.311	75.68
M	70	148	218	2.2400E-03	4.982	2.841	73.77
M	70	149	219	2.0190E-03	5.070	4.474	81.11
M	70	150	220	1.7390E-03	5.207	3.006	75.74
M	70	151	221	1.5720E-03	5.294	4.640	83.97
M	70	152	222	1.3080E-03	5.473	3.204	80.57
M	70	154	224	1.0120E-03	5.721	3.392	86.45
M	70	156	226	8.0470E-04	5.950	3.568	92.39
M	70	158	228	6.5550E-04	6.160	3.732	100.00
M	70	160	230	5.5500E-04	6.360	4.006	100.00
M	70	172	242	2.7270E-04	7.102	4.643	100.00
P	71	79	150	2.6200E-01			
P	71	80	151	3.3820E-01			
P	71	81	152	3.6900E-01			
P	71	82	153	3.7510E+00			
P	71	83	154	4.2470E+00			
P	71	84	155	7.1720E+00			
P	71	85	156	8.3950E+00			
P	71	86	157	1.2970E+01			
P	71	87	158	1.5360E+01			
P	71	88	159	2.7380E+01			
P	71	89	160	3.6440E+01			
P	71	90	161	6.7140E+01			
P	71	91	162	6.6850E+01			
P	71	92	163	1.6050E+02			
P	71	93	164	1.4740E+02			
P	71	94	165	3.7200E+02			
P	71	95	166	3.4400E+02			
P	71	96	167	1.3410E+03			
P	71	97	168	9.0900E+02			
P	71	98	169	6.6580E+03			
P	71	99	170	3.0550E+03			
P	71	100	171	1.8840E+05			
P	71	101	172	2.8480E+04			
P	71	103	174	6.5250E+08			
M	71	107	178	2.9940E+04	0.148	1.970	
M	71	108	179	1.0780E+06	0.041	1.000	
M	71	109	180	6.0810E+02	0.445	2.064	
M	71	110	181	5.0180E+02	0.498	1.070	
M	71	111	182	2.3220E+01	1.074	2.253	
M	71	112	183	1.7610E+01	0.904	1.634	
M	71	113	184	4.6320E+00	1.415	2.673	
M	71	114	185	5.5610E+00	1.120	1.850	0.00
M	71	115	186	2.3870E+00	1.556	2.898	0.00
M	71	116	187	2.7560E+00	1.283	1.983	0.07
M	71	117	188	1.1830E+00	1.724	3.152	0.09
M	71	118	189	1.1620E+00	1.522	2.154	0.89

M	71	119	190	5.2380E-01	1.956	3.454	1.16
M	71	120	191	4.6740E-01	1.827	2.353	4.92
M	71	121	192	3.3750E-01	2.095	3.615	3.81
M	71	122	193	3.5770E-01	1.920	2.413	7.36
M	71	123	194	2.3550E-01	2.218	3.747	4.78
M	71	124	195	1.8570E-01	2.184	2.578	10.44
M	71	125	196	1.3960E-01	2.421	3.946	10.31
M	71	126	197	1.0550E-01	2.438	2.736	16.64
M	71	127	198	2.3840E-02	3.327	4.700	29.62
M	71	128	199	2.1880E-02	3.317	3.289	91.22
M	71	129	200	1.9670E-02	3.433	4.782	81.38
M	71	130	201	1.6680E-02	3.483	3.397	91.63
M	71	131	202	1.4720E-02	3.607	4.916	82.79
M	71	132	203	1.4060E-02	3.585	3.466	92.12
M	71	133	204	1.2220E-02	3.719	5.002	83.68
M	71	134	205	1.0430E-02	3.782	3.598	92.74
M	71	135	206	9.6780E-03	3.868	5.115	85.34
M	71	136	207	8.5630E-03	3.913	3.687	93.47
M	71	137	208	8.0330E-03	3.988	5.206	86.48
M	71	138	209	7.4360E-03	4.004	3.751	93.66
M	71	139	210	6.9360E-03	4.082	5.278	86.79
M	71	140	211	6.0390E-03	4.150	3.853	94.20
M	71	141	212	5.4090E-03	4.259	5.411	87.81
M	71	142	213	4.7870E-03	4.321	3.973	94.80
M	71	143	214	4.3050E-03	4.426	5.538	89.03
M	71	144	215	3.8340E-03	4.491	4.093	95.19
M	71	145	216	3.4490E-03	4.595	5.666	90.17
M	71	146	217	3.0380E-03	4.676	4.225	95.67
M	71	147	218	2.7540E-03	4.774	5.801	91.99
M	71	148	219	2.4080E-03	4.868	4.363	96.56
M	71	149	220	2.1780E-03	4.968	5.949	93.15
M	71	150	221	1.8950E-03	5.074	4.514	97.15
M	71	151	222	1.7300E-03	5.166	6.100	93.78
M	71	152	223	1.4800E-03	5.296	4.678	97.61
M	71	153	224	1.3310E-03	5.404	6.282	95.55
M	71	154	225	1.1240E-03	5.557	4.872	98.17
M	71	155	226	1.0200E-03	5.657	6.477	98.00
M	71	156	227	8.9440E-04	5.779	5.040	98.65
M	71	158	229	7.2160E-04	5.995	5.205	100.00
M	71	160	231	5.9230E-04	6.227	5.319	100.00
M	71	162	233	4.6430E-04	6.492	5.528	100.00
M	71	172	243	2.7240E-04	7.045	5.994	100.00
P	72	78	150	1.7370E-01			
P	72	79	151	1.8270E-01			
P	72	80	152	2.1040E-01			
P	72	81	153	2.4580E-01			
P	72	82	154	2.2390E+00			
P	72	83	155	2.7430E+00			
P	72	84	156	4.0630E+00			
P	72	85	157	5.5140E+00			
P	72	86	158	7.8010E+00			
P	72	87	159	1.0410E+01			
P	72	88	160	1.5310E+01			
P	72	89	161	2.0490E+01			

P	72	90	162	4.1090E+01			
P	72	91	163	4.9910E+01			
P	72	92	164	1.0780E+02			
P	72	93	165	1.1580E+02			
P	72	94	166	2.3750E+02			
P	72	95	167	2.4880E+02			
P	72	96	168	6.9110E+02			
P	72	97	169	8.5750E+02			
P	72	98	170	4.7930E+03			
P	72	99	171	5.3650E+03			
P	72	101	173	1.6430E+05			
M	72	111	183	2.2270E+04	0.155	1.005	
M	72	112	184	7.9790E+03	0.124	0.259	
M	72	113	185	5.5570E+01	0.710	1.464	
M	72	114	186	4.6150E+01	0.584	0.371	
M	72	115	187	1.7740E+01	0.871	1.659	
M	72	116	188	1.6500E+01	0.763	0.430	
M	72	117	189	6.4160E+00	1.061	1.831	
M	72	118	190	4.9810E+00	1.028	0.526	
M	72	119	191	2.1950E+00	1.318	2.019	
M	72	120	192	1.7610E+00	1.312	0.642	
M	72	121	193	1.0070E+00	1.544	2.166	
M	72	122	194	1.0530E+00	1.470	0.711	
M	72	123	195	6.5670E-01	1.681	2.251	0.00
M	72	124	196	4.7130E-01	1.753	0.843	0.01
M	72	125	197	3.5100E-01	1.905	2.388	0.12
M	72	126	198	2.3900E-01	2.023	0.977	0.21
M	72	127	199	4.4250E-02	2.889	2.990	5.57
M	72	128	200	3.9900E-02	2.926	1.472	24.79
M	72	129	201	3.5040E-02	3.013	3.069	31.94
M	72	130	202	3.0730E-02	3.071	1.560	25.60
M	72	131	203	2.6160E-02	3.177	3.175	30.92
M	72	132	204	2.3220E-02	3.234	1.661	31.13
M	72	133	205	2.0520E-02	3.318	3.266	34.16
M	72	134	206	1.7760E-02	3.396	1.764	35.32
M	72	135	207	1.5920E-02	3.472	3.368	42.24
M	72	136	208	1.4230E-02	3.533	1.854	36.70
M	72	137	209	1.2720E-02	3.612	3.462	44.99
M	72	138	210	1.1430E-02	3.673	1.946	42.68
M	72	139	211	1.1020E-02	3.699	3.521	49.40
M	72	140	212	9.8790E-03	3.764	2.009	40.77
M	72	141	213	8.8240E-03	3.845	3.621	46.94
M	72	142	214	7.6290E-03	3.942	2.129	44.31
M	72	143	215	6.7390E-03	4.034	3.751	55.38
M	72	144	216	5.8920E-03	4.128	2.257	53.04
M	72	145	217	5.3300E-03	4.203	3.870	56.95
M	72	146	218	4.5970E-03	4.314	2.386	54.90
M	72	147	219	4.1530E-03	4.392	4.003	62.52
M	72	148	220	3.5860E-03	4.507	2.523	63.40
M	72	149	221	3.2030E-03	4.597	4.150	71.89
M	72	150	222	2.8020E-03	4.706	2.666	66.40
M	72	151	223	2.5220E-03	4.792	4.291	77.32
M	72	152	224	2.1770E-03	4.919	2.821	71.82
M	72	153	225	2.0090E-03	4.984	4.433	82.85
M	72	154	226	1.7050E-03	5.134	2.980	76.40

M	72	155	227	1.5290E-03	5.228	4.614	87.08
M	72	156	228	1.2990E-03	5.384	3.167	83.68
M	72	158	230	1.0920E-03	5.573	3.416	88.73
M	72	160	232	8.8270E-04	5.778	3.577	92.33
M	72	162	234	7.0010E-04	6.011	3.762	100.00
M	72	164	236	5.7020E-04	6.223	3.933	100.00
M	72	170	242	3.6680E-04	6.684	4.318	100.00
M	72	172	244	3.6450E-04	6.669	4.315	100.00
P	73	82	155	1.1910E+00			
P	73	83	156	1.3470E+00			
P	73	84	157	2.0320E+00			
P	73	85	158	2.5120E+00			
P	73	86	159	3.9180E+00			
P	73	87	160	4.6910E+00			
P	73	88	161	6.4840E+00			
P	73	89	162	6.7340E+00			
P	73	90	163	1.4280E+01			
P	73	91	164	1.3120E+01			
P	73	92	165	3.2430E+01			
P	73	93	166	2.7020E+01			
P	73	94	167	5.7810E+01			
P	73	95	168	5.4220E+01			
P	73	96	169	1.2500E+02			
P	73	97	170	1.2730E+02			
P	73	98	171	2.9230E+02			
P	73	99	172	3.5620E+02			
P	73	100	173	1.2160E+03			
P	73	101	174	1.0800E+03			
P	73	102	175	9.4920E+03			
P	73	103	176	3.6210E+03			
P	73	104	177	5.1200E+05			
P	73	105	178	4.2650E+04			
M	73	111	184	1.1970E+04	0.180	1.985	
M	73	112	185	4.4010E+05	0.054	1.001	
M	73	113	186	1.8680E+02	0.611	2.082	
M	73	114	187	1.5820E+02	0.606	1.222	
M	73	115	188	1.5570E+01	1.136	2.310	
M	73	116	189	2.4560E+01	0.825	1.564	
M	73	117	190	6.0380E+00	1.327	2.563	
M	73	118	191	6.1230E+00	1.068	1.821	
M	73	119	192	2.3570E+00	1.523	2.879	0.00
M	73	120	193	2.5490E+00	1.268	1.984	0.04
M	73	121	194	1.2090E+00	1.678	3.119	0.06
M	73	122	195	1.5130E+00	1.404	2.083	0.39
M	73	123	196	7.5850E-01	1.798	3.287	0.16
M	73	124	197	5.9680E-01	1.693	2.277	1.40
M	73	125	198	4.0150E-01	1.988	3.521	1.57
M	73	126	199	2.9500E-01	1.949	2.439	4.41
M	73	127	200	5.0430E-02	2.860	4.341	15.06
M	73	128	201	4.5830E-02	2.830	2.987	69.08
M	73	129	202	3.9590E-02	2.978	4.438	75.35
M	73	130	203	3.5250E-02	2.968	3.075	68.85
M	73	131	204	3.0480E-02	3.112	4.546	77.07
M	73	132	205	2.6540E-02	3.126	3.177	65.52

M	73	133	206	2.2990E-02	3.265	4.667	79.15
M	73	134	207	2.0100E-02	3.287	3.283	90.72
M	73	135	208	1.7050E-02	3.438	4.802	81.19
M	73	136	209	1.5430E-02	3.448	3.389	91.52
M	73	137	210	1.3730E-02	3.565	4.900	82.76
M	73	138	211	1.2450E-02	3.580	3.478	92.36
M	73	139	212	1.1550E-02	3.668	4.979	83.92
M	73	140	213	1.0740E-02	3.670	3.539	92.69
M	73	141	214	9.6790E-03	3.775	5.062	84.76
M	73	142	215	8.4910E-03	3.825	3.646	93.08
M	73	143	216	7.4750E-03	3.947	5.192	86.25
M	73	144	217	6.6060E-03	4.000	3.766	93.94
M	73	145	218	5.8270E-03	4.119	5.322	87.42
M	73	146	219	5.0850E-03	4.190	3.898	94.47
M	73	147	220	4.5380E-03	4.300	5.459	89.26
M	73	148	221	3.9450E-03	4.382	4.033	95.15
M	73	149	222	3.4970E-03	4.498	5.609	90.78
M	73	150	223	3.0700E-03	4.579	4.174	96.12
M	73	151	224	2.7540E-03	4.686	5.751	92.16
M	73	152	225	2.3970E-03	4.782	4.321	96.74
M	73	153	226	2.1890E-03	4.873	5.894	93.40
M	73	154	227	1.8980E-03	4.981	4.466	97.25
M	73	155	228	1.7470E-03	5.064	6.041	93.94
M	73	156	229	1.4920E-03	5.194	4.623	97.75
M	73	157	230	1.2770E-03	5.374	6.021	95.33
M	73	158	231	1.1630E-03	5.454	4.742	98.27
M	73	159	232	1.0020E-03	5.602	6.199	95.82
M	73	160	233	9.1400E-04	5.685	4.920	98.60
M	73	162	235	7.4630E-04	5.884	5.075	100.00
M	73	164	237	6.1600E-04	6.077	5.228	100.00
M	73	166	239	4.9530E-04	6.307	5.410	100.00
M	73	170	243	3.6060E-04	6.646	5.685	100.00
M	73	172	245	3.6070E-04	6.623	5.675	100.00
M	73	174	247	2.5850E-04	7.022	5.995	100.00
P	74	81	155	9.6060E-02			
P	74	82	156	7.0690E-01			
P	74	83	157	8.6830E-01			
P	74	84	158	1.2270E+00			
P	74	85	159	1.6400E+00			
P	74	86	160	2.3570E+00			
P	74	87	161	2.9890E+00			
P	74	88	162	5.0180E+00			
P	74	89	163	5.1680E+00			
P	74	90	164	9.5460E+00			
P	74	91	165	1.0990E+01			
P	74	92	166	2.3350E+01			
P	74	93	167	2.5810E+01			
P	74	94	168	4.1530E+01			
P	74	95	169	4.1710E+01			
P	74	96	170	7.8630E+01			
P	74	97	171	1.0180E+02			
P	74	98	172	1.9000E+02			
P	74	99	173	2.6690E+02			
P	74	100	174	7.4380E+02			

P	74	101	175	9.7820E+02			
P	74	102	176	1.4520E+04			
P	74	103	177	8.0580E+03			
P	74	105	179	4.5870E+05			
M	74	115	189	2.8540E+03	0.298	1.013	
M	74	116	190	1.8560E+03	0.191	0.268	
M	74	117	191	9.2870E+01	0.630	1.370	
M	74	118	192	6.1130E+01	0.523	0.355	
M	74	119	193	1.6130E+01	0.861	1.667	
M	74	120	194	1.3420E+01	0.781	0.439	
M	74	121	195	5.8560E+00	1.050	1.835	
M	74	122	196	7.9760E+00	0.887	0.477	
M	74	123	197	3.5510E+00	1.159	1.918	
M	74	124	198	2.2570E+00	1.204	0.601	
M	74	125	199	1.2990E+00	1.426	2.098	
M	74	126	200	8.0070E-01	1.524	0.742	
M	74	127	201	1.0450E-01	2.398	2.694	0.96
M	74	128	202	9.1860E-02	2.432	1.201	13.44
M	74	129	203	7.9530E-02	2.523	2.772	16.83
M	74	130	204	6.7570E-02	2.580	1.286	14.67
M	74	131	205	5.7730E-02	2.679	2.869	19.10
M	74	132	206	4.8860E-02	2.746	1.383	15.61
M	74	133	207	4.1810E-02	2.845	2.974	23.53
M	74	134	208	3.6360E-02	2.904	1.477	22.27
M	74	135	209	3.0740E-02	3.012	3.081	27.33
M	74	136	210	2.6810E-02	3.075	1.582	26.74
M	74	137	211	2.3060E-02	3.175	3.187	33.11
M	74	138	212	2.0700E-02	3.225	1.677	31.16
M	74	139	213	1.8000E-02	3.320	3.282	32.39
M	74	140	214	1.6020E-02	3.380	1.777	33.06
M	74	141	215	1.4610E-02	3.444	3.365	39.25
M	74	142	216	1.2680E-02	3.526	1.872	33.02
M	74	143	217	1.1080E-02	3.621	3.484	43.20
M	74	144	218	9.5430E-03	3.713	1.997	41.05
M	74	145	219	8.5020E-03	3.796	3.604	49.05
M	74	146	220	7.3090E-03	3.897	2.121	46.67
M	74	147	221	6.4750E-03	3.986	3.735	51.38
M	74	148	222	5.6130E-03	4.086	2.251	49.79
M	74	149	223	4.9250E-03	4.186	3.875	60.94
M	74	150	224	4.2840E-03	4.289	2.392	56.22
M	74	151	225	3.7950E-03	4.383	4.016	63.80
M	74	152	226	3.2930E-03	4.494	2.539	62.00
M	74	153	227	3.0110E-03	4.564	4.146	73.22
M	74	154	228	2.6120E-03	4.681	2.674	67.14
M	74	155	229	2.4020E-03	4.747	4.280	78.35
M	74	156	230	2.2110E-03	4.845	2.888	75.60
M	74	157	231	1.8950E-03	4.974	4.358	77.49
M	74	158	232	1.7490E-03	5.046	3.041	80.32
M	74	159	233	1.5080E-03	5.174	4.510	81.35
M	74	160	234	1.3760E-03	5.260	3.206	81.26
M	74	162	236	1.0480E-03	5.516	3.404	86.87
M	74	164	238	8.9480E-04	5.662	3.521	93.65
M	74	166	240	7.1810E-04	5.880	3.694	100.00
M	74	168	242	5.7020E-04	6.117	3.884	100.00
M	74	170	244	4.8990E-04	6.271	4.012	94.25

M	74	172	246	4.4790E-04	6.355	4.085	93.76
M	74	174	248	3.4350E-04	6.654	4.328	93.91
P	75	84	159	6.9350E-01			
P	75	85	160	8.8620E-01			
P	75	86	161	1.2010E+00			
P	75	87	162	1.2740E+00			
P	75	88	163	2.2080E+00			
P	75	89	164	2.2950E+00			
P	75	90	165	3.8370E+00			
P	75	91	166	3.7640E+00			
P	75	92	167	7.3570E+00			
P	75	93	168	7.7480E+00			
P	75	94	169	1.4470E+01			
P	75	95	170	1.3100E+01			
P	75	96	171	2.4180E+01			
P	75	97	172	2.4880E+01			
P	75	98	173	5.2030E+01			
P	75	99	174	5.5440E+01			
P	75	100	175	1.3470E+02			
P	75	101	176	1.3560E+02			
P	75	102	177	3.6430E+02			
P	75	103	178	3.8150E+02			
P	75	104	179	1.6030E+03			
P	75	105	180	1.1680E+03			
P	75	106	181	1.2630E+04			
P	75	107	182	4.2710E+03			
P	75	108	183	1.1330E+07			
P	75	109	184	6.9420E+04			
M	75	113	188	3.3700E+08	0.014	1.750	
M	75	115	190	4.2830E+03	0.235	1.993	
M	75	116	191	1.0370E+04	0.185	1.007	
M	75	117	192	8.4190E+01	0.746	2.094	
M	75	118	193	9.4450E+01	0.641	1.307	
M	75	119	194	1.4820E+01	1.120	2.299	
M	75	120	195	1.9480E+01	0.835	1.599	
M	75	121	196	5.4690E+00	1.316	2.571	
M	75	122	197	1.1380E+01	0.918	1.696	
M	75	123	198	3.7850E+00	1.385	2.688	
M	75	124	199	3.7330E+00	1.140	1.898	
M	75	125	200	1.4230E+00	1.598	3.033	0.00
M	75	126	201	1.0920E+00	1.462	2.133	0.16
M	75	127	202	1.1550E-01	2.425	3.980	4.46
M	75	128	203	1.1090E-01	2.335	2.685	50.28
M	75	129	204	9.0960E-02	2.521	4.069	39.94
M	75	130	205	8.2100E-02	2.471	2.770	49.28
M	75	131	206	6.5820E-02	2.663	4.193	43.28
M	75	132	207	5.8270E-02	2.636	2.875	54.40
M	75	133	208	4.7750E-02	2.813	4.320	49.84
M	75	134	209	4.2250E-02	2.799	2.979	58.58
M	75	135	210	3.4490E-02	2.976	4.453	54.99
M	75	136	211	3.1890E-02	2.948	3.075	68.00
M	75	137	212	2.8060E-02	3.079	4.537	77.74
M	75	138	213	2.5640E-02	3.066	3.152	63.74
M	75	139	214	2.1760E-02	3.216	4.645	62.25

M	75	140	215	1.8780E-02	3.247	3.271	70.24
M	75	141	216	1.6500E-02	3.373	4.768	80.91
M	75	142	217	1.4620E-02	3.397	3.371	74.79
M	75	143	218	1.2770E-02	3.525	4.886	82.61
M	75	144	219	1.1090E-02	3.572	3.488	92.28
M	75	145	220	9.8730E-03	3.685	5.009	84.35
M	75	146	221	8.3970E-03	3.756	3.613	93.03
M	75	147	222	7.3980E-03	3.876	5.154	86.12
M	75	148	223	6.3630E-03	3.948	3.746	93.97
M	75	149	224	5.6600E-03	4.060	5.294	88.17
M	75	150	225	4.8710E-03	4.142	3.881	94.62
M	75	151	226	4.3690E-03	4.247	5.435	89.26
M	75	152	227	3.7290E-03	4.344	4.024	95.53
M	75	153	228	3.3620E-03	4.445	5.585	91.15
M	75	154	229	2.9060E-03	4.539	4.164	95.95
M	75	155	230	2.5030E-03	4.702	5.522	92.48
M	75	156	231	2.3440E-03	4.742	4.227	96.93
M	75	157	232	1.9970E-03	4.888	5.665	93.45
M	75	158	233	1.8650E-03	4.934	4.371	97.37
M	75	159	234	1.6020E-03	5.076	5.810	93.88
M	75	160	235	1.4690E-03	5.143	4.529	97.73
M	75	161	236	1.2950E-03	5.263	5.956	95.24
M	75	162	237	1.1870E-03	5.335	4.676	98.27
M	75	163	238	9.9030E-04	5.514	6.152	96.35
M	75	164	239	9.1270E-04	5.586	4.869	98.54
M	75	166	241	6.9260E-04	5.862	5.083	98.86
M	75	168	243	5.7960E-04	6.040	5.225	100.00
M	75	169	244	5.2680E-04	6.139	6.648	98.57
M	75	170	245	5.0990E-04	6.166	5.327	98.86
M	75	171	246	4.6690E-04	6.257	6.745	98.56
M	75	172	247	4.5380E-04	6.281	5.422	99.11
M	75	173	248	4.2960E-04	6.334	6.810	98.72
M	75	174	249	3.4260E-04	6.596	5.674	99.13
P	76	84	160	4.3570E-01			
P	76	85	161	5.6560E-01			
P	76	86	162	9.0820E-01			
P	76	87	163	1.0330E+00			
P	76	88	164	1.4210E+00			
P	76	89	165	1.7820E+00			
P	76	90	166	2.9260E+00			
P	76	91	167	3.2240E+00			
P	76	92	168	5.8200E+00			
P	76	93	169	6.5700E+00			
P	76	94	170	1.1220E+01			
P	76	95	171	1.1190E+01			
P	76	96	172	1.6790E+01			
P	76	97	173	1.8840E+01			
P	76	98	174	3.4720E+01			
P	76	99	175	4.2270E+01			
P	76	100	176	8.4510E+01			
P	76	101	177	1.0400E+02			
P	76	102	178	2.2690E+02			
P	76	103	179	3.1700E+02			
P	76	104	180	9.7080E+02			

P	76	105	181	1.4280E+03			
P	76	106	182	2.7900E+04			
P	76	107	183	1.0310E+04			
P	76	109	185	1.7430E+06			
M	76	119	195	6.2340E+02	0.442	1.078	
M	76	120	196	6.7190E+02	0.253	0.279	
M	76	121	197	7.6470E+01	0.631	1.398	
M	76	122	198	1.6800E+02	0.378	0.316	
M	76	123	199	3.5110E+01	0.720	1.530	
M	76	124	200	3.7990E+01	0.573	0.372	
M	76	125	201	1.0600E+01	0.903	1.726	
M	76	126	202	6.2840E+00	0.914	0.491	
M	76	127	203	3.3280E-01	1.860	2.374	0.00
M	76	128	204	2.7310E-01	1.898	0.927	2.86
M	76	129	205	2.0850E-01	2.040	2.484	4.83
M	76	130	206	1.8100E-01	2.065	1.015	4.72
M	76	131	207	1.4200E-01	2.199	2.581	7.37
M	76	132	208	1.2370E-01	2.230	1.104	7.49
M	76	133	209	1.0130E-01	2.346	2.672	10.30
M	76	134	210	8.6300E-02	2.395	1.196	9.99
M	76	135	211	6.7500E-02	2.537	2.791	15.07
M	76	136	212	5.4540E-02	2.623	1.327	14.77
M	76	137	213	4.9450E-02	2.690	2.887	20.43
M	76	138	214	4.7640E-02	2.686	1.366	17.90
M	76	139	215	4.3030E-02	2.754	2.929	21.06
M	76	140	216	3.6220E-02	2.829	1.452	18.37
M	76	141	217	3.1140E-02	2.926	3.039	21.42
M	76	142	218	2.6640E-02	2.999	1.557	22.65
M	76	143	219	2.2990E-02	3.096	3.150	29.09
M	76	144	220	1.9250E-02	3.189	1.676	27.85
M	76	145	221	1.6950E-02	3.275	3.268	31.29
M	76	146	222	1.4230E-02	3.373	1.795	33.57
M	76	147	223	1.2570E-02	3.459	3.392	37.70
M	76	148	224	1.0670E-02	3.558	1.917	37.27
M	76	149	225	9.2780E-03	3.657	3.526	47.20
M	76	150	226	7.7180E-03	3.777	2.064	42.96
M	76	151	227	6.9580E-03	3.853	3.661	51.45
M	76	152	228	5.8780E-03	3.969	2.195	52.63
M	76	153	229	5.3000E-03	4.046	3.796	58.03
M	76	154	230	4.8240E-03	4.140	2.396	60.10
M	76	155	231	4.0290E-03	4.275	3.862	61.71
M	76	156	232	3.8040E-03	4.317	2.526	65.92
M	76	157	233	3.2310E-03	4.443	3.986	66.69
M	76	158	234	3.0290E-03	4.493	2.657	66.99
M	76	159	235	2.5740E-03	4.623	4.120	71.42
M	76	160	236	2.4300E-03	4.669	2.789	71.97
M	76	161	237	2.0490E-03	4.810	4.261	76.04
M	76	162	238	1.8340E-03	4.909	2.969	78.72
M	76	163	239	1.4330E-03	5.128	4.501	78.74
M	76	164	240	1.2840E-03	5.232	3.215	81.45
M	76	165	241	1.1180E-03	5.355	4.676	87.23
M	76	166	242	1.0470E-03	5.418	3.362	87.31
M	76	168	244	8.2260E-04	5.650	3.544	84.22
M	76	169	245	7.4520E-04	5.739	4.979	85.99
M	76	170	246	7.1860E-04	5.775	3.647	85.50

M	76	171	247	6.5300E-04	5.863	5.080	89.35
M	76	172	248	6.5030E-04	5.865	3.723	88.66
M	76	173	249	6.1960E-04	5.902	5.115	97.79
M	76	174	250	4.9830E-04	6.143	3.947	89.34
M	76	176	252	4.1810E-04	6.327	4.098	100.00
P	77	87	164	5.0860E-01			
P	77	88	165	7.9930E-01			
P	77	89	166	8.6060E-01			
P	77	90	167	1.3320E+00			
P	77	91	168	1.3500E+00			
P	77	92	169	2.3250E+00			
P	77	93	170	2.5760E+00			
P	77	94	171	4.6770E+00			
P	77	95	172	4.6590E+00			
P	77	96	173	6.8000E+00			
P	77	97	174	6.1270E+00			
P	77	98	175	1.1880E+01			
P	77	99	176	1.3320E+01			
P	77	100	177	2.8500E+01			
P	77	101	178	2.7550E+01			
P	77	102	179	5.7810E+01			
P	77	103	180	6.1920E+01			
P	77	104	181	1.2770E+02			
P	77	105	182	1.5750E+02			
P	77	106	183	4.5490E+02			
P	77	107	184	4.4100E+02			
P	77	108	185	2.2800E+03			
P	77	109	186	1.2810E+03			
P	77	110	187	1.4420E+04			
P	77	111	188	6.9160E+03			
P	77	113	190	1.1250E+05			
M	77	119	196	1.2630E+03	0.330	2.000	
M	77	120	197	1.4490E+03	0.339	1.022	
M	77	121	198	5.0680E+01	0.835	2.105	
M	77	122	199	2.1710E+02	0.541	1.165	
M	77	123	200	2.4720E+01	0.987	2.179	
M	77	124	201	4.4980E+01	0.698	1.439	
M	77	125	202	9.9220E+00	1.169	2.371	
M	77	126	203	8.7030E+00	0.939	1.735	
M	77	127	204	4.3450E-01	1.895	3.455	0.18
M	77	128	205	3.9930E-01	1.765	2.337	20.66
M	77	129	206	2.6650E-01	2.051	3.632	16.53
M	77	130	207	2.3410E-01	1.962	2.462	26.34
M	77	131	208	1.6200E-01	2.229	3.816	23.18
M	77	132	209	1.5010E-01	2.141	2.574	29.85
M	77	133	210	1.1900E-01	2.346	3.929	30.24
M	77	134	211	1.0440E-01	2.297	2.671	40.56
M	77	135	212	8.6980E-02	2.473	4.046	37.92
M	77	136	213	7.6150E-02	2.439	2.761	49.06
M	77	137	214	6.1010E-02	2.628	4.182	43.58
M	77	138	215	5.7890E-02	2.567	2.843	54.04
M	77	139	216	5.2490E-02	2.691	4.237	46.24
M	77	140	217	4.4440E-02	2.696	2.926	51.44
M	77	141	218	3.7380E-02	2.855	4.374	48.86

M	77	142	219	3.1860E-02	2.871	3.038	57.65
M	77	143	220	2.6970E-02	3.022	4.509	55.40
M	77	144	221	2.3190E-02	3.046	3.153	64.25
M	77	145	222	1.9680E-02	3.194	4.645	62.24
M	77	146	223	1.6710E-02	3.238	3.279	71.04
M	77	147	224	1.3970E-02	3.393	4.801	82.18
M	77	148	225	1.2330E-02	3.424	3.404	92.14
M	77	149	226	1.0680E-02	3.556	4.926	84.01
M	77	150	227	9.0380E-03	3.626	3.541	93.04
M	77	151	228	7.8340E-03	3.756	5.080	85.92
M	77	152	229	6.6700E-03	3.832	3.683	94.06
M	77	153	230	5.3870E-03	4.035	5.032	88.44
M	77	154	231	5.1510E-03	4.043	3.738	95.13
M	77	155	232	4.2000E-03	4.214	5.168	89.64
M	77	156	233	3.9390E-03	4.242	3.881	95.72
M	77	157	234	3.3180E-03	4.390	5.302	90.85
M	77	158	235	3.1420E-03	4.414	4.007	96.33
M	77	159	236	2.6440E-03	4.565	5.437	91.88
M	77	160	237	2.5110E-03	4.590	4.138	96.89
M	77	161	238	2.0420E-03	4.776	5.599	92.90
M	77	162	239	2.0240E-03	4.766	4.270	97.05
M	77	163	240	1.7010E-03	4.925	5.716	93.26
M	77	164	241	1.4880E-03	5.035	4.472	97.47
M	77	165	242	1.1710E-03	5.264	5.978	94.23
M	77	166	243	1.0830E-03	5.328	4.694	97.94
M	77	167	244	9.1860E-04	5.490	6.155	94.88
M	77	168	245	8.6810E-04	5.536	4.856	98.03
M	77	169	246	7.6090E-04	5.668	6.297	95.50
M	77	170	247	7.1830E-04	5.718	4.999	98.35
M	77	171	248	6.4500E-04	5.826	6.424	96.74
M	77	172	249	6.3480E-04	5.833	5.093	98.62
M	77	173	250	6.0420E-04	5.878	6.469	97.23
M	77	174	251	5.1220E-04	6.052	5.267	98.94
M	77	176	253	4.2570E-04	6.245	5.423	100.00
M	77	178	255	3.6060E-04	6.421	5.567	100.00
P	78	87	165	3.9580E-01			
P	78	88	166	6.1810E-01			
P	78	89	167	6.9200E-01			
P	78	90	168	1.1010E+00			
P	78	91	169	1.1790E+00			
P	78	92	170	1.8110E+00			
P	78	93	171	1.9710E+00			
P	78	94	172	3.3490E+00			
P	78	95	173	3.7700E+00			
P	78	96	174	5.4720E+00			
P	78	97	175	4.6170E+00			
P	78	98	176	7.9430E+00			
P	78	99	177	9.9960E+00			
P	78	100	178	1.9530E+01			
P	78	101	179	2.1060E+01			
P	78	102	180	3.7630E+01			
P	78	103	181	5.0310E+01			
P	78	104	182	8.6460E+01			
P	78	105	183	1.1170E+02			

P	78	106	184	2.6460E+02			
P	78	107	185	3.4280E+02			
P	78	108	186	1.1910E+03			
P	78	109	187	1.6360E+03			
P	78	110	188	6.7960E+04			
P	78	111	189	1.3600E+04			
P	78	113	191	1.5340E+07			
M	78	121	199	1.6630E+05	0.072	1.001	
M	78	123	201	1.5980E+03	0.336	1.019	
M	78	124	202	4.1400E+03	0.137	0.261	
M	78	125	203	1.7730E+02	0.533	1.251	
M	78	126	204	9.2690E+01	0.434	0.332	
M	78	127	205	1.3870E+00	1.352	2.064	
M	78	128	206	1.2280E+00	1.327	0.663	0.02
M	78	129	207	8.4100E-01	1.497	2.157	0.16
M	78	130	208	7.0550E-01	1.501	0.743	0.21
M	78	131	209	5.0950E-01	1.657	2.257	0.85
M	78	132	210	3.8340E-01	1.715	0.846	0.85
M	78	133	211	2.8630E-01	1.862	2.384	2.33
M	78	134	212	2.4890E-01	1.878	0.929	2.92
M	78	135	213	1.9020E-01	2.019	2.480	4.85
M	78	136	214	1.6230E-01	2.052	1.021	4.78
M	78	137	215	1.3480E-01	2.159	2.566	7.97
M	78	138	216	1.2180E-01	2.172	1.087	6.99
M	78	139	217	1.1240E-01	2.231	2.611	8.72
M	78	140	218	9.2100E-02	2.296	1.156	7.14
M	78	141	219	7.6590E-02	2.404	2.719	10.84
M	78	142	220	6.2870E-02	2.477	1.260	10.52
M	78	143	221	5.2090E-02	2.590	2.836	15.12
M	78	144	222	4.3330E-02	2.665	1.371	14.97
M	78	145	223	3.6450E-02	2.772	2.953	17.81
M	78	146	224	3.0480E-02	2.852	1.485	17.70
M	78	147	225	2.5160E-02	2.974	3.084	23.67
M	78	148	226	2.0830E-02	3.070	1.621	26.09
M	78	149	227	1.8140E-02	3.162	3.208	34.07
M	78	150	228	1.5480E-02	3.246	1.734	32.70
M	78	151	229	1.3010E-02	3.364	3.343	39.76
M	78	152	230	1.1870E-02	3.441	1.930	37.32
M	78	153	231	9.2160E-03	3.610	3.407	42.48
M	78	154	232	8.8100E-03	3.635	2.064	48.12
M	78	155	233	7.1250E-03	3.782	3.528	51.99
M	78	156	234	6.6170E-03	3.830	2.201	49.96
M	78	157	235	5.4670E-03	3.966	3.660	58.64
M	78	158	236	5.1260E-03	4.010	2.330	59.28
M	78	159	237	4.2560E-03	4.147	3.792	64.16
M	78	160	238	3.9030E-03	4.211	2.477	60.50
M	78	161	239	3.2310E-03	4.356	3.945	62.00
M	78	162	240	2.9880E-03	4.417	2.629	65.29
M	78	163	241	2.5080E-03	4.556	4.094	69.48
M	78	164	242	2.3030E-03	4.626	2.786	65.53
M	78	165	243	1.6630E-03	4.909	4.359	66.03
M	78	166	244	1.5740E-03	4.957	3.035	73.97
M	78	167	245	1.3680E-03	5.076	4.488	77.61
M	78	168	246	1.2940E-03	5.127	3.168	77.32
M	78	169	247	1.1260E-03	5.249	4.623	81.68

M	78	170	248	1.0590E-03	5.307	3.310	82.27
M	78	171	249	9.2810E-04	5.425	4.762	86.10
M	78	172	250	8.6900E-04	5.490	3.455	85.47
M	78	173	251	7.9620E-04	5.566	4.875	87.13
M	78	174	252	7.1030E-04	5.683	3.611	87.52
M	78	176	254	5.9090E-04	5.864	3.757	94.02
M	78	178	256	4.9700E-04	6.038	3.900	100.00
M	78	180	258	4.2960E-04	6.185	4.023	100.00
P	79	91	170	5.5810E-01			
P	79	92	171	8.7880E-01			
P	79	93	172	8.8870E-01			
P	79	94	173	1.4650E+00			
P	79	95	174	1.6430E+00			
P	79	96	175	2.9300E+00			
P	79	97	176	2.2940E+00			
P	79	98	177	3.2440E+00			
P	79	99	178	3.6540E+00			
P	79	100	179	6.8060E+00			
P	79	101	180	7.4540E+00			
P	79	102	181	1.3590E+01			
P	79	103	182	1.4710E+01			
P	79	104	183	2.7830E+01			
P	79	105	184	2.8670E+01			
P	79	106	185	6.3910E+01			
P	79	107	186	6.6040E+01			
P	79	108	187	1.5660E+02			
P	79	109	188	1.4300E+02			
P	79	110	189	4.8680E+02			
P	79	111	190	4.5840E+02			
P	79	112	191	2.6840E+03			
P	79	113	192	1.3410E+03			
P	79	114	193	2.1060E+04			
P	79	115	194	4.6660E+03			
P	79	117	196	7.7860E+04			
M	79	121	200	2.3470E+04	0.133	1.941	
M	79	122	201	3.8280E+05	0.051	1.001	
M	79	123	202	4.8400E+02	0.425	2.010	
M	79	124	203	2.1970E+03	0.289	1.013	
M	79	125	204	7.2720E+01	0.736	2.066	
M	79	126	205	1.2950E+02	0.573	1.243	
M	79	127	206	1.4530E+00	1.537	2.992	
M	79	128	207	1.6040E+00	1.295	2.034	4.85
M	79	129	208	9.1990E-01	1.643	3.155	3.09
M	79	130	209	8.8620E-01	1.460	2.148	9.10
M	79	131	210	6.2270E-01	1.742	3.293	6.47
M	79	132	211	6.0240E-01	1.576	2.225	13.41
M	79	133	212	3.7560E-01	1.887	3.475	11.75
M	79	134	213	3.2990E-01	1.780	2.356	20.38
M	79	135	214	2.4430E-01	2.023	3.630	18.47
M	79	136	215	2.0800E-01	1.951	2.464	27.83
M	79	137	216	1.5970E-01	2.172	3.784	24.95
M	79	138	217	1.6060E-01	2.050	2.526	35.25
M	79	139	218	1.3320E-01	2.234	3.847	24.83
M	79	140	219	1.1560E-01	2.184	2.612	32.19

M	79	141	220	8.9940E-02	2.390	3.993	28.78
M	79	142	221	7.8510E-02	2.355	2.720	39.21
M	79	143	222	6.1590E-02	2.552	4.138	35.79
M	79	144	223	5.2760E-02	2.543	2.839	46.64
M	79	145	224	4.2150E-02	2.728	4.287	43.94
M	79	146	225	3.6480E-02	2.730	2.959	55.13
M	79	147	226	3.0110E-02	2.895	4.424	52.11
M	79	148	227	2.4930E-02	2.935	3.093	62.69
M	79	149	228	2.1370E-02	3.076	4.569	62.51
M	79	150	229	1.8060E-02	3.118	3.214	69.30
M	79	151	230	1.3470E-02	3.357	4.536	57.05
M	79	152	231	1.2760E-02	3.355	3.273	74.87
M	79	153	232	9.6870E-03	3.561	4.691	69.20
M	79	154	233	9.2740E-03	3.559	3.413	93.48
M	79	155	234	7.2950E-03	3.745	4.831	71.17
M	79	156	235	6.8630E-03	3.760	3.555	94.33
M	79	157	236	5.5840E-03	3.926	4.968	88.40
M	79	158	237	5.2660E-03	3.944	3.686	94.95
M	79	159	238	4.8170E-03	4.023	5.043	89.52
M	79	160	239	4.1680E-03	4.111	3.807	94.93
M	79	161	240	3.2200E-03	4.327	5.274	89.95
M	79	162	241	3.0170E-03	4.360	3.989	95.77
M	79	163	242	2.4030E-03	4.557	5.451	91.17
M	79	164	243	2.2700E-03	4.588	4.157	95.94
M	79	165	244	1.6870E-03	4.855	5.680	91.96
M	79	166	245	1.6480E-03	4.860	4.361	96.87
M	79	167	246	1.4660E-03	4.968	5.770	93.40
M	79	168	247	1.3860E-03	5.006	4.474	97.36
M	79	169	248	1.1850E-03	5.153	5.916	94.46
M	79	170	249	1.0990E-03	5.213	4.634	97.78
M	79	171	250	9.3480E-04	5.370	6.086	95.16
M	79	172	251	8.5210E-04	5.453	4.819	98.05
M	79	173	252	7.2740E-04	5.610	6.277	95.73
M	79	174	253	7.0840E-04	5.627	4.958	98.97
M	79	175	254	6.4950E-04	5.712	6.360	98.58
M	79	176	255	6.1310E-04	5.764	5.068	100.00
M	79	178	257	4.9010E-04	5.993	5.250	100.00
M	79	180	259	4.3930E-04	6.098	5.338	100.00
M	79	182	261	3.8010E-04	6.246	5.460	100.00

P	80	91	171	4.7080E-01			
P	80	92	172	7.4780E-01			
P	80	93	173	8.1430E-01			
P	80	94	174	1.2970E+00			
P	80	95	175	1.3980E+00			
P	80	96	176	2.4750E+00			
P	80	97	177	2.6650E+00			
P	80	98	178	3.4640E+00			
P	80	99	179	3.2940E+00			
P	80	100	180	4.7940E+00			
P	80	101	181	5.6600E+00			
P	80	102	182	9.6940E+00			
P	80	103	183	1.1330E+01			
P	80	104	184	1.9630E+01			
P	80	105	185	2.2300E+01			

P	80	106	186	4.2050E+01			
P	80	107	187	4.8400E+01			
P	80	108	188	1.0090E+02			
P	80	109	189	1.1500E+02			
P	80	110	190	2.9920E+02			
P	80	111	191	5.2140E+02			
P	80	112	192	3.0920E+03			
P	80	113	193	3.9190E+03			
P	80	115	195	1.3940E+05			
M	80	125	205	5.7160E+04	0.100	1.002	
M	80	127	207	9.1270E+00	0.891	1.733	
M	80	128	208	8.0980E+00	0.818	0.460	
M	80	129	209	4.0540E+00	1.051	1.864	
M	80	130	210	3.4730E+00	1.008	0.533	
M	80	131	211	2.1650E+00	1.195	1.968	
M	80	132	212	1.8050E+00	1.176	0.603	0.00
M	80	133	213	1.2850E+00	1.329	2.058	0.02
M	80	134	214	1.0200E+00	1.340	0.676	0.04
M	80	135	215	7.2760E-01	1.495	2.164	0.25
M	80	136	216	5.8040E-01	1.519	0.760	0.33
M	80	137	217	4.0330E-01	1.687	2.284	1.13
M	80	138	218	3.8950E-01	1.656	0.827	0.94
M	80	139	219	3.3180E-01	1.750	2.324	1.43
M	80	140	220	2.7670E-01	1.779	0.890	1.13
M	80	141	221	2.0440E-01	1.930	2.434	2.45
M	80	142	222	1.7350E-01	1.962	0.986	2.74
M	80	143	223	1.3240E-01	2.104	2.542	4.83
M	80	144	224	1.1170E-01	2.149	1.088	5.29
M	80	145	225	8.5780E-02	2.293	2.660	8.40
M	80	146	226	7.1660E-02	2.352	1.203	8.97
M	80	147	227	5.7860E-02	2.475	2.775	13.22
M	80	148	228	4.7770E-02	2.550	1.319	14.32
M	80	149	229	4.0010E-02	2.658	2.892	18.68
M	80	150	230	3.6430E-02	2.718	1.475	19.55
M	80	151	231	2.7000E-02	2.889	2.932	21.39
M	80	152	232	2.4870E-02	2.926	1.608	22.76
M	80	153	233	1.8440E-02	3.105	3.077	27.72
M	80	154	234	1.7230E-02	3.138	1.748	32.58
M	80	155	235	1.3320E-02	3.300	3.210	38.12
M	80	156	236	1.2290E-02	3.344	1.887	39.67
M	80	157	237	9.7610E-03	3.494	3.345	41.67
M	80	158	238	9.0610E-03	3.538	2.021	43.09
M	80	159	239	8.8490E-03	3.549	3.385	45.63
M	80	160	240	7.8560E-03	3.626	2.085	40.87
M	80	161	241	5.6230E-03	3.863	3.608	43.18
M	80	162	242	4.9550E-03	3.953	2.316	46.95
M	80	163	243	4.1160E-03	4.089	3.772	48.31
M	80	164	244	4.0150E-03	4.103	2.427	48.83
M	80	165	245	2.8470E-03	4.374	3.981	53.91
M	80	166	246	2.6940E-03	4.416	2.657	65.00
M	80	167	247	2.3370E-03	4.527	4.097	65.68
M	80	168	248	2.2090E-03	4.572	2.775	65.45
M	80	169	249	1.9200E-03	4.684	4.218	70.07
M	80	170	250	1.8540E-03	4.712	2.884	69.81
M	80	171	251	1.6260E-03	4.819	4.322	73.93

M	80	172	252	1.5180E-03	4.879	3.014	76.82
M	80	173	253	1.1520E-03	5.127	4.559	81.96
M	80	174	254	1.0600E-03	5.206	3.266	83.62
M	80	176	256	8.8090E-04	5.373	3.401	89.99
M	80	178	258	7.5020E-04	5.521	3.521	93.00
M	80	180	260	6.2620E-04	5.694	3.662	100.00
M	80	182	262	5.5270E-04	5.811	3.760	100.00
M	80	184	264	4.6450E-04	5.985	3.904	100.00
P	81	95	176	7.3070E-01			
P	81	96	177	1.1800E+00			
P	81	97	178	1.3020E+00			
P	81	98	179	2.3850E+00			
P	81	99	180	2.6200E+00			
P	81	100	181	3.8770E+00			
P	81	101	182	3.5870E+00			
P	81	102	183	5.6050E+00			
P	81	103	184	5.8400E+00			
P	81	104	185	9.8880E+00			
P	81	105	186	1.0590E+01			
P	81	106	187	2.1520E+01			
P	81	107	188	2.3150E+01			
P	81	108	189	4.3580E+01			
P	81	109	190	4.5060E+01			
P	81	110	191	9.1870E+01			
P	81	111	192	1.0790E+02			
P	81	112	193	3.5690E+02			
P	81	113	194	3.8460E+02			
P	81	114	195	2.2940E+03			
P	81	115	196	1.1480E+03			
P	81	116	197	1.7120E+04			
P	81	117	198	4.0930E+03			
P	81	119	200	3.7950E+04			
M	81	125	206	6.3420E+03	0.188	1.952	
M	81	126	207	6.3550E+04	0.091	1.002	
M	81	127	208	8.8670E+00	1.149	2.371	
M	81	128	209	1.2800E+01	0.832	1.651	0.00
M	81	129	210	4.6050E+00	1.267	2.566	0.00
M	81	130	211	5.3800E+00	0.982	1.802	0.28
M	81	131	212	2.3810E+00	1.391	2.788	0.23
M	81	132	213	2.3300E+00	1.162	1.948	1.93
M	81	133	214	1.2070E+00	1.535	3.029	1.56
M	81	134	215	1.1460E+00	1.344	2.079	5.54
M	81	135	216	6.8940E-01	1.670	3.229	4.45
M	81	136	217	6.2930E-01	1.518	2.196	10.40
M	81	137	218	4.0640E-01	1.815	3.418	8.49
M	81	138	219	4.0710E-01	1.657	2.287	15.12
M	81	139	220	3.5090E-01	1.853	3.467	11.09
M	81	140	221	3.6090E-01	1.692	2.310	15.64
M	81	141	222	2.3820E-01	1.974	3.604	11.40
M	81	142	223	2.2130E-01	1.867	2.421	20.59
M	81	143	224	1.5140E-01	2.130	3.768	17.29
M	81	144	225	1.3730E-01	2.055	2.540	23.79
M	81	145	226	1.0020E-01	2.287	3.920	24.85
M	81	146	227	8.9420E-02	2.236	2.655	36.92

M	81	147	228	6.4920E-02	2.468	4.084	33.34
M	81	148	229	5.8890E-02	2.427	2.776	46.74
M	81	149	230	3.9780E-02	2.699	4.043	36.13
M	81	150	231	3.8860E-02	2.655	2.818	46.40
M	81	151	232	2.8970E-02	2.857	4.168	44.98
M	81	152	233	2.7590E-02	2.835	2.936	58.00
M	81	153	234	2.0880E-02	3.030	4.303	52.90
M	81	154	235	1.9770E-02	3.019	3.060	61.52
M	81	155	236	1.4750E-02	3.227	4.454	59.66
M	81	156	237	1.3490E-02	3.245	3.214	72.78
M	81	157	238	1.0420E-02	3.436	4.614	68.31
M	81	158	239	9.5630E-03	3.461	3.362	74.28
M	81	159	240	7.8250E-03	3.616	4.752	63.50
M	81	160	241	7.4700E-03	3.619	3.474	68.48
M	81	161	242	6.1910E-03	3.768	4.868	63.46
M	81	162	243	5.8340E-03	3.785	3.593	72.09
M	81	163	244	4.6970E-03	3.958	5.014	71.28
M	81	164	245	4.3340E-03	3.996	3.745	79.25
M	81	165	246	2.9770E-03	4.302	5.276	76.51
M	81	166	247	2.9070E-03	4.302	3.968	96.05
M	81	167	248	2.5740E-03	4.408	5.359	91.72
M	81	168	249	2.4840E-03	4.419	4.057	96.45
M	81	169	250	2.1380E-03	4.550	5.470	92.18
M	81	170	251	2.0070E-03	4.588	4.184	96.80
M	81	171	252	1.7230E-03	4.725	5.606	93.00
M	81	172	253	1.6290E-03	4.759	4.315	97.32
M	81	173	254	1.2910E-03	4.972	5.800	94.51
M	81	174	255	1.2040E-03	5.025	4.518	98.06
M	81	175	256	1.0410E-03	5.162	5.951	95.51
M	81	176	257	9.5350E-04	5.236	4.682	98.37
M	81	177	258	8.1580E-04	5.387	6.129	96.71
M	81	178	259	7.8150E-04	5.420	4.827	98.79
M	81	180	261	6.9370E-04	5.526	4.914	100.00
M	81	182	263	5.7480E-04	5.708	5.060	100.00
M	81	184	265	5.0450E-04	5.832	5.162	100.00
P	82	95	177	6.6260E-01			
P	82	96	178	1.0330E+00			
P	82	97	179	1.1180E+00			
P	82	98	180	1.7860E+00			
P	82	99	181	2.1280E+00			
P	82	100	182	3.9070E+00			
P	82	101	183	4.0540E+00			
P	82	102	184	6.1030E+00			
P	82	103	185	6.5710E+00			
P	82	104	186	1.0720E+01			
P	82	105	187	1.1920E+01			
P	82	106	188	1.9410E+01			
P	82	107	189	2.0930E+01			
P	82	108	190	3.5380E+01			
P	82	109	191	4.0250E+01			
P	82	110	192	7.2850E+01			
P	82	111	193	8.6240E+01			
P	82	112	194	1.9410E+02			
P	82	113	195	2.8910E+02			

P	82	114	196	1.3790E+03			
P	82	115	197	1.6680E+03			
P	82	116	198	2.2410E+05			
P	82	117	199	1.1520E+04			
P	82	119	201	1.2190E+07			
M	82	129	211	3.6540E+03	0.242	1.010	
M	82	130	212	1.3140E+05	0.041	0.251	
M	82	131	213	4.9570E+02	0.423	1.093	
M	82	132	214	7.2960E+02	0.220	0.274	
M	82	133	215	9.2040E+01	0.558	1.346	
M	82	134	216	7.6350E+01	0.426	0.332	
M	82	135	217	2.4020E+01	0.703	1.567	
M	82	136	218	1.6670E+01	0.648	0.401	
M	82	137	219	5.1030E+00	0.960	1.809	
M	82	138	220	2.6820E+00	1.031	0.548	
M	82	139	221	1.2410E+00	1.295	2.045	0.00
M	82	140	222	1.1050E+00	1.271	0.652	0.00
M	82	141	223	6.6260E-01	1.476	2.161	0.04
M	82	142	224	5.8830E-01	1.465	0.743	0.09
M	82	143	225	3.9800E-01	1.639	2.263	0.44
M	82	144	226	3.2990E-01	1.664	0.841	0.57
M	82	145	227	2.3160E-01	1.831	2.382	1.70
M	82	146	228	1.9480E-01	1.863	0.945	1.97
M	82	147	229	1.4230E-01	2.020	2.500	4.32
M	82	148	230	1.3090E-01	2.054	1.088	4.67
M	82	149	231	8.9390E-02	2.236	2.522	7.54
M	82	150	232	8.7020E-02	2.231	1.192	8.79
M	82	151	233	6.2680E-02	2.397	2.624	11.55
M	82	152	234	5.8220E-02	2.418	1.305	12.85
M	82	153	235	4.2140E-02	2.589	2.748	16.98
M	82	154	236	4.0130E-02	2.602	1.420	18.17
M	82	155	237	3.0400E-02	2.756	2.858	22.52
M	82	156	238	2.8070E-02	2.789	1.540	24.10
M	82	157	239	2.2040E-02	2.929	2.974	25.72
M	82	158	240	2.6570E-02	2.809	1.556	27.42
M	82	159	241	2.4120E-02	2.866	2.933	26.99
M	82	160	242	2.2960E-02	2.883	1.606	23.61
M	82	161	243	1.8330E-02	3.017	3.035	27.18
M	82	162	244	1.7190E-02	3.046	1.715	27.24
M	82	163	245	1.4460E-02	3.151	3.128	32.01
M	82	164	246	1.4100E-02	3.158	1.792	29.16
M	82	165	247	8.7990E-03	3.464	3.346	35.60
M	82	166	248	7.8800E-03	3.533	2.049	48.12
M	82	167	249	6.2360E-03	3.693	3.510	49.43
M	82	168	250	6.0180E-03	3.712	2.178	55.52
M	82	169	251	5.1800E-03	3.816	3.600	56.06
M	82	170	252	5.0310E-03	3.832	2.266	60.10
M	82	171	253	4.2810E-03	3.947	3.697	64.75
M	82	172	254	3.9910E-03	3.995	2.386	64.93
M	82	173	255	3.1770E-03	4.167	3.861	72.39
M	82	174	256	2.8890E-03	4.240	2.567	74.28
M	82	175	257	2.4170E-03	4.378	4.019	79.25
M	82	176	258	2.2680E-03	4.428	2.710	76.85
M	82	177	259	1.8620E-03	4.588	4.179	81.93
M	82	178	260	1.6430E-03	4.695	2.914	84.72

M	82	180	262	1.2690E-03	4.917	3.087	88.99
M	82	182	264	1.0900E-03	5.045	3.190	92.44
M	82	184	266	9.0640E-04	5.209	3.322	100.00
P	83	98	181	2.3690E-01			
P	83	99	182	2.4430E-01			
P	83	100	183	4.1600E-01			
P	83	101	184	4.9480E-01			
P	83	102	185	7.5870E-01			
P	83	103	186	7.8070E-01			
P	83	104	187	1.1790E+00			
P	83	105	188	1.2330E+00			
P	83	106	189	1.9230E+00			
P	83	107	190	2.0070E+00			
P	83	108	191	3.0760E+00			
P	83	109	192	3.1980E+00			
P	83	110	193	4.9940E+00			
P	83	111	194	5.1220E+00			
P	83	112	195	8.0550E+00			
P	83	113	196	8.3230E+00			
P	83	114	197	1.5570E+01			
P	83	115	198	1.9220E+01			
P	83	116	199	3.6520E+01			
P	83	117	200	3.9940E+01			
P	83	118	201	8.5270E+01			
P	83	119	202	9.8300E+01			
P	83	120	203	2.4450E+02			
P	83	121	204	2.3880E+02			
P	83	122	205	8.0650E+02			
P	83	123	206	5.4580E+02			
P	83	124	207	5.6870E+03			
P	83	125	208	2.6820E+03			
M	83	127	210	1.5110E+06	0.063	1.782	
M	83	129	212	1.1270E+03	0.311	1.964	
M	83	130	213	1.5430E+03	0.304	1.015	
M	83	131	214	5.4710E+01	0.755	2.052	
M	83	132	215	1.4050E+02	0.534	1.219	
M	83	133	216	2.4520E+01	0.920	2.124	
M	83	134	217	2.6490E+01	0.700	1.512	
M	83	135	218	6.9270E+00	1.157	2.408	
M	83	136	219	7.4950E+00	0.886	1.730	0.00
M	83	137	220	3.1190E+00	1.299	2.664	0.00
M	83	138	221	3.7480E+00	1.016	1.847	0.14
M	83	139	222	1.4940E+00	1.442	2.921	0.18
M	83	140	223	1.5330E+00	1.220	2.004	1.56
M	83	141	224	7.6740E-01	1.593	3.158	1.46
M	83	142	225	7.4250E-01	1.418	2.140	5.53
M	83	143	226	4.6090E-01	1.725	3.339	4.53
M	83	144	227	4.1100E-01	1.601	2.261	10.40
M	83	145	228	2.8000E-01	1.870	3.516	9.70
M	83	146	229	2.3480E-01	1.795	2.385	17.33
M	83	147	230	1.4180E-01	2.093	3.554	13.69
M	83	148	231	1.3420E-01	2.030	2.428	23.81
M	83	149	232	8.8530E-02	2.279	3.717	21.70
M	83	150	233	8.4830E-02	2.225	2.551	32.67

M	83	151	234	6.1740E-02	2.432	3.845	29.55
M	83	152	235	5.8810E-02	2.390	2.657	40.84
M	83	153	236	4.2820E-02	2.598	3.980	36.51
M	83	154	237	4.1530E-02	2.557	2.766	49.83
M	83	155	238	3.0480E-02	2.763	4.112	43.73
M	83	156	239	2.9070E-02	2.739	2.886	57.71
M	83	157	240	2.2240E-02	2.925	4.239	51.98
M	83	158	241	2.4190E-02	2.832	2.949	64.27
M	83	159	242	2.1950E-02	2.921	4.238	51.40
M	83	160	243	2.2630E-02	2.859	2.969	53.07
M	83	161	244	1.7960E-02	3.025	4.319	48.60
M	83	162	245	1.7800E-02	2.990	3.058	57.21
M	83	163	246	1.4340E-02	3.148	4.415	55.35
M	83	164	247	1.4180E-02	3.118	3.146	66.28
M	83	165	248	9.1270E-03	3.422	4.625	56.83
M	83	166	249	8.7440E-03	3.420	3.356	93.77
M	83	167	250	6.8060E-03	3.608	4.768	87.39
M	83	168	251	6.1050E-03	3.658	3.525	94.51
M	83	169	252	5.0170E-03	3.813	4.925	89.06
M	83	170	253	4.9010E-03	3.806	3.632	95.53
M	83	171	254	4.2500E-03	3.922	5.011	90.51
M	83	172	255	3.8890E-03	3.968	3.751	95.86
M	83	173	256	3.2240E-03	4.122	5.165	92.02
M	83	174	257	2.9750E-03	4.166	3.898	96.82
M	83	175	258	2.4240E-03	4.338	5.333	93.23
M	83	176	259	2.1730E-03	4.412	4.082	97.42
M	83	177	260	1.8150E-03	4.568	5.514	94.45
M	83	178	261	1.6820E-03	4.620	4.240	97.85
M	83	179	262	1.4410E-03	4.758	5.663	95.57
M	83	180	263	1.3180E-03	4.826	4.399	98.37
M	83	181	264	1.1130E-03	4.982	5.840	95.83
M	83	182	265	1.0050E-03	5.066	4.586	98.70
M	83	184	267	7.8470E-04	5.294	4.765	100.00
P	84	100	184	5.2040E-01			
P	84	101	185	6.1860E-01			
P	84	102	186	1.0260E+00			
P	84	103	187	1.1260E+00			
P	84	104	188	1.6980E+00			
P	84	105	189	1.7310E+00			
P	84	106	190	2.3630E+00			
P	84	107	191	2.2920E+00			
P	84	108	192	2.9550E+00			
P	84	109	193	3.1030E+00			
P	84	110	194	4.5240E+00			
P	84	111	195	4.8140E+00			
P	84	112	196	7.1610E+00			
P	84	113	197	7.8330E+00			
P	84	114	198	1.2200E+01			
P	84	115	199	1.5150E+01			
P	84	116	200	2.8580E+01			
P	84	117	201	3.6760E+01			
P	84	118	202	6.5310E+01			
P	84	119	203	7.9710E+01			
P	84	120	204	1.6270E+02			

P	84	121	205	2.0330E+02			
P	84	122	206	5.5090E+02			
P	84	123	207	6.7120E+02			
P	84	124	208	6.9440E+03			
P	84	125	209	8.6120E+03			
M	84	131	215	3.9510E+05	0.048	1.001	
M	84	132	216	3.0880E+05	0.029	0.251	
M	84	133	217	9.5370E+02	0.355	1.032	
M	84	134	218	6.5790E+02	0.219	0.274	
M	84	135	219	1.1370E+02	0.525	1.304	
M	84	136	220	9.0480E+01	0.393	0.323	
M	84	137	221	2.6230E+01	0.674	1.544	
M	84	138	222	2.8590E+01	0.543	0.368	
M	84	139	223	9.6220E+00	0.819	1.699	
M	84	140	224	8.2340E+00	0.754	0.443	
M	84	141	225	3.6270E+00	1.001	1.850	
M	84	142	226	2.6080E+00	1.006	0.542	
M	84	143	227	1.6020E+00	1.189	1.984	
M	84	144	228	1.1440E+00	1.223	0.637	
M	84	145	229	8.1200E-01	1.372	2.103	0.02
M	84	146	230	6.4300E-01	1.422	0.757	0.03
M	84	147	231	4.1100E-01	1.595	2.136	0.32
M	84	148	232	3.4060E-01	1.635	0.867	0.46
M	84	149	233	2.2450E-01	1.810	2.266	1.54
M	84	150	234	1.9510E-01	1.842	0.980	2.04
M	84	151	235	1.3850E-01	1.997	2.381	4.07
M	84	152	236	1.2870E-01	2.008	1.075	4.59
M	84	153	237	8.8170E-02	2.186	2.500	7.20
M	84	154	238	8.5260E-02	2.184	1.179	8.38
M	84	155	239	6.0270E-02	2.357	2.609	11.38
M	84	156	240	5.6640E-02	2.372	1.293	10.78
M	84	157	241	4.1800E-02	2.531	2.723	16.83
M	84	158	242	4.5090E-02	2.478	1.360	17.10
M	84	159	243	4.4190E-02	2.493	2.699	19.02
M	84	160	244	4.4500E-02	2.475	1.361	11.24
M	84	161	245	3.4640E-02	2.611	2.777	17.08
M	84	162	246	3.3600E-02	2.614	1.450	14.89
M	84	163	247	2.6680E-02	2.743	2.865	20.93
M	84	164	248	2.6380E-02	2.737	1.531	20.87
M	84	165	249	1.5960E-02	3.031	3.061	25.89
M	84	166	250	1.5110E-02	3.055	1.741	34.76
M	84	167	251	1.2350E-02	3.179	3.164	35.74
M	84	168	252	1.1010E-02	3.243	1.871	40.16
M	84	169	253	8.6030E-03	3.403	3.323	47.66
M	84	170	254	7.9100E-03	3.452	2.017	45.88
M	84	171	255	6.6090E-03	3.572	3.445	51.31
M	84	172	256	6.0290E-03	3.631	2.145	52.71
M	84	173	257	4.9190E-03	3.773	3.591	61.96
M	84	174	258	4.5260E-03	3.828	2.290	62.48
M	84	175	259	3.7130E-03	3.972	3.738	67.43
M	84	176	260	3.3600E-03	4.044	2.450	64.60
M	84	177	261	2.7160E-03	4.206	3.914	73.25
M	84	178	262	2.4610E-03	4.282	2.628	74.84
M	84	179	263	2.1150E-03	4.400	4.062	77.20
M	84	180	264	1.9500E-03	4.465	2.769	79.38

M	84	181	265	1.6700E-03	4.590	4.209	80.89
M	84	182	266	1.5620E-03	4.645	2.909	83.89
M	84	184	268	1.1530E-03	4.908	3.114	83.35
P	85	105	190	1.1040E+00			
P	85	106	191	1.5400E+00			
P	85	107	192	1.5930E+00			
P	85	108	193	2.0920E+00			
P	85	109	194	1.6850E+00			
P	85	110	195	2.5460E+00			
P	85	111	196	2.6710E+00			
P	85	112	197	4.0610E+00			
P	85	113	198	4.1830E+00			
P	85	114	199	6.4090E+00			
P	85	115	200	6.6540E+00			
P	85	116	201	1.0690E+01			
P	85	117	202	1.2460E+01			
P	85	118	203	2.3200E+01			
P	85	119	204	2.5500E+01			
P	85	120	205	4.6280E+01			
P	85	121	206	4.7430E+01			
P	85	122	207	1.0000E+02			
P	85	123	208	1.0570E+02			
P	85	124	209	2.6570E+02			
P	85	125	210	3.6020E+02			
P	85	127	212	2.1850E+06			
M	85	133	218	4.2100E+02	0.404	1.974	
M	85	134	219	8.2430E+02	0.357	1.023	
M	85	135	220	6.0150E+01	0.714	2.032	
M	85	136	221	1.9220E+02	0.492	1.161	
M	85	137	222	1.7450E+01	0.963	2.160	
M	85	138	223	3.9750E+01	0.632	1.431	
M	85	139	224	8.5800E+00	1.090	2.323	
M	85	140	225	1.1710E+01	0.786	1.641	
M	85	141	226	4.1660E+00	1.214	2.540	
M	85	142	227	3.8250E+00	0.980	1.830	0.02
M	85	143	228	1.8200E+00	1.365	2.824	0.06
M	85	144	229	1.4370E+00	1.200	2.000	0.92
M	85	145	230	7.1460E-01	1.537	3.005	0.89
M	85	146	231	6.4200E-01	1.430	2.063	3.59
M	85	147	232	3.9670E-01	1.699	3.191	3.39
M	85	148	233	3.6200E-01	1.612	2.176	8.38
M	85	149	234	2.2770E-01	1.874	3.370	7.91
M	85	150	235	2.0570E-01	1.813	2.300	15.72
M	85	151	236	1.3840E-01	2.049	3.534	14.66
M	85	152	237	1.4000E-01	1.959	2.392	24.56
M	85	153	238	8.8970E-02	2.220	3.685	19.99
M	85	154	239	9.0180E-02	2.140	2.507	33.35
M	85	155	240	6.1280E-02	2.375	3.816	27.61
M	85	156	241	5.9260E-02	2.327	2.627	41.31
M	85	157	242	4.2340E-02	2.540	3.952	36.17
M	85	158	243	4.0790E-02	2.503	2.743	50.02
M	85	159	244	4.0390E-02	2.554	3.964	41.30
M	85	160	245	4.3650E-02	2.459	2.715	46.40
M	85	161	246	3.4410E-02	2.625	4.022	37.39

M	85	162	247	3.3240E-02	2.591	2.803	47.19
M	85	163	248	2.6700E-02	2.746	4.120	42.64
M	85	164	249	2.6830E-02	2.697	2.874	46.23
M	85	165	250	1.5820E-02	3.029	4.340	46.30
M	85	166	251	1.5170E-02	3.016	3.090	70.26
M	85	167	252	1.2150E-02	3.176	4.456	63.96
M	85	168	253	1.0900E-02	3.210	3.226	70.67
M	85	169	254	8.6660E-03	3.379	4.612	73.27
M	85	170	255	8.0280E-03	3.400	3.360	94.10
M	85	171	256	6.3430E-03	3.576	4.765	87.91
M	85	172	257	5.5500E-03	3.645	3.535	94.82
M	85	173	258	4.4600E-03	3.815	4.949	89.57
M	85	174	259	4.3420E-03	3.812	3.658	95.87
M	85	175	260	3.5710E-03	3.968	5.069	90.98
M	85	176	261	3.3520E-03	3.997	3.795	96.35
M	85	177	262	2.8390E-03	4.133	5.198	92.07
M	85	178	263	2.5060E-03	4.216	3.958	96.89
M	85	179	264	2.1410E-03	4.349	5.366	93.15
M	85	180	265	2.0120E-03	4.385	4.087	97.47
M	85	181	266	1.7250E-03	4.518	5.500	94.09
M	85	182	267	1.6380E-03	4.548	4.213	97.84
M	85	183	268	1.4560E-03	4.652	5.607	95.33
M	85	184	269	1.3350E-03	4.716	4.344	98.02
M	85	188	273	7.4930E-04	5.235	4.751	100.00
M	85	190	275	7.3350E-04	5.241	4.760	100.00
M	85	192	277	5.8430E-04	5.457	4.933	100.00

P	86	105	191	8.9620E-01			
P	86	106	192	1.2240E+00			
P	86	107	193	1.3440E+00			
P	86	108	194	2.0620E+00			
P	86	109	195	1.7480E+00			
P	86	110	196	2.1560E+00			
P	86	111	197	2.3350E+00			
P	86	112	198	3.4010E+00			
P	86	113	199	3.5810E+00			
P	86	114	200	5.2590E+00			
P	86	115	201	5.6210E+00			
P	86	116	202	8.1860E+00			
P	86	117	203	9.3940E+00			
P	86	118	204	1.5450E+01			
P	86	119	205	1.8770E+01			
P	86	120	206	3.3630E+01			
P	86	121	207	3.8600E+01			
P	86	122	208	6.8500E+01			
P	86	123	209	8.6720E+01			
P	86	124	210	1.6470E+02			
P	86	125	211	3.2110E+02			
M	86	135	221	1.7140E+04	0.135	1.004	
M	86	137	223	9.5560E+02	0.344	1.029	
M	86	138	224	4.0360E+03	0.118	0.259	
M	86	139	225	1.7140E+02	0.477	1.232	
M	86	140	226	1.6560E+02	0.316	0.304	
M	86	141	227	4.7850E+01	0.584	1.441	
M	86	142	228	3.0110E+01	0.515	0.361	

M	86	143	229	1.3220E+01	0.742	1.639	
M	86	144	230	8.5670E+00	0.742	0.453	
M	86	145	231	3.5190E+00	0.973	1.763	
M	86	146	232	2.8420E+00	0.977	0.552	
M	86	147	233	1.5180E+00	1.171	1.886	
M	86	148	234	1.2830E+00	1.179	0.645	
M	86	149	235	7.3150E-01	1.372	2.007	0.01
M	86	150	236	6.2850E-01	1.388	0.747	0.04
M	86	151	237	3.7360E-01	1.584	2.135	0.35
M	86	152	238	3.9450E-01	1.537	0.825	0.50
M	86	153	239	2.2960E-01	1.752	2.239	1.21
M	86	154	240	2.3060E-01	1.727	0.928	1.80
M	86	155	241	1.4650E-01	1.921	2.343	3.17
M	86	156	242	1.4070E-01	1.917	1.036	4.22
M	86	157	243	9.5020E-02	2.097	2.454	6.55
M	86	158	244	9.1200E-02	2.097	1.142	7.87
M	86	159	245	7.7890E-02	2.178	2.506	9.40
M	86	160	246	8.4850E-02	2.121	1.158	7.77
M	86	161	247	6.8900E-02	2.226	2.537	8.81
M	86	162	248	6.7340E-02	2.220	1.219	8.84
M	86	163	249	5.5140E-02	2.323	2.600	11.02
M	86	164	250	5.4780E-02	2.310	1.276	9.74
M	86	165	251	2.9600E-02	2.630	2.804	14.30
M	86	166	252	2.8060E-02	2.647	1.489	22.27
M	86	167	253	2.1850E-02	2.788	2.911	26.32
M	86	168	254	1.9230E-02	2.850	1.623	28.08
M	86	169	255	1.5070E-02	2.994	3.053	31.62
M	86	170	256	1.4010E-02	3.029	1.745	32.66
M	86	171	257	1.1680E-02	3.140	3.156	41.02
M	86	172	258	1.0550E-02	3.196	1.862	41.30
M	86	173	259	7.9520E-03	3.378	3.326	48.24
M	86	174	260	7.1580E-03	3.442	2.035	45.13
M	86	175	261	5.8030E-03	3.583	3.475	51.98
M	86	176	262	5.2060E-03	3.654	2.189	53.55
M	86	177	263	4.5420E-03	3.748	3.596	63.77
M	86	178	264	4.2050E-03	3.799	2.296	63.79
M	86	179	265	3.5140E-03	3.928	3.731	69.27
M	86	180	266	3.2610E-03	3.980	2.432	69.47
M	86	181	267	2.7790E-03	4.098	3.861	74.83
M	86	182	268	2.6270E-03	4.138	2.553	71.26
M	86	183	269	2.3410E-03	4.224	3.957	78.54
M	86	184	270	2.2190E-03	4.263	2.650	72.98
M	86	188	274	1.1100E-03	4.843	3.100	100.00
M	86	190	276	1.0680E-03	4.865	3.122	100.00
M	86	192	278	9.6410E-04	4.946	3.191	100.00
M	86	194	280	7.6670E-04	5.152	3.357	100.00
M	86	196	282	5.8260E-04	5.413	3.569	100.00
P	87	110	197	1.2220E+00			
P	87	111	198	1.2290E+00			
P	87	112	199	1.7870E+00			
P	87	113	200	1.8470E+00			
P	87	114	201	2.6780E+00			
P	87	115	202	2.8070E+00			
P	87	116	203	4.1390E+00			

P	87	117	204	4.3670E+00			
P	87	118	205	6.3370E+00			
P	87	119	206	7.3580E+00			
P	87	120	207	1.2460E+01			
P	87	121	208	1.3230E+01			
P	87	122	209	2.3210E+01			
P	87	123	210	2.5230E+01			
P	87	124	211	4.1980E+01			
P	87	125	212	5.9170E+01			
P	87	126	213	8.9030E+03			
P	87	127	214	1.7400E+03			
P	87	128	215	5.5670E+04			
P	87	129	216	3.5500E+03			
P	87	131	218	1.9660E+04			
M	87	135	222	2.4100E+06	0.052	1.774	
M	87	137	224	3.3690E+02	0.418	1.966	
M	87	138	225	1.7800E+03	0.269	1.012	
M	87	139	226	7.8570E+01	0.641	2.006	
M	87	140	227	1.6710E+02	0.488	1.176	
M	87	141	228	2.9860E+01	0.831	2.061	
M	87	142	229	4.2010E+01	0.606	1.412	
M	87	143	230	7.8980E+00	1.028	2.253	
M	87	144	231	1.1020E+01	0.750	1.608	
M	87	145	232	3.2250E+00	1.176	2.515	
M	87	146	233	3.5380E+00	0.959	1.765	0.01
M	87	147	234	1.3500E+00	1.347	2.784	0.02
M	87	148	235	1.4780E+00	1.159	1.899	0.79
M	87	149	236	7.0140E-01	1.500	2.988	0.73
M	87	150	237	6.9870E-01	1.362	2.027	3.75
M	87	151	238	3.5480E-01	1.687	3.203	3.56
M	87	152	239	4.0590E-01	1.528	2.131	9.74
M	87	153	240	2.2280E-01	1.831	3.351	7.26
M	87	154	241	2.3790E-01	1.708	2.244	16.08
M	87	155	242	1.4720E-01	1.972	3.485	13.08
M	87	156	243	1.4590E-01	1.889	2.358	23.29
M	87	157	244	9.4370E-02	2.138	3.635	20.05
M	87	158	245	9.4230E-02	2.065	2.469	27.73
M	87	159	246	7.5300E-02	2.224	3.710	26.07
M	87	160	247	9.0730E-02	2.073	2.475	31.01
M	87	161	248	6.6190E-02	2.271	3.752	23.88
M	87	162	249	6.5060E-02	2.214	2.567	29.38
M	87	163	250	5.3930E-02	2.354	3.823	28.25
M	87	164	251	5.5930E-02	2.277	2.608	29.67
M	87	165	252	2.9280E-02	2.641	4.055	30.63
M	87	166	253	2.8150E-02	2.614	2.832	54.93
M	87	167	254	2.1550E-02	2.793	4.177	44.63
M	87	168	255	1.9110E-02	2.819	2.971	61.96
M	87	169	256	1.5000E-02	2.987	4.329	59.72
M	87	170	257	1.4080E-02	2.988	3.088	71.83
M	87	171	258	1.1600E-02	3.129	4.440	66.87
M	87	172	259	1.0830E-02	3.139	3.194	77.72
M	87	173	260	9.0410E-03	3.274	4.553	68.93
M	87	174	261	8.0720E-03	3.318	3.321	93.97
M	87	175	262	6.4590E-03	3.483	4.715	88.03
M	87	176	263	5.5520E-03	3.562	3.497	94.86

M	87	177	264	4.4590E-03	3.730	4.907	89.74
M	87	178	265	4.1790E-03	3.755	3.639	95.94
M	87	179	266	3.5450E-03	3.886	5.030	91.47
M	87	180	267	3.2850E-03	3.924	3.765	96.30
M	87	181	268	2.7980E-03	4.055	5.162	92.23
M	87	182	269	2.6540E-03	4.078	3.882	97.07
M	87	183	270	2.3550E-03	4.178	5.260	93.41
M	87	184	271	2.2430E-03	4.201	3.976	97.22
M	87	186	273	1.1820E-03	4.741	4.389	100.00
M	87	188	275	1.0700E-03	4.818	4.452	100.00
M	87	190	277	1.0560E-03	4.817	4.454	100.00
M	87	192	279	9.6710E-04	4.884	4.510	100.00
M	87	194	281	8.2380E-04	5.022	4.622	100.00
M	87	196	283	6.5610E-04	5.231	4.789	100.00
M	87	198	285	5.1580E-04	5.461	4.976	100.00
M	87	200	287	4.4180E-04	5.609	5.098	100.00
P	88	110	198	9.9970E-01			
P	88	111	199	1.0480E+00			
P	88	112	200	1.4680E+00			
P	88	113	201	1.5670E+00			
P	88	114	202	2.2340E+00			
P	88	115	203	2.3470E+00			
P	88	116	204	3.3580E+00			
P	88	117	205	3.7040E+00			
P	88	118	206	5.1080E+00			
P	88	119	207	5.5310E+00			
P	88	120	208	8.9090E+00			
P	88	121	209	1.0350E+01			
P	88	122	210	1.6960E+01			
P	88	123	211	1.9150E+01			
P	88	124	212	2.9960E+01			
P	88	125	213	4.5010E+01			
P	88	126	214	2.4410E+05			
P	88	127	215	5.4140E+03			
P	88	129	217	1.6090E+04			
P	88	131	219	2.8530E+06			
M	88	139	227	3.4990E+06	0.022	1.000	
M	88	141	229	2.1810E+03	0.257	1.012	
M	88	142	230	1.0980E+04	0.085	0.256	
M	88	143	231	2.0630E+02	0.402	1.258	
M	88	144	232	2.9240E+02	0.270	0.287	
M	88	145	233	3.6730E+01	0.562	1.464	
M	88	146	234	4.4780E+01	0.460	0.352	
M	88	147	235	9.2520E+00	0.759	1.626	
M	88	148	236	8.6270E+00	0.715	0.446	
M	88	149	237	3.0930E+00	0.970	1.766	
M	88	150	238	2.9310E+00	0.938	0.539	
M	88	151	239	1.2790E+00	1.180	1.897	
M	88	152	240	1.3380E+00	1.131	0.628	
M	88	153	241	7.4220E-01	1.327	1.986	0.01
M	88	154	242	6.9470E-01	1.315	0.719	0.02
M	88	155	243	4.1340E-01	1.505	2.094	0.22
M	88	156	244	3.8770E-01	1.498	0.814	0.37
M	88	157	245	2.4300E-01	1.683	2.204	1.20

M	88	158	246	2.3160E-01	1.676	0.911	1.60
M	88	159	247	1.5920E-01	1.836	2.299	3.02
M	88	160	248	2.0600E-01	1.714	0.933	2.66
M	88	161	249	1.6070E-01	1.825	2.293	2.67
M	88	162	250	1.5330E-01	1.823	0.996	2.48
M	88	163	251	1.2630E-01	1.914	2.349	3.52
M	88	164	252	1.2720E-01	1.891	1.037	2.52
M	88	165	253	5.9820E-02	2.233	2.554	5.48
M	88	166	254	5.6330E-02	2.246	1.250	11.14
M	88	167	255	4.1810E-02	2.397	2.662	14.55
M	88	168	256	3.6320E-02	2.454	1.382	14.00
M	88	169	257	2.7840E-02	2.597	2.797	22.33
M	88	170	258	2.5730E-02	2.627	1.495	23.70
M	88	171	259	2.0540E-02	2.754	2.905	28.69
M	88	172	260	1.8900E-02	2.790	1.605	29.73
M	88	173	261	1.5830E-02	2.894	3.002	34.83
M	88	174	262	1.4370E-02	2.941	1.708	31.58
M	88	175	263	1.1880E-02	3.056	3.116	40.89
M	88	176	264	1.0970E-02	3.096	1.817	42.39
M	88	177	265	8.2750E-03	3.274	3.273	47.60
M	88	178	266	7.0210E-03	3.375	2.014	45.36
M	88	179	267	5.6160E-03	3.524	3.455	56.45
M	88	180	268	5.1300E-03	3.581	2.164	58.53
M	88	181	269	4.3210E-03	3.700	3.586	60.82
M	88	182	270	4.1320E-03	3.726	2.272	61.11
M	88	183	271	3.5730E-03	3.828	3.683	67.66
M	88	184	272	3.3720E-03	3.866	2.378	66.80
M	88	186	274	1.7200E-03	4.396	2.779	100.00
M	88	188	276	1.5580E-03	4.467	2.838	100.00
M	88	190	278	1.5240E-03	4.473	2.847	100.00
M	88	192	280	1.3600E-03	4.559	2.918	91.52
M	88	194	282	1.1650E-03	4.684	3.019	89.09
M	88	196	284	9.5060E-04	4.857	3.159	91.66
M	88	198	286	7.6520E-04	5.049	3.315	100.00
M	88	200	288	6.2810E-04	5.228	3.463	100.00
P	89	114	203	1.2260E+00			
P	89	115	204	1.2500E+00			
P	89	116	205	1.8470E+00			
P	89	117	206	1.8080E+00			
P	89	118	207	2.5570E+00			
P	89	119	208	2.6420E+00			
P	89	120	209	3.8830E+00			
P	89	121	210	4.3170E+00			
P	89	122	211	7.2470E+00			
P	89	123	212	7.3610E+00			
P	89	124	213	1.1270E+01			
P	89	125	214	1.5110E+01			
P	89	126	215	3.8640E+02			
P	89	127	216	2.6170E+02			
P	89	128	217	9.1970E+02			
P	89	129	218	3.9860E+02			
P	89	130	219	2.6040E+03			
P	89	131	220	6.8860E+02			
P	89	132	221	4.8990E+03			

P	89	133	222	1.8350E+03			
P	89	134	223	1.2880E+06			
P	89	135	224	8.9710E+04			
M	89	139	228	2.9020E+04	0.103	1.891	
M	89	140	229	1.2270E+07	0.013	1.000	
M	89	141	230	4.0620E+02	0.385	1.800	
M	89	142	231	3.2350E+03	0.216	1.009	
M	89	143	232	6.4970E+01	0.659	1.857	
M	89	144	233	2.5910E+02	0.397	1.181	
M	89	145	234	1.9440E+01	0.862	2.016	
M	89	146	235	4.9000E+01	0.533	1.402	
M	89	147	236	7.5080E+00	1.007	2.249	
M	89	148	237	1.0530E+01	0.732	1.602	
M	89	149	238	2.8670E+00	1.164	2.532	
M	89	150	239	3.0540E+00	0.959	1.773	0.01
M	89	151	240	1.1350E+00	1.347	2.817	0.07
M	89	152	241	1.3390E+00	1.148	1.898	1.40
M	89	153	242	6.8410E-01	1.463	2.974	0.90
M	89	154	243	7.0360E-01	1.319	2.007	3.69
M	89	155	244	3.9610E-01	1.607	3.144	3.22
M	89	156	245	4.0620E-01	1.483	2.110	8.88
M	89	157	246	2.3560E-01	1.762	3.308	7.18
M	89	158	247	2.3910E-01	1.658	2.220	15.81
M	89	159	248	1.4820E-01	1.915	3.457	12.96
M	89	160	249	1.7960E-01	1.757	2.283	21.65
M	89	161	250	1.6870E-01	1.861	3.410	15.71
M	89	162	251	1.7120E-01	1.768	2.290	17.62
M	89	163	252	1.2760E-01	1.956	3.499	11.65
M	89	164	253	1.3250E-01	1.861	2.350	16.26
M	89	165	254	5.8920E-02	2.262	3.766	15.90
M	89	166	255	5.7060E-02	2.216	2.579	38.04
M	89	167	256	4.1010E-02	2.419	3.896	33.01
M	89	168	257	3.6240E-02	2.427	2.719	41.59
M	89	169	258	2.7000E-02	2.615	4.055	44.37
M	89	170	259	2.5370E-02	2.603	2.838	58.05
M	89	171	260	2.0100E-02	2.761	4.172	53.72
M	89	172	261	1.9080E-02	2.750	2.939	66.30
M	89	173	262	1.5620E-02	2.891	4.275	60.61
M	89	174	263	1.4760E-02	2.887	3.036	72.38
M	89	175	264	1.1550E-02	3.056	4.405	66.75
M	89	176	265	1.0800E-02	3.065	3.161	77.87
M	89	177	266	8.8920E-03	3.206	4.523	68.68
M	89	178	267	8.1060E-03	3.237	3.284	94.13
M	89	179	268	6.2500E-03	3.423	4.693	88.20
M	89	180	269	5.3800E-03	3.501	3.475	95.06
M	89	181	270	4.2180E-03	3.684	4.896	90.12
M	89	182	271	4.0970E-03	3.683	3.610	96.03
M	89	183	272	3.5110E-03	3.805	4.992	91.27
M	89	184	273	3.3040E-03	3.831	3.722	96.34
M	89	186	275	1.7070E-03	4.346	4.110	100.00
M	89	188	277	1.5310E-03	4.426	4.174	100.00
M	89	190	279	1.5000E-03	4.430	4.181	100.00
M	89	191	280	1.3710E-03	4.508	5.552	98.15
M	89	192	281	1.3520E-03	4.507	4.244	98.66
M	89	193	282	1.2280E-03	4.590	5.620	96.31

M	89	194	283	1.1610E-03	4.628	4.341	98.40
M	89	195	284	1.0290E-03	4.735	5.738	96.24
M	89	196	285	9.6130E-04	4.786	4.467	98.83
M	89	198	287	7.8910E-04	4.958	4.605	98.84
M	89	200	289	6.5600E-04	5.123	4.739	100.00
P	90	114	204	9.9810E-01			
P	90	115	205	1.0250E+00			
P	90	116	206	1.4650E+00			
P	90	117	207	1.5490E+00			
P	90	118	208	2.0850E+00			
P	90	119	209	2.2240E+00			
P	90	120	210	3.0550E+00			
P	90	121	211	3.2980E+00			
P	90	122	212	5.1150E+00			
P	90	123	213	5.5520E+00			
P	90	124	214	8.0400E+00			
P	90	125	215	1.1230E+01			
P	90	126	216	2.2470E+02			
P	90	127	217	2.3430E+02			
P	90	128	218	5.5640E+02			
P	90	129	219	4.0310E+02			
P	90	130	220	2.3810E+03			
P	90	131	221	1.2560E+03			
P	90	132	222	1.0380E+04			
P	90	133	223	5.0230E+03			
P	90	135	225	6.5990E+05			
M	90	143	233	2.4320E+06	0.024	1.000	
M	90	145	235	2.2090E+03	0.247	1.020	
M	90	146	236	3.5870E+04	0.055	0.253	
M	90	147	237	2.2950E+02	0.381	1.239	
M	90	148	238	2.6550E+02	0.267	0.286	
M	90	149	239	3.5430E+01	0.546	1.459	
M	90	150	240	3.3020E+01	0.482	0.361	
M	90	151	241	7.0840E+00	0.780	1.646	
M	90	152	242	5.7550E+00	0.767	0.470	
M	90	153	243	2.8050E+00	0.960	1.765	
M	90	154	244	2.4900E+00	0.944	0.547	
M	90	155	245	1.3010E+00	1.139	1.877	
M	90	156	246	1.3680E+00	1.089	0.615	
M	90	157	247	7.5240E-01	1.283	1.966	0.01
M	90	158	248	7.3650E-01	1.257	0.698	0.02
M	90	159	249	4.2590E-01	1.451	2.069	0.18
M	90	160	250	3.8590E-01	1.455	0.801	0.36
M	90	161	251	3.6100E-01	1.499	2.098	0.57
M	90	162	252	6.2920E-01	1.294	0.718	0.22
M	90	163	253	3.4720E-01	1.506	2.102	0.04
M	90	164	254	3.5390E-01	1.473	0.812	0.08
M	90	165	255	1.3460E-01	1.843	2.314	0.90
M	90	166	256	1.3080E-01	1.834	1.015	3.45
M	90	167	257	9.2110E-02	1.992	2.409	5.50
M	90	168	258	8.0810E-02	2.030	1.132	6.79
M	90	169	259	5.4030E-02	2.221	2.559	10.32
M	90	170	260	4.8880E-02	2.253	1.270	13.02
M	90	171	261	3.5620E-02	2.414	2.688	17.15

M	90	172	262	3.4310E-02	2.419	1.378	19.58
M	90	173	263	2.7100E-02	2.545	2.778	23.51
M	90	174	264	2.6380E-02	2.547	1.463	24.49
M	90	175	265	2.1250E-02	2.666	2.862	28.43
M	90	176	266	1.9920E-02	2.691	1.560	29.27
M	90	177	267	1.5450E-02	2.836	2.980	33.72
M	90	178	268	1.4100E-02	2.879	1.689	34.94
M	90	179	269	1.1270E-02	3.013	3.106	40.46
M	90	180	270	1.0300E-02	3.059	1.816	38.57
M	90	181	271	7.7560E-03	3.237	3.269	48.17
M	90	182	272	6.8780E-03	3.309	1.993	48.85
M	90	183	273	5.4890E-03	3.457	3.431	50.28
M	90	184	274	5.1210E-03	3.499	2.133	56.38
M	90	186	276	2.5090E-03	4.016	2.518	89.87
M	90	188	278	2.2450E-03	4.093	2.579	90.46
M	90	190	280	2.2050E-03	4.095	2.585	87.17
M	90	191	281	2.0360E-03	4.152	3.962	84.05
M	90	192	282	1.9790E-03	4.170	2.647	78.40
M	90	193	283	1.7400E-03	4.268	4.054	83.36
M	90	194	284	1.6520E-03	4.307	2.755	82.72
M	90	195	285	1.4510E-03	4.408	4.166	83.21
M	90	196	286	1.3760E-03	4.450	2.871	85.62
M	90	197	287	1.2200E-03	4.546	4.277	89.45
M	90	198	288	1.1530E-03	4.592	2.985	88.66
M	90	200	290	9.3050E-04	4.773	3.132	90.90
P	91	117	208	8.3250E-01			
P	91	118	209	1.1040E+00			
P	91	119	210	1.1830E+00			
P	91	120	211	1.6500E+00			
P	91	121	212	1.6450E+00			
P	91	122	213	2.3330E+00			
P	91	123	214	2.4380E+00			
P	91	124	215	3.7070E+00			
P	91	125	216	4.7700E+00			
P	91	126	217	5.0570E+01			
P	91	127	218	4.6860E+01			
P	91	128	219	8.8300E+01			
P	91	129	220	7.0230E+01			
P	91	130	221	1.5680E+02			
P	91	131	222	1.3510E+02			
P	91	132	223	2.5100E+02			
P	91	133	224	2.3050E+02			
P	91	134	225	8.3830E+02			
P	91	135	226	5.3960E+02			
P	91	136	227	5.6040E+03			
P	91	137	228	2.7810E+03			
M	91	143	234	5.9870E+03	0.158	1.761	
M	91	145	236	3.1880E+02	0.400	1.798	
M	91	146	237	3.0490E+03	0.212	1.009	
M	91	147	238	6.7230E+01	0.632	1.846	
M	91	148	239	2.2250E+02	0.394	1.193	
M	91	149	240	2.0080E+01	0.832	1.996	
M	91	150	241	3.2260E+01	0.559	1.448	
M	91	151	242	6.7730E+00	0.994	2.262	

M	91	152	243	7.1770E+00	0.769	1.642	
M	91	153	244	2.5900E+00	1.148	2.546	
M	91	154	245	2.7740E+00	0.947	1.772	0.04
M	91	155	246	1.1770E+00	1.299	2.787	0.11
M	91	156	247	1.2010E+00	1.139	1.899	1.08
M	91	157	248	6.1520E-01	1.447	2.987	1.14
M	91	158	249	7.0490E-01	1.278	1.988	4.42
M	91	159	250	3.8590E-01	1.568	3.130	3.22
M	91	160	251	3.8120E-01	1.458	2.102	9.03
M	91	161	252	2.3280E-01	1.715	3.288	8.13
M	91	162	253	5.7520E-01	1.326	2.019	9.96
M	91	163	254	4.5360E-01	1.510	3.073	2.13
M	91	164	255	4.0330E-01	1.429	2.085	2.45
M	91	165	256	1.2860E-01	1.906	3.474	4.74
M	91	166	257	1.3020E-01	1.822	2.334	22.34
M	91	167	258	9.2580E-02	2.023	3.582	19.18
M	91	168	259	9.2070E-02	1.955	2.420	29.45
M	91	169	260	5.9970E-02	2.194	3.730	25.77
M	91	170	261	5.2400E-02	2.195	2.578	33.11
M	91	171	262	3.3580E-02	2.449	3.942	35.40
M	91	172	263	3.2950E-02	2.410	2.722	48.75
M	91	173	264	2.5870E-02	2.569	4.040	48.82
M	91	174	265	2.5310E-02	2.536	2.809	55.24
M	91	175	266	1.9910E-02	2.696	4.142	53.96
M	91	176	267	1.9190E-02	2.676	2.906	65.40
M	91	177	268	1.5190E-02	2.834	4.252	54.42
M	91	178	269	1.4010E-02	2.845	3.024	70.49
M	91	179	270	1.0600E-02	3.032	4.408	60.10
M	91	180	271	9.3120E-03	3.080	3.191	70.75
M	91	181	272	7.2640E-03	3.254	4.584	71.58
M	91	182	273	6.9950E-03	3.253	3.316	94.42
M	91	183	274	5.6960E-03	3.402	4.701	88.60
M	91	184	275	5.1830E-03	3.443	3.456	95.06
M	91	185	276	2.4890E-03	3.985	5.158	91.50
M	91	186	277	2.4650E-03	3.976	3.854	98.53
M	91	187	278	2.2290E-03	4.059	5.219	97.87
M	91	188	279	2.2000E-03	4.054	3.916	98.67
M	91	189	280	2.1600E-03	4.072	5.231	97.91
M	91	190	281	2.1380E-03	4.065	3.927	98.17
M	91	191	282	2.1030E-03	4.081	5.240	95.31
M	91	192	283	1.9550E-03	4.124	3.975	97.50
M	91	193	284	1.6830E-03	4.248	5.375	94.66
M	91	194	285	1.5990E-03	4.277	4.095	97.99
M	91	195	286	1.4130E-03	4.382	5.483	95.46
M	91	196	287	1.3460E-03	4.411	4.201	98.30
M	91	197	288	1.1880E-03	4.518	5.595	95.59
M	91	198	289	1.1290E-03	4.551	4.314	98.37
M	91	199	290	1.0250E-03	4.635	5.691	96.74
M	91	200	291	9.5690E-04	4.687	4.423	98.75
P	92	117	209	6.9190E-01			
P	92	118	210	9.3070E-01			
P	92	119	211	9.7750E-01			
P	92	120	212	1.3670E+00			
P	92	121	213	1.3610E+00			

P	92	122	214	1.7760E+00			
P	92	123	215	1.7630E+00			
P	92	124	216	2.7770E+00			
P	92	125	217	3.4720E+00			
P	92	126	218	3.4620E+01			
P	92	127	219	3.2940E+01			
P	92	128	220	4.7800E+01			
P	92	129	221	5.0640E+01			
P	92	130	222	8.0770E+01			
P	92	131	223	9.6760E+01			
P	92	132	224	1.4450E+02			
P	92	133	225	1.8250E+02			
P	92	134	226	5.4730E+02			
P	92	135	227	8.7040E+02			
P	92	136	228	8.6400E+03			
P	92	137	229	6.1600E+03			
M	92	147	239	1.5060E+06	0.027	1.000	
M	92	149	241	2.7340E+03	0.224	1.013	
M	92	150	242	1.1440E+04	0.077	0.255	
M	92	151	243	1.8220E+02	0.383	1.259	
M	92	152	244	1.5990E+02	0.298	0.294	
M	92	153	245	2.9240E+01	0.549	1.471	
M	92	154	246	2.2570E+01	0.515	0.374	
M	92	155	247	7.5400E+00	0.742	1.626	
M	92	156	248	7.2670E+00	0.696	0.445	
M	92	157	249	2.7900E+00	0.929	1.751	
M	92	158	250	2.7850E+00	0.887	0.526	
M	92	159	251	1.4010E+00	1.084	1.849	
M	92	160	252	1.3540E+00	1.056	0.605	
M	92	161	253	6.9470E-01	1.266	1.962	0.01
M	92	162	254	1.2040E+00	1.082	0.618	0.00
M	92	163	255	2.8260E+00	0.914	1.742	
M	92	164	256	4.3800E+00	0.780	0.481	
M	92	165	257	8.1150E-01	1.212	1.928	
M	92	166	258	6.5810E-01	1.240	0.698	0.02
M	92	167	259	3.6220E-01	1.447	2.073	0.25
M	92	168	260	3.4720E-01	1.434	0.801	0.51
M	92	169	261	2.3700E-01	1.583	2.158	1.30
M	92	170	262	2.3610E-01	1.560	0.871	1.67
M	92	171	263	1.3530E-01	1.782	2.285	3.84
M	92	172	264	1.0860E-01	1.849	1.039	5.46
M	92	173	265	6.9730E-02	2.047	2.457	9.01
M	92	174	266	6.3520E-02	2.071	1.174	11.05
M	92	175	267	4.8470E-02	2.203	2.561	15.09
M	92	176	268	4.5700E-02	2.215	1.266	15.51
M	92	177	269	3.5720E-02	2.340	2.654	16.60
M	92	178	270	3.4540E-02	2.343	1.349	17.06
M	92	179	271	2.7690E-02	2.459	2.736	23.69
M	92	180	272	2.6620E-02	2.467	1.432	21.57
M	92	181	273	1.9970E-02	2.622	2.850	29.98
M	92	182	274	1.7860E-02	2.672	1.571	28.42
M	92	183	275	1.4150E-02	2.805	2.979	37.65
M	92	184	276	1.3760E-02	2.811	1.668	40.33
M	92	185	277	5.8420E-03	3.342	3.370	48.01
M	92	186	278	5.2240E-03	3.411	2.095	74.10

M	92	187	279	3.9920E-03	3.595	3.559	79.27
M	92	188	280	3.6700E-03	3.649	2.273	80.94
M	92	189	281	3.4060E-03	3.698	3.639	82.01
M	92	190	282	3.2790E-03	3.720	2.330	77.18
M	92	191	283	3.3690E-03	3.695	3.639	78.28
M	92	192	284	3.1170E-03	3.747	2.353	64.95
M	92	193	285	2.6190E-03	3.872	3.776	73.47
M	92	194	286	2.4100E-03	3.931	2.496	73.45
M	92	195	287	2.0680E-03	4.044	3.911	78.47
M	92	196	288	1.9640E-03	4.080	2.614	75.17
M	92	197	289	1.7140E-03	4.184	4.022	78.81
M	92	198	290	1.6050E-03	4.233	2.736	82.04
M	92	199	291	1.4300E-03	4.322	4.133	82.64
M	92	200	292	1.3560E-03	4.363	2.841	84.79
P	93	121	214	7.5840E-01			
P	93	122	215	9.7200E-01			
P	93	123	216	8.6230E-01			
P	93	124	217	1.3070E+00			
P	93	125	218	1.5340E+00			
P	93	126	219	1.0790E+01			
P	93	127	220	1.1430E+01			
P	93	128	221	1.6520E+01			
P	93	129	222	1.6030E+01			
P	93	130	223	2.4010E+01			
P	93	131	224	2.5940E+01			
P	93	132	225	3.4590E+01			
P	93	133	226	3.8610E+01			
P	93	134	227	8.1600E+01			
P	93	135	228	9.0420E+01			
P	93	136	229	2.0110E+02			
P	93	137	230	1.4750E+02			
P	93	138	231	1.0860E+03			
P	93	139	232	5.6610E+02			
P	93	140	233	4.3830E+04			
P	93	141	234	6.5380E+03			
M	93	147	240	5.5550E+03	0.156	1.759	
M	93	148	241	4.4660E+06	0.018	1.000	
M	93	149	242	3.1360E+02	0.387	1.795	
M	93	150	243	2.1570E+03	0.228	1.011	
M	93	151	244	5.5500E+01	0.642	1.853	
M	93	152	245	1.3730E+02	0.413	1.248	
M	93	153	246	1.4520E+01	0.855	2.053	
M	93	154	247	2.7660E+01	0.557	1.457	
M	93	155	248	6.1110E+00	0.979	2.277	
M	93	156	249	7.2360E+00	0.741	1.627	
M	93	157	250	2.6570E+00	1.108	2.522	
M	93	158	251	3.0090E+00	0.898	1.745	0.03
M	93	159	252	1.1700E+00	1.261	2.770	0.08
M	93	160	253	1.3450E+00	1.074	1.863	1.09
M	93	161	254	6.8270E-01	1.378	2.934	0.99
M	93	162	255	6.7570E-01	1.249	1.977	4.16
M	93	163	256	8.7890E-01	1.313	2.854	1.15
M	93	164	257	4.0760E+00	0.828	1.696	0.59
M	93	165	258	8.1080E-01	1.326	2.877	0.03

M	93	166	259	8.2800E-01	1.184	1.935	2.84
M	93	167	260	3.9910E-01	1.500	3.092	2.79
M	93	168	261	3.4530E-01	1.434	2.095	8.51
M	93	169	262	1.9170E-01	1.714	3.319	8.56
M	93	170	263	1.8590E-01	1.637	2.225	18.64
M	93	171	264	1.2140E-01	1.865	3.463	16.28
M	93	172	265	1.1490E-01	1.810	2.338	27.17
M	93	173	266	7.4260E-02	2.045	3.625	24.30
M	93	174	267	6.4050E-02	2.045	2.491	37.07
M	93	175	268	4.4620E-02	2.253	3.803	33.84
M	93	176	269	4.2670E-02	2.221	2.609	48.32
M	93	177	270	3.3020E-02	2.383	3.911	43.35
M	93	178	271	3.2400E-02	2.345	2.694	50.04
M	93	179	272	2.5560E-02	2.498	4.006	50.04
M	93	180	273	2.4760E-02	2.472	2.782	62.43
M	93	181	274	1.9570E-02	2.625	4.110	51.85
M	93	182	275	1.8180E-02	2.626	2.890	63.55
M	93	183	276	1.4030E-02	2.795	4.246	66.12
M	93	184	277	1.3240E-02	2.794	3.009	79.35
M	93	185	278	6.0280E-03	3.292	4.638	88.15
M	93	186	279	6.1790E-03	3.252	3.339	97.11
M	93	187	280	4.9270E-03	3.414	4.736	91.72
M	93	188	281	4.2060E-03	3.501	3.524	96.82
M	93	189	282	3.6220E-03	3.616	4.896	92.30
M	93	190	283	3.3800E-03	3.647	3.635	96.97
M	93	191	284	3.3650E-03	3.657	4.931	92.23
M	93	192	285	3.1770E-03	3.681	3.663	96.61
M	93	193	286	2.7050E-03	3.806	5.050	92.63
M	93	194	287	2.5140E-03	3.844	3.789	97.08
M	93	195	288	2.1190E-03	3.980	5.190	93.22
M	93	196	289	1.9770E-03	4.020	3.926	97.44
M	93	197	290	1.7070E-03	4.139	5.319	94.08
M	93	198	291	1.6050E-03	4.176	4.049	97.81
M	93	199	292	1.4110E-03	4.283	5.437	94.83
M	93	200	293	1.3390E-03	4.314	4.160	98.12
P	94	121	215	6.2640E-01			
P	94	122	216	7.9660E-01			
P	94	123	217	7.3390E-01			
P	94	124	218	9.8530E-01			
P	94	125	219	1.2230E+00			
P	94	126	220	6.8940E+00			
P	94	127	221	7.1130E+00			
P	94	128	222	1.0450E+01			
P	94	129	223	1.1570E+01			
P	94	130	224	1.6050E+01			
P	94	131	225	1.9450E+01			
P	94	132	226	2.5490E+01			
P	94	133	227	2.8900E+01			
P	94	134	228	5.1370E+01			
P	94	135	229	6.3780E+01			
P	94	136	230	1.6640E+02			
P	94	137	231	1.6780E+02			
P	94	138	232	9.1430E+02			
P	94	139	233	8.4030E+02			

P	94	140	234	3.6020E+07			
P	94	141	235	2.0840E+04			
M	94	151	245	1.6670E+05	0.054	1.001	
M	94	153	247	1.0680E+03	0.273	1.059	
M	94	154	248	2.8960E+03	0.116	0.260	
M	94	155	249	9.5060E+01	0.418	1.325	
M	94	156	250	1.0800E+02	0.317	0.311	
M	94	157	251	2.5260E+01	0.547	1.477	
M	94	158	252	2.5530E+01	0.479	0.363	
M	94	159	253	7.8190E+00	0.711	1.608	
M	94	160	254	6.9510E+00	0.678	0.441	
M	94	161	255	3.0880E+00	0.877	1.723	
M	94	162	256	2.8040E+00	0.854	0.516	
M	94	163	257	1.4280E+00	1.044	1.829	
M	94	164	258	7.3830E+00	0.661	0.435	
M	94	165	259	3.7830E+00	0.829	1.692	
M	94	166	260	3.6360E+00	0.793	0.490	
M	94	167	261	1.7600E+00	0.986	1.793	
M	94	168	262	1.4710E+00	0.991	0.581	
M	94	169	263	6.3700E-01	1.240	1.952	0.00
M	94	170	264	4.8020E-01	1.293	0.734	0.04
M	94	171	265	2.7510E-01	1.491	2.109	0.46
M	94	172	266	2.5810E-01	1.488	0.840	0.87
M	94	173	267	1.7630E-01	1.639	2.203	2.02
M	94	174	268	1.6330E-01	1.645	0.931	2.52
M	94	175	269	1.0800E-01	1.817	2.319	4.81
M	94	176	270	9.4140E-02	1.853	1.054	5.89
M	94	177	271	6.6850E-02	2.007	2.444	9.30
M	94	178	272	6.3160E-02	2.015	1.155	10.78
M	94	179	273	5.0020E-02	2.127	2.525	14.80
M	94	180	274	4.6420E-02	2.146	1.240	14.74
M	94	181	275	3.6630E-02	2.264	2.618	16.41
M	94	182	276	3.3440E-02	2.294	1.337	20.51
M	94	183	277	2.5270E-02	2.439	2.739	22.72
M	94	184	278	2.3280E-02	2.468	1.454	28.08
M	94	185	279	9.8660E-03	2.950	3.103	39.90
M	94	186	280	1.0160E-02	2.923	1.768	60.70
M	94	187	281	9.5260E-03	2.962	3.114	65.03
M	94	188	282	8.6520E-03	3.011	1.833	54.81
M	94	189	283	7.3940E-03	3.108	3.222	62.69
M	94	190	284	6.5390E-03	3.178	1.956	57.60
M	94	191	285	5.4260E-03	3.298	3.364	57.26
M	94	192	286	5.0510E-03	3.339	2.076	57.31
M	94	193	287	4.2730E-03	3.449	3.480	62.87
M	94	194	288	3.9640E-03	3.495	2.194	58.74
M	94	195	289	3.4060E-03	3.598	3.595	64.38
M	94	196	290	3.1320E-03	3.653	2.316	63.78
M	94	197	291	2.6550E-03	3.770	3.729	68.92
M	94	198	292	2.4720E-03	3.818	2.445	72.52
M	94	199	293	2.1120E-03	3.932	3.858	73.68
M	94	200	294	1.9740E-03	3.980	2.573	73.94
P	95	125	220	6.7780E-01			
P	95	126	221	3.2890E+00			
P	95	127	222	3.0770E+00			

P	95	128	223	4.0920E+00			
P	95	129	224	4.3030E+00			
P	95	130	225	6.5440E+00			
P	95	131	226	6.9130E+00			
P	95	132	227	9.7970E+00			
P	95	133	228	1.0420E+01			
P	95	134	229	1.7090E+01			
P	95	135	230	1.4890E+01			
P	95	136	231	3.1770E+01			
P	95	137	232	3.0880E+01			
P	95	138	233	8.1960E+01			
P	95	139	234	7.1530E+01			
P	95	140	235	2.6660E+02			
P	95	141	236	2.1630E+02			
P	95	142	237	2.3950E+03			
P	95	143	238	9.0420E+02			
P	95	145	240	1.7320E+04			
M	95	151	246	2.7580E+03	0.188	1.762	
M	95	152	247	6.8350E+05	0.032	1.000	
M	95	153	248	1.8810E+02	0.435	1.804	
M	95	154	249	2.6460E+03	0.205	1.009	
M	95	155	250	4.3900E+01	0.659	1.866	
M	95	156	251	8.6290E+01	0.434	1.299	
M	95	157	252	1.2640E+01	0.848	2.073	
M	95	158	253	2.1140E+01	0.568	1.481	
M	95	159	254	5.4310E+00	0.966	2.295	
M	95	160	255	7.0120E+00	0.720	1.618	
M	95	161	256	2.5120E+00	1.084	2.522	
M	95	162	257	3.0080E+00	0.867	1.730	0.06
M	95	163	258	1.1950E+00	1.218	2.745	0.09
M	95	164	259	2.1860E+00	0.929	1.773	0.50
M	95	165	260	1.6830E+00	1.146	2.640	0.06
M	95	166	261	3.4540E+00	0.833	1.707	0.21
M	95	167	262	1.4900E+00	1.164	2.675	0.01
M	95	168	263	1.6870E+00	0.978	1.807	0.33
M	95	169	264	7.5900E-01	1.300	2.877	0.34
M	95	170	265	6.9620E-01	1.191	1.947	2.77
M	95	171	266	3.0370E-01	1.530	3.153	3.03
M	95	172	267	2.5850E-01	1.481	2.134	10.45
M	95	173	268	1.5790E-01	1.727	3.355	10.50
M	95	174	269	1.5490E-01	1.651	2.244	20.97
M	95	175	270	1.0950E-01	1.847	3.471	18.27
M	95	176	271	1.0270E-01	1.800	2.342	23.86
M	95	177	272	6.9790E-02	2.011	3.619	25.87
M	95	178	273	6.2130E-02	1.999	2.474	38.99
M	95	179	274	4.7020E-02	2.167	3.754	35.47
M	95	180	275	4.4800E-02	2.135	2.566	48.40
M	95	181	276	3.4800E-02	2.293	3.860	39.10
M	95	182	277	3.2600E-02	2.276	2.663	56.29
M	95	183	278	2.4280E-02	2.455	3.994	51.58
M	95	184	279	2.2660E-02	2.449	2.783	65.98
M	95	185	280	9.5890E-03	2.944	4.387	65.86
M	95	186	281	9.9200E-03	2.895	3.100	95.77
M	95	187	282	9.2650E-03	2.955	4.397	88.64
M	95	188	283	8.9760E-03	2.946	3.138	95.25

M	95	189	284	8.3550E-03	3.007	4.439	88.88
M	95	190	285	7.3770E-03	3.056	3.220	94.42
M	95	191	286	5.9730E-03	3.204	4.597	88.71
M	95	192	287	5.1880E-03	3.272	3.381	95.09
M	95	193	288	4.2810E-03	3.412	4.764	90.27
M	95	194	289	3.9140E-03	3.453	3.517	95.99
M	95	195	290	3.3560E-03	3.569	4.890	91.33
M	95	196	291	3.1750E-03	3.590	3.623	96.58
M	95	197	292	2.7260E-03	3.707	5.002	92.26
M	95	198	293	2.5590E-03	3.737	3.738	97.01
M	95	199	294	2.1800E-03	3.862	5.128	93.13
M	95	200	295	2.0350E-03	3.900	3.866	97.39
P	96	125	221	5.5640E-01			
P	96	126	222	2.4640E+00			
P	96	127	223	2.3900E+00			
P	96	128	224	3.0210E+00			
P	96	129	225	2.8940E+00			
P	96	130	226	4.0460E+00			
P	96	131	227	4.8280E+00			
P	96	132	228	6.9210E+00			
P	96	133	229	7.3040E+00			
P	96	134	230	1.3340E+01			
P	96	135	231	1.3350E+01			
P	96	136	232	2.6670E+01			
P	96	137	233	2.6710E+01			
P	96	138	234	6.5710E+01			
P	96	139	235	6.7920E+01			
P	96	140	236	2.2840E+02			
P	96	141	237	2.3810E+02			
P	96	142	238	1.9430E+03			
P	96	143	239	1.7920E+03			
P	96	145	241	9.9900E+05			
M	96	155	251	3.4690E+05	0.041	1.000	
M	96	157	253	1.4110E+03	0.248	1.034	
M	96	158	254	2.5750E+03	0.115	0.260	
M	96	159	255	9.9790E+01	0.399	1.311	
M	96	160	256	1.1670E+02	0.301	0.296	
M	96	161	257	2.0780E+01	0.550	1.488	
M	96	162	258	2.1910E+01	0.480	0.365	
M	96	163	259	7.4300E+00	0.693	1.601	
M	96	164	260	7.3960E+00	0.642	0.429	
M	96	165	261	3.6930E+00	0.812	1.685	
M	96	166	262	8.0120E+00	0.626	0.421	
M	96	167	263	6.2010E+00	0.717	1.619	
M	96	168	264	1.0070E+01	0.586	0.406	
M	96	169	265	3.5060E+00	0.815	1.688	
M	96	170	266	3.5120E+00	0.771	0.485	
M	96	171	267	1.4250E+00	1.001	1.808	
M	96	172	268	1.1310E+00	1.021	0.602	
M	96	173	269	5.0030E-01	1.267	1.976	0.01
M	96	174	270	4.0350E-01	1.303	0.748	0.11
M	96	175	271	2.6930E-01	1.451	2.093	0.68
M	96	176	272	2.4450E-01	1.459	0.835	0.92
M	96	177	273	1.6700E-01	1.608	2.194	2.29

M	96	178	274	1.5060E-01	1.623	0.930	2.95
M	96	179	275	1.0600E-01	1.770	2.300	5.37
M	96	180	276	9.3760E-02	1.798	1.036	6.25
M	96	181	277	7.0830E-02	1.924	2.402	9.83
M	96	182	278	6.5420E-02	1.940	1.125	10.36
M	96	183	279	4.6760E-02	2.096	2.519	14.38
M	96	184	280	4.2920E-02	2.119	1.240	16.38
M	96	185	281	1.6550E-02	2.598	2.870	27.80
M	96	186	282	1.7160E-02	2.567	1.541	47.21
M	96	187	283	1.6020E-02	2.607	2.878	51.67
M	96	188	284	1.5440E-02	2.616	1.576	45.34
M	96	189	285	1.4110E-02	2.668	2.922	35.40
M	96	190	286	1.2840E-02	2.710	1.644	32.49
M	96	191	287	1.0890E-02	2.805	3.023	37.63
M	96	192	288	9.7140E-03	2.863	1.754	37.56
M	96	193	289	7.8050E-03	2.994	3.163	47.86
M	96	194	290	6.7840E-03	3.072	1.908	48.00
M	96	195	291	5.4820E-03	3.207	3.323	51.36
M	96	196	292	5.0350E-03	3.255	2.045	56.26
M	96	197	293	4.2700E-03	3.362	3.443	58.32
M	96	198	294	4.0220E-03	3.396	2.153	58.50
M	96	199	295	3.4530E-03	3.499	3.549	63.36
M	96	200	296	3.2220E-03	3.541	2.266	66.87

P	97	129	226	1.4920E+00			
P	97	130	227	1.8260E+00			
P	97	131	228	2.0270E+00			
P	97	132	229	3.2530E+00			
P	97	133	230	2.7140E+00			
P	97	134	231	4.7930E+00			
P	97	135	232	4.8100E+00			
P	97	136	233	8.6910E+00			
P	97	137	234	8.2260E+00			
P	97	138	235	1.5610E+01			
P	97	139	236	1.5460E+01			
P	97	140	237	3.4780E+01			
P	97	141	238	3.4140E+01			
P	97	142	239	9.0760E+01			
P	97	143	240	8.0200E+01			
P	97	144	241	3.7480E+02			
P	97	145	242	2.7770E+02			
P	97	146	243	5.2840E+03			
P	97	147	244	1.3170E+03			
P	97	149	246	3.1490E+04			
M	97	155	252	1.4550E+03	0.222	1.765	
M	97	156	253	1.3810E+05	0.052	1.001	
M	97	157	254	2.2170E+02	0.397	1.798	
M	97	158	255	1.4020E+03	0.241	1.015	
M	97	159	256	3.9730E+01	0.652	1.868	
M	97	160	257	9.7940E+01	0.408	1.275	
M	97	161	258	1.2770E+01	0.821	2.056	
M	97	162	259	1.9970E+01	0.553	1.477	
M	97	163	260	5.1630E+00	0.943	2.293	
M	97	164	261	7.1260E+00	0.691	1.603	
M	97	165	262	2.6260E+00	1.042	2.490	

M	97	166	263	4.5340E+00	0.762	1.660	0.01
M	97	167	264	2.1120E+00	1.074	2.555	0.00
M	97	168	265	5.3690E+00	0.730	1.635	0.00
M	97	169	266	2.7090E+00	1.029	2.479	
M	97	170	267	3.4010E+00	0.807	1.694	0.00
M	97	171	268	1.2230E+00	1.165	2.715	0.01
M	97	172	269	1.3850E+00	0.987	1.820	0.58
M	97	173	270	6.0670E-01	1.311	2.923	0.69
M	97	174	271	5.0540E-01	1.238	1.985	4.54
M	97	175	272	2.7990E-01	1.506	3.155	4.85
M	97	176	273	2.3740E-01	1.461	2.130	11.77
M	97	177	274	1.5840E-01	1.673	3.329	12.59
M	97	178	275	1.4870E-01	1.615	2.231	22.07
M	97	179	276	1.0130E-01	1.819	3.469	19.20
M	97	180	277	9.3550E-02	1.781	2.341	31.65
M	97	181	278	6.9150E-02	1.955	3.593	28.44
M	97	182	279	6.4340E-02	1.924	2.437	33.56
M	97	183	280	4.4930E-02	2.124	3.740	35.28
M	97	184	281	4.1990E-02	2.102	2.558	50.10
M	97	185	282	1.6010E-02	2.602	4.136	52.03
M	97	186	283	1.6600E-02	2.547	2.869	93.96
M	97	187	284	1.5400E-02	2.614	4.147	85.80
M	97	188	285	1.8070E-02	2.495	2.833	93.06
M	97	189	286	1.4150E-02	2.650	4.177	60.71
M	97	190	287	1.3070E-02	2.661	2.953	73.26
M	97	191	288	1.0800E-02	2.789	4.290	68.15
M	97	192	289	9.8650E-03	2.811	3.063	78.40
M	97	193	290	8.1500E-03	2.941	4.413	73.81
M	97	194	291	7.4750E-03	2.967	3.178	94.40
M	97	195	292	6.1000E-03	3.107	4.548	88.61
M	97	196	293	5.3940E-03	3.162	3.325	95.17
M	97	197	294	4.3730E-03	3.309	4.711	90.17
M	97	198	295	4.0330E-03	3.344	3.463	95.82
M	97	199	296	3.4220E-03	3.464	4.837	91.51
M	97	200	297	3.2610E-03	3.480	3.569	96.56
P	98	129	227	1.1830E+00			
P	98	130	228	1.6870E+00			
P	98	131	229	1.8540E+00			
P	98	132	230	2.7700E+00			
P	98	133	231	2.2660E+00			
P	98	134	232	3.7600E+00			
P	98	135	233	3.8420E+00			
P	98	136	234	6.9520E+00			
P	98	137	235	7.1490E+00			
P	98	138	236	1.3080E+01			
P	98	139	237	1.3230E+01			
P	98	140	238	2.7240E+01			
P	98	141	239	2.8060E+01			
P	98	142	240	7.4970E+01			
P	98	143	241	7.4030E+01			
P	98	144	242	3.1090E+02			
P	98	145	243	2.9570E+02			
P	98	146	244	4.9630E+03			
P	98	147	245	3.8080E+03			

M	98	159	257	2.0620E+05	0.047	1.001	
M	98	161	259	8.8550E+02	0.264	1.064	
M	98	162	260	2.0990E+03	0.117	0.260	
M	98	163	261	9.3810E+01	0.389	1.310	
M	98	164	262	1.0930E+02	0.293	0.295	
M	98	165	263	1.9800E+01	0.535	1.482	
M	98	166	264	3.9570E+01	0.389	0.335	
M	98	167	265	1.2140E+01	0.596	1.534	
M	98	168	266	2.0910E+01	0.464	0.362	
M	98	169	267	1.3970E+01	0.574	1.517	
M	98	170	268	2.9800E+01	0.418	0.346	
M	98	171	269	6.8200E+00	0.675	1.595	
M	98	172	270	6.7470E+00	0.627	0.425	
M	98	173	271	2.5660E+00	0.845	1.713	
M	98	174	272	1.9990E+00	0.857	0.528	
M	98	175	273	1.0820E+00	1.030	1.833	
M	98	176	274	8.3100E-01	1.063	0.629	0.00
M	98	177	275	4.4750E-01	1.257	1.977	0.05
M	98	178	276	3.9570E-01	1.265	0.737	0.16
M	98	179	277	2.5240E-01	1.425	2.086	0.79
M	98	180	278	2.2650E-01	1.436	0.833	1.24
M	98	181	279	1.6440E-01	1.563	2.175	2.54
M	98	182	280	1.4570E-01	1.583	0.920	2.70
M	98	183	281	9.6010E-02	1.753	2.301	5.32
M	98	184	282	8.7680E-02	1.769	1.033	6.82
M	98	185	283	2.9580E-02	2.249	2.641	16.32
M	98	186	284	3.0510E-02	2.221	1.324	36.98
M	98	187	285	2.9420E-02	2.244	2.639	32.15
M	98	188	286	3.5000E-02	2.149	1.279	23.07
M	98	189	287	2.6430E-02	2.289	2.671	21.39
M	98	190	288	2.4520E-02	2.312	1.390	23.15
M	98	191	289	1.9390E-02	2.435	2.775	27.37
M	98	192	290	1.8190E-02	2.456	1.490	25.35
M	98	193	291	1.4150E-02	2.592	2.890	33.24
M	98	194	292	1.2960E-02	2.630	1.613	35.41
M	98	195	293	1.0520E-02	2.748	3.005	40.19
M	98	196	294	9.7730E-03	2.781	1.723	41.88
M	98	197	295	7.8520E-03	2.909	3.126	47.29
M	98	198	296	6.8620E-03	2.983	1.872	43.47
M	98	199	297	5.5970E-03	3.108	3.278	51.03
M	98	200	298	5.1540E-03	3.154	2.001	55.54
P	99	131	230	9.0110E-01			
P	99	132	231	1.4010E+00			
P	99	133	232	1.1310E+00			
P	99	134	233	1.7460E+00			
P	99	135	234	1.7060E+00			
P	99	136	235	2.8200E+00			
P	99	137	236	2.8160E+00			
P	99	138	237	4.9500E+00			
P	99	139	238	4.8270E+00			
P	99	140	239	8.7160E+00			
P	99	141	240	8.2130E+00			
P	99	142	241	1.6830E+01			
P	99	143	242	1.6240E+01			

P	99	144	243	3.7430E+01			
P	99	145	244	3.5990E+01			
P	99	146	245	1.0600E+02			
P	99	147	246	9.5950E+01			
P	99	148	247	6.1130E+02			
P	99	149	248	3.3350E+02			
P	99	150	249	1.2900E+04			
P	99	151	250	2.0080E+03			
P	99	153	252	4.4750E+05			
M	99	157	256	3.2030E+07	0.008	1.750	
M	99	159	258	2.4050E+03	0.180	1.761	
M	99	160	259	5.8570E+05	0.031	1.000	
M	99	161	260	2.0290E+02	0.391	1.797	
M	99	162	261	9.1950E+02	0.260	1.027	
M	99	163	262	3.2710E+01	0.659	1.881	
M	99	164	263	8.6650E+01	0.402	1.281	
M	99	165	264	1.0610E+01	0.819	2.087	
M	99	166	265	2.5940E+01	0.504	1.434	
M	99	167	266	7.0210E+00	0.871	2.192	
M	99	168	267	1.4850E+01	0.565	1.500	
M	99	169	268	4.8560E+00	0.918	2.293	
M	99	170	269	1.8480E+01	0.537	1.472	
M	99	171	270	4.7380E+00	0.918	2.300	
M	99	172	271	6.4500E+00	0.674	1.599	
M	99	173	272	1.9760E+00	1.046	2.554	
M	99	174	273	2.0610E+00	0.872	1.748	0.08
M	99	175	274	8.9420E-01	1.189	2.788	0.15
M	99	176	275	8.8510E-01	1.056	1.873	1.68
M	99	177	276	4.2820E-01	1.352	3.006	1.76
M	99	178	277	3.9720E-01	1.263	2.010	7.29
M	99	179	278	2.3670E-01	1.505	3.182	7.12
M	99	180	279	2.2380E-01	1.432	2.121	15.46
M	99	181	280	1.5710E-01	1.624	3.306	12.67
M	99	182	281	1.4460E-01	1.572	2.214	20.64
M	99	183	282	9.2530E-02	1.795	3.472	19.26
M	99	184	283	8.6900E-02	1.753	2.334	32.46
M	99	185	284	2.8860E-02	2.259	3.877	36.56
M	99	186	285	3.0240E-02	2.193	2.637	92.15
M	99	187	286	3.3400E-02	2.187	3.817	80.32
M	99	188	287	3.5680E-02	2.111	2.580	55.21
M	99	189	288	2.6740E-02	2.279	3.896	45.12
M	99	190	289	2.5410E-02	2.262	2.687	57.97
M	99	191	290	1.9760E-02	2.415	4.010	53.03
M	99	192	291	1.8730E-02	2.405	2.789	58.97
M	99	193	292	1.4680E-02	2.556	4.127	60.15
M	99	194	293	1.3570E-02	2.565	2.905	71.33
M	99	195	294	1.1080E-02	2.697	4.243	63.58
M	99	196	295	9.9800E-03	2.726	3.024	72.14
M	99	197	296	8.1930E-03	2.857	4.373	73.01
M	99	198	297	7.5620E-03	2.878	3.138	94.44
M	99	199	298	6.1190E-03	3.020	4.507	88.48
M	99	200	299	5.4070E-03	3.074	3.286	95.17
P	100	131	231	7.8370E-01			
P	100	132	232	1.2250E+00			

P	100	133	233	1.0490E+00			
P	100	134	234	1.4540E+00			
P	100	135	235	1.4340E+00			
P	100	136	236	2.2790E+00			
P	100	137	237	2.2550E+00			
P	100	138	238	3.8160E+00			
P	100	139	239	3.7790E+00			
P	100	140	240	6.9180E+00			
P	100	141	241	6.8200E+00			
P	100	142	242	1.2770E+01			
P	100	143	243	1.3050E+01			
P	100	144	244	2.8730E+01			
P	100	145	245	3.0350E+01			
P	100	146	246	8.2260E+01			
P	100	147	247	8.7040E+01			
P	100	148	248	4.2050E+02			
P	100	149	249	4.8200E+02			
P	100	150	250	1.5340E+05			
P	100	151	251	9.5080E+03			
M	100	163	263	7.9360E+04	0.061	1.001	
M	100	165	265	5.8990E+02	0.274	1.097	
M	100	166	266	1.8850E+03	0.115	0.260	
M	100	167	267	1.2930E+02	0.353	1.266	
M	100	168	268	3.6650E+02	0.193	0.274	
M	100	169	269	4.8420E+01	0.424	1.377	
M	100	170	270	2.5870E+02	0.214	0.278	
M	100	171	271	7.3680E+01	0.389	1.326	
M	100	172	272	1.0570E+02	0.281	0.293	
M	100	173	273	1.4720E+01	0.546	1.500	
M	100	174	274	1.3920E+01	0.496	0.376	
M	100	175	275	4.4960E+00	0.716	1.631	
M	100	176	276	4.1640E+00	0.685	0.454	
M	100	177	277	1.6360E+00	0.905	1.758	
M	100	178	278	1.3730E+00	0.908	0.558	
M	100	179	279	7.1160E-01	1.095	1.881	0.00
M	100	180	280	6.6540E-01	1.082	0.647	0.00
M	100	181	281	4.4210E-01	1.217	1.960	0.07
M	100	182	282	3.7630E-01	1.236	0.730	0.11
M	100	183	283	2.2680E-01	1.411	2.086	0.77
M	100	184	284	2.0860E-01	1.415	0.832	1.25
M	100	185	285	5.8990E-02	1.893	2.410	6.93
M	100	186	286	6.1280E-02	1.861	1.105	21.71
M	100	187	287	7.9620E-02	1.768	2.325	18.29
M	100	188	288	7.7280E-02	1.761	1.044	7.40
M	100	189	289	5.6150E-02	1.901	2.416	10.07
M	100	190	290	5.0830E-02	1.927	1.151	11.09
M	100	191	291	3.8320E-02	2.058	2.526	14.98
M	100	192	292	3.5700E-02	2.075	1.249	13.78
M	100	193	293	2.7480E-02	2.202	2.628	20.26
M	100	194	294	2.4350E-02	2.247	1.367	22.14
M	100	195	295	1.9500E-02	2.361	2.743	26.75
M	100	196	296	1.8580E-02	2.373	1.456	28.07
M	100	197	297	1.4190E-02	2.516	2.857	32.74
M	100	198	298	1.3280E-02	2.541	1.576	35.04
M	100	199	299	1.0830E-02	2.654	2.960	39.47

M	100	200	300	9.8090E-03	2.700	1.692	37.38
P	101	135	236	6.7870E-01			
P	101	136	237	1.0410E+00			
P	101	137	238	1.0170E+00			
P	101	138	239	1.6530E+00			
P	101	139	240	1.5740E+00			
P	101	140	241	2.6210E+00			
P	101	141	242	2.6480E+00			
P	101	142	243	4.5420E+00			
P	101	143	244	4.4430E+00			
P	101	144	245	7.8340E+00			
P	101	145	246	7.8240E+00			
P	101	146	247	1.5690E+01			
P	101	147	248	1.6050E+01			
P	101	148	249	4.1070E+01			
P	101	149	250	3.9100E+01			
P	101	150	251	1.2640E+02			
P	101	151	252	1.1640E+02			
P	101	152	253	1.1820E+03			
P	101	153	254	5.5730E+02			
P	101	154	255	3.2920E+05			
P	101	155	256	2.7450E+03			
P	101	157	258	8.1450E+05			
M	101	161	262	3.4830E+08	0.003	1.750	
M	101	163	264	2.5910E+03	0.168	1.760	
M	101	164	265	2.5180E+05	0.039	1.000	
M	101	165	266	1.3300E+02	0.427	1.805	
M	101	166	267	6.7780E+02	0.269	1.041	
M	101	167	268	3.4830E+01	0.626	1.866	
M	101	168	269	1.7240E+02	0.344	1.185	
M	101	169	270	1.9060E+01	0.713	1.948	
M	101	170	271	7.0170E+01	0.401	1.297	
M	101	171	272	1.9540E+01	0.707	1.944	
M	101	172	273	8.0170E+01	0.390	1.280	
M	101	173	274	8.7210E+00	0.812	2.119	
M	101	174	275	1.2400E+01	0.563	1.508	
M	101	175	276	3.3870E+00	0.935	2.378	
M	101	176	277	3.7170E+00	0.736	1.656	
M	101	177	278	1.3820E+00	1.073	2.640	0.00
M	101	178	279	1.4070E+00	0.918	1.787	0.44
M	101	179	280	6.3660E-01	1.221	2.867	0.64
M	101	180	281	6.6180E-01	1.088	1.902	3.60
M	101	181	282	4.0790E-01	1.319	2.997	2.45
M	101	182	283	3.7600E-01	1.234	1.999	6.73
M	101	183	284	2.1210E-01	1.487	3.191	6.75
M	101	184	285	2.0220E-01	1.415	2.120	15.89
M	101	185	286	5.6550E-02	1.925	3.612	21.56
M	101	186	287	6.0610E-02	1.841	2.408	58.73
M	101	187	288	8.2760E-02	1.778	3.480	45.49
M	101	188	289	7.8700E-02	1.733	2.335	32.06
M	101	189	290	5.6690E-02	1.911	3.603	27.93
M	101	190	291	5.2530E-02	1.887	2.441	39.53
M	101	191	292	3.8140E-02	2.064	3.737	36.12
M	101	192	293	3.5970E-02	2.042	2.549	48.48

M	101	193	294	2.7100E-02	2.205	3.859	43.95
M	101	194	295	2.6510E-02	2.173	2.642	52.80
M	101	195	296	1.9410E-02	2.352	3.983	50.38
M	101	196	297	1.8470E-02	2.340	2.763	64.67
M	101	197	298	1.4120E-02	2.500	4.108	59.55
M	101	198	299	1.3520E-02	2.491	2.874	67.50
M	101	199	300	1.0700E-02	2.637	4.222	66.99
M	101	200	301	9.7660E-03	2.659	2.999	73.54
P	102	135	237	5.8650E-01			
P	102	136	238	8.7700E-01			
P	102	137	239	8.6350E-01			
P	102	138	240	1.3540E+00			
P	102	139	241	1.3400E+00			
P	102	140	242	2.1230E+00			
P	102	141	243	2.1520E+00			
P	102	142	244	3.6650E+00			
P	102	143	245	3.6970E+00			
P	102	144	246	6.3360E+00			
P	102	145	247	6.3780E+00			
P	102	146	248	1.2090E+01			
P	102	147	249	1.2300E+01			
P	102	148	250	2.7860E+01			
P	102	149	251	3.1970E+01			
P	102	150	252	9.0860E+01			
P	102	151	253	9.7460E+01			
P	102	152	254	5.4670E+02			
P	102	153	255	7.6290E+02			
P	102	155	257	7.3830E+04			
M	102	167	269	1.9930E+04	0.094	1.003	
M	102	169	271	1.2740E+03	0.226	1.028	
M	102	170	272	1.6550E+06	0.012	0.250	
M	102	171	273	8.0000E+02	0.249	1.062	
M	102	172	274	7.2350E+05	0.015	0.250	
M	102	173	275	3.1460E+02	0.290	1.158	
M	102	174	276	4.1790E+02	0.176	0.271	
M	102	175	277	5.0030E+01	0.405	1.356	
M	102	176	278	3.4980E+01	0.367	0.331	
M	102	177	279	8.9670E+00	0.588	1.541	
M	102	178	280	8.0030E+00	0.554	0.401	
M	102	179	281	2.8350E+00	0.768	1.673	
M	102	180	282	2.8000E+00	0.730	0.478	
M	102	181	283	1.4880E+00	0.891	1.756	
M	102	182	284	1.2710E+00	0.890	0.555	
M	102	183	285	6.3690E-01	1.083	1.881	0.00
M	102	184	286	5.8210E-01	1.076	0.652	0.01
M	102	185	287	1.2710E-01	1.557	2.195	1.46
M	102	186	288	1.3510E-01	1.515	0.903	9.00
M	102	187	289	2.0720E-01	1.391	2.084	5.67
M	102	188	290	1.9870E-01	1.381	0.825	1.21
M	102	189	291	1.3510E-01	1.526	2.174	2.32
M	102	190	292	1.2180E-01	1.541	0.921	2.95
M	102	191	293	8.5780E-02	1.683	2.280	5.26
M	102	192	294	7.9940E-02	1.691	1.015	6.18
M	102	193	295	5.5210E-02	1.847	2.395	9.56

M	102	194	296	5.3720E-02	1.842	1.114	10.35
M	102	195	297	3.8720E-02	1.989	2.495	13.77
M	102	196	298	3.5450E-02	2.012	1.228	15.33
M	102	197	299	2.6680E-02	2.148	2.609	20.57
M	102	198	300	2.4640E-02	2.172	1.338	21.52
M	102	199	301	1.9290E-02	2.295	2.717	26.67
M	102	200	302	1.7740E-02	2.324	1.446	24.69
P	103	138	241	6.4430E-01			
P	103	139	242	6.2660E-01			
P	103	140	243	9.5930E-01			
P	103	141	244	9.3700E-01			
P	103	142	245	1.5010E+00			
P	103	143	246	1.5150E+00			
P	103	144	247	2.4790E+00			
P	103	145	248	2.4260E+00			
P	103	146	249	4.0910E+00			
P	103	147	250	4.0820E+00			
P	103	148	251	7.2550E+00			
P	103	149	252	7.7660E+00			
P	103	150	253	1.6260E+01			
P	103	151	254	1.7850E+01			
P	103	152	255	4.6660E+01			
P	103	153	256	4.5880E+01			
P	103	154	257	2.1240E+02			
P	103	155	258	1.8800E+02			
P	103	156	259	2.0970E+03			
P	103	157	260	4.8460E+02			
P	103	158	261	1.6830E+05			
P	103	159	262	2.6650E+03			
P	103	161	264	4.6760E+05			
M	103	165	268	2.9140E+06	0.015	1.750	
M	103	167	270	1.7080E+03	0.184	1.762	
M	103	168	271	2.1070E+05	0.039	1.000	
M	103	169	272	1.2760E+02	0.414	1.803	
M	103	170	273	2.1260E+03	0.184	1.008	
M	103	171	274	8.6300E+01	0.465	1.813	
M	103	172	275	1.4900E+03	0.206	1.010	
M	103	173	276	5.7260E+01	0.523	1.826	
M	103	174	277	2.6660E+02	0.308	1.123	
M	103	175	278	2.0430E+01	0.676	1.924	
M	103	176	279	2.9200E+01	0.453	1.396	
M	103	177	280	5.7330E+00	0.838	2.211	
M	103	178	281	7.4740E+00	0.605	1.556	
M	103	179	282	2.2340E+00	0.963	2.479	
M	103	180	283	2.8250E+00	0.754	1.677	0.01
M	103	181	284	1.2470E+00	1.054	2.649	0.01
M	103	182	285	1.2320E+00	0.911	1.789	0.41
M	103	183	286	5.6770E-01	1.204	2.878	0.67
M	103	184	287	5.7220E-01	1.084	1.908	3.82
M	103	185	288	1.2260E-01	1.606	3.337	8.75
M	103	186	289	1.3430E-01	1.502	2.189	44.06
M	103	187	290	1.8870E-01	1.470	3.201	24.49
M	103	188	291	2.1510E-01	1.347	2.084	17.15
M	103	189	292	1.3890E-01	1.556	3.292	11.62

M	103	190	293	1.3220E-01	1.498	2.187	21.43
M	103	191	294	8.6650E-02	1.704	3.437	18.46
M	103	192	295	8.2240E-02	1.659	2.298	30.57
M	103	193	296	5.6640E-02	1.850	3.573	26.44
M	103	194	297	5.4890E-02	1.808	2.401	39.01
M	103	195	298	4.0640E-02	1.973	3.684	34.66
M	103	196	299	3.6810E-02	1.966	2.513	47.15
M	103	197	300	2.7950E-02	2.122	3.815	43.68
M	103	198	301	2.5720E-02	2.118	2.622	56.23
M	103	199	302	1.9740E-02	2.271	3.943	52.10
M	103	200	303	1.8190E-02	2.274	2.737	64.81
P	104	137	241	3.7530E-01			
P	104	138	242	5.4910E-01			
P	104	139	243	5.3400E-01			
P	104	140	244	8.0540E-01			
P	104	141	245	7.9100E-01			
P	104	142	246	1.2150E+00			
P	104	143	247	1.2200E+00			
P	104	144	248	1.9800E+00			
P	104	145	249	2.0090E+00			
P	104	146	250	3.3110E+00			
P	104	147	251	3.3150E+00			
P	104	148	252	5.7140E+00			
P	104	149	253	5.8520E+00			
P	104	150	254	1.1790E+01			
P	104	151	255	1.2970E+01			
P	104	152	256	3.1600E+01			
P	104	153	257	3.5850E+01			
P	104	154	258	1.4540E+02			
P	104	155	259	1.5380E+02			
P	104	156	260	3.6060E+03			
P	104	157	261	1.2620E+03			
P	104	159	263	7.5070E+04			
M	104	173	277	4.1050E+04	0.070	1.002	
M	104	175	279	2.2440E+03	0.184	1.008	
M	104	176	280	8.7040E+03	0.063	0.254	
M	104	177	281	1.2310E+02	0.328	1.253	
M	104	178	282	1.4690E+02	0.232	0.282	
M	104	179	283	1.9800E+01	0.473	1.448	
M	104	180	284	2.5900E+01	0.383	0.337	
M	104	181	285	7.8480E+00	0.583	1.543	
M	104	182	286	6.8040E+00	0.554	0.404	
M	104	183	287	2.4000E+00	0.768	1.679	
M	104	184	288	2.2510E+00	0.741	0.488	
M	104	185	289	3.2950E-01	1.219	1.980	0.02
M	104	186	290	3.5990E-01	1.168	0.711	1.46
M	104	187	291	4.9470E-01	1.106	1.905	0.63
M	104	188	292	7.3420E-01	0.978	0.608	0.01
M	104	189	293	4.2200E-01	1.144	1.929	0.03
M	104	190	294	3.8650E-01	1.140	0.697	0.07
M	104	191	295	2.3210E-01	1.308	2.039	0.47
M	104	192	296	2.1380E-01	1.309	0.794	0.73
M	104	193	297	1.4160E-01	1.458	2.140	1.95
M	104	194	298	1.2920E-01	1.467	0.890	2.51

M	104	195	299	9.1580E-02	1.602	2.240	4.56
M	104	196	300	8.1810E-02	1.624	0.989	5.43
M	104	197	301	5.9610E-02	1.756	2.347	8.64
M	104	198	302	5.3950E-02	1.779	1.091	9.71
M	104	199	303	4.0190E-02	1.909	2.456	13.77
M	104	200	304	3.6250E-02	1.937	1.198	15.15
P	105	142	247	5.9210E-01			
P	105	143	248	5.7720E-01			
P	105	144	249	8.7780E-01			
P	105	145	250	8.7280E-01			
P	105	146	251	1.3720E+00			
P	105	147	252	1.3680E+00			
P	105	148	253	2.1920E+00			
P	105	149	254	2.1730E+00			
P	105	150	255	3.7300E+00			
P	105	151	256	3.7700E+00			
P	105	152	257	7.7320E+00			
P	105	153	258	7.9680E+00			
P	105	154	259	1.9320E+01			
P	105	155	260	1.9100E+01			
P	105	156	261	6.6780E+01			
P	105	157	262	5.5430E+01			
P	105	158	263	2.3740E+02			
P	105	159	264	1.6300E+02			
P	105	160	265	2.1090E+03			
P	105	161	266	5.4220E+02			
P	105	162	267	1.5620E+05			
P	105	163	268	2.3920E+03			
P	105	165	270	6.2150E+05			
M	105	171	276	1.0040E+04	0.097	1.754	
M	105	173	278	5.7700E+02	0.248	1.769	
M	105	174	279	5.7960E+05	0.027	1.000	
M	105	175	280	1.6030E+02	0.368	1.795	
M	105	176	281	9.4590E+02	0.227	1.016	
M	105	177	282	3.3630E+01	0.582	1.853	
M	105	178	283	9.8490E+01	0.350	1.235	
M	105	179	284	1.0090E+01	0.744	2.049	
M	105	180	285	2.3190E+01	0.456	1.412	
M	105	181	286	5.0360E+00	0.826	2.227	
M	105	182	287	6.2010E+00	0.606	1.566	
M	105	183	288	1.9310E+00	0.952	2.500	
M	105	184	289	2.2010E+00	0.767	1.694	0.03
M	105	185	290	3.0460E-01	1.308	3.040	1.38
M	105	186	291	3.5620E-01	1.168	1.973	21.97
M	105	187	292	3.5380E-01	1.267	2.993	9.95
M	105	188	293	7.3610E-01	0.984	1.848	9.35
M	105	189	294	4.6810E-01	1.199	2.909	2.08
M	105	190	295	4.3710E-01	1.107	1.932	4.87
M	105	191	296	2.4790E-01	1.346	3.093	4.73
M	105	192	297	2.3050E-01	1.278	2.048	11.77
M	105	193	298	1.4750E-01	1.485	3.246	10.77
M	105	194	299	1.3810E-01	1.431	2.153	19.92
M	105	195	300	9.4190E-02	1.619	3.382	17.64
M	105	196	301	8.6820E-02	1.582	2.259	28.65

M	105	197	302	6.1640E-02	1.758	3.516	25.85
M	105	198	303	5.6640E-02	1.735	2.366	37.94
M	105	199	304	4.1440E-02	1.900	3.646	34.63
M	105	200	305	3.7870E-02	1.889	2.476	47.21
P	106	141	247	3.3990E-01			
P	106	142	248	5.0000E-01			
P	106	143	249	4.9180E-01			
P	106	144	250	7.3800E-01			
P	106	145	251	7.2670E-01			
P	106	146	252	1.1250E+00			
P	106	147	253	1.1280E+00			
P	106	148	254	1.7900E+00			
P	106	149	255	1.7750E+00			
P	106	150	256	2.9620E+00			
P	106	151	257	2.8790E+00			
P	106	152	258	5.1250E+00			
P	106	153	259	5.8620E+00			
P	106	154	260	1.3760E+01			
P	106	155	261	1.5960E+01			
P	106	156	262	4.1330E+01			
P	106	157	263	4.7250E+01			
P	106	158	264	1.6080E+02			
P	106	159	265	1.8110E+02			
P	106	160	266	3.0270E+03			
P	106	161	267	1.8510E+03			
P	106	163	269	1.6420E+05			
M	106	177	283	2.3980E+04	0.080	1.002	
M	106	179	285	4.7670E+02	0.254	1.095	
M	106	180	286	4.6880E+03	0.073	0.255	
M	106	181	287	1.0340E+02	0.325	1.262	
M	106	182	288	1.0160E+02	0.247	0.287	
M	106	183	289	1.5840E+01	0.477	1.459	
M	106	184	290	1.6840E+01	0.413	0.350	
M	106	185	291	1.0840E+00	0.894	1.771	
M	106	186	292	1.2500E+00	0.830	0.537	0.00
M	106	187	293	9.3780E-01	0.922	1.790	0.00
M	106	188	294	1.8580E+00	0.747	0.496	
M	106	189	295	2.3970E+00	0.735	1.662	
M	106	190	296	2.0250E+00	0.728	0.487	
M	106	191	297	9.5720E-01	0.911	1.782	
M	106	192	298	7.9650E-01	0.920	0.585	
M	106	193	299	4.7070E-01	1.073	1.891	0.01
M	106	194	300	4.0500E-01	1.084	0.675	0.03
M	106	195	301	2.5730E-01	1.230	1.997	0.33
M	106	196	302	2.2940E-01	1.239	0.765	0.54
M	106	197	303	1.5170E-01	1.384	2.102	1.57
M	106	198	304	1.3640E-01	1.396	0.860	2.15
M	106	199	305	9.5070E-02	1.533	2.206	4.15
M	106	200	306	8.4730E-02	1.554	0.961	5.22
P	107	146	253	5.3850E-01			
P	107	147	254	5.2890E-01			
P	107	148	255	8.0830E-01			
P	107	149	256	7.9580E-01			

P	107	150	257	1.2590E+00			
P	107	151	258	1.2500E+00			
P	107	152	259	1.9440E+00			
P	107	153	260	1.9370E+00			
P	107	154	261	3.3900E+00			
P	107	155	262	4.0770E+00			
P	107	156	263	8.7760E+00			
P	107	157	264	9.5370E+00			
P	107	158	265	2.1450E+01			
P	107	159	266	2.1170E+01			
P	107	160	267	5.8670E+01			
P	107	161	268	5.4170E+01			
P	107	162	269	2.4610E+02			
P	107	163	270	1.6240E+02			
P	107	164	271	2.3750E+03			
P	107	165	272	5.8720E+02			
P	107	166	273	1.0730E+05			
P	107	167	274	2.4390E+03			
P	107	169	276	1.6400E+04			
M	107	175	282	3.7620E+04	0.060	1.752	
M	107	177	284	5.1570E+02	0.245	1.769	
M	107	178	285	9.3750E+03	0.102	1.003	
M	107	179	286	6.8700E+01	0.455	1.813	
M	107	180	287	7.4850E+02	0.232	1.021	
M	107	181	288	2.9460E+01	0.577	1.856	
M	107	182	289	7.1340E+01	0.356	1.263	
M	107	183	290	8.5520E+00	0.738	2.069	
M	107	184	291	1.4330E+01	0.484	1.456	
M	107	185	292	9.2230E-01	1.039	2.695	0.00
M	107	186	293	1.2290E+00	0.847	1.759	4.72
M	107	187	294	7.9640E-01	1.062	2.737	1.57
M	107	188	295	9.9340E-01	0.887	1.788	3.52
M	107	189	296	1.3320E+00	0.971	2.586	0.45
M	107	190	297	2.6040E+00	0.705	1.655	0.23
M	107	191	298	1.0830E+00	1.001	2.645	0.02
M	107	192	299	1.0010E+00	0.879	1.783	0.82
M	107	193	300	5.0250E-01	1.141	2.865	0.91
M	107	194	301	4.5330E-01	1.055	1.906	4.39
M	107	195	302	2.6840E-01	1.278	3.045	4.50
M	107	196	303	2.5140E-01	1.205	2.009	10.77
M	107	197	304	1.5830E-01	1.412	3.198	9.89
M	107	198	305	1.4960E-01	1.353	2.112	19.18
M	107	199	306	9.7800E-02	1.550	3.342	16.84
M	107	200	307	9.2080E-02	1.505	2.219	28.48
P	108	146	254	4.6640E-01			
P	108	147	255	4.5370E-01			
P	108	148	256	6.7760E-01			
P	108	149	257	6.7330E-01			
P	108	150	258	1.0290E+00			
P	108	151	259	1.0110E+00			
P	108	152	260	1.6190E+00			
P	108	153	261	1.6220E+00			
P	108	154	262	2.6500E+00			
P	108	155	263	2.6650E+00			

P	108	156	264	5.3710E+00			
P	108	157	265	6.4370E+00			
P	108	158	266	1.5200E+01			
P	108	159	267	1.6220E+01			
P	108	160	268	4.3300E+01			
P	108	161	269	4.4470E+01			
P	108	162	270	1.7220E+02			
P	108	163	271	1.6950E+02			
P	108	164	272	4.3390E+03			
P	108	165	273	3.0480E+03			
P	108	167	275	4.3830E+05			
M	108	181	289	1.3340E+04	0.092	1.003	
M	108	183	291	3.4930E+02	0.257	1.119	
M	108	184	292	9.0590E+02	0.119	0.261	
M	108	185	293	5.0410E+00	0.599	1.568	
M	108	186	294	6.8310E+00	0.510	0.390	
M	108	187	295	3.6910E+00	0.643	1.601	
M	108	188	296	4.1440E+00	0.582	0.422	
M	108	189	297	3.9170E+00	0.631	1.593	
M	108	190	298	1.6790E+01	0.393	0.344	
M	108	191	299	7.4820E+00	0.539	1.522	
M	108	192	300	7.2260E+00	0.496	0.385	
M	108	193	301	2.7580E+00	0.681	1.630	
M	108	194	302	2.2340E+00	0.678	0.468	
M	108	195	303	1.0480E+00	0.856	1.752	
M	108	196	304	9.0550E-01	0.854	0.557	
M	108	197	305	5.0380E-01	1.015	1.860	0.00
M	108	198	306	4.4520E-01	1.017	0.646	0.01
M	108	199	307	2.7550E-01	1.165	1.963	0.23
M	108	200	308	2.4510E-01	1.172	0.737	0.40
P	109	153	262	7.2810E-01			
P	109	154	263	1.1230E+00			
P	109	155	264	1.1260E+00			
P	109	156	265	1.8070E+00			
P	109	157	266	1.9230E+00			
P	109	158	267	3.7420E+00			
P	109	159	268	4.3710E+00			
P	109	160	269	8.6230E+00			
P	109	161	270	9.0250E+00			
P	109	162	271	2.0370E+01			
P	109	163	272	1.9410E+01			
P	109	164	273	5.4080E+01			
P	109	165	274	5.5860E+01			
P	109	166	275	2.9010E+02			
P	109	167	276	1.8070E+02			
P	109	168	277	2.2300E+03			
P	109	169	278	2.4930E+02			
P	109	170	279	8.7180E+03			
P	109	171	280	6.3000E+02			
P	109	173	282	5.3450E+03			
M	109	179	288	3.2030E+03	0.129	1.757	
M	109	181	290	3.6210E+02	0.261	1.771	
M	109	182	291	5.6030E+03	0.115	1.004	
M	109	183	292	5.5560E+01	0.463	1.815	

M	109	184	293	3.0950E+02	0.269	1.079	
M	109	185	294	3.5190E+00	0.817	2.286	
M	109	186	295	6.4070E+00	0.556	1.537	0.00
M	109	187	296	2.5160E+00	0.856	2.381	0.00
M	109	188	297	3.4770E+00	0.638	1.608	0.07
M	109	189	298	1.6990E+00	0.906	2.493	0.02
M	109	190	299	5.3610E+00	0.575	1.555	0.00
M	109	191	300	4.4990E+00	0.779	2.217	
M	109	192	301	7.5860E+00	0.529	1.514	
M	109	193	302	2.4290E+00	0.852	2.389	
M	109	194	303	2.8880E+00	0.659	1.626	0.00
M	109	195	304	1.1160E+00	0.960	2.613	0.01
M	109	196	305	1.0950E+00	0.825	1.753	0.66
M	109	197	306	5.3950E-01	1.084	2.820	0.75
M	109	198	307	5.0780E-01	0.986	1.867	4.09
M	109	199	308	2.8840E-01	1.214	2.998	3.84
M	109	200	309	2.6820E-01	1.141	1.975	10.43

P	110	153	263	6.0500E-01			
P	110	154	264	9.4560E-01			
P	110	155	265	9.2850E-01			
P	110	156	266	1.4710E+00			
P	110	157	267	1.4890E+00			
P	110	158	268	2.4310E+00			
P	110	159	269	2.8350E+00			
P	110	160	270	5.9400E+00			
P	110	161	271	6.8400E+00			
P	110	162	272	1.5160E+01			
P	110	163	273	1.5690E+01			
P	110	164	274	4.2200E+01			
P	110	165	275	4.1940E+01			
P	110	166	276	1.6830E+02			
P	110	167	277	2.1250E+02			
P	110	168	278	4.6690E+03			
P	110	169	279	7.0870E+02			
P	110	171	281	4.7680E+03			
M	110	183	293	1.1910E+09	0.002	1.000	
M	110	185	295	5.4540E+01	0.342	1.308	
M	110	186	296	1.2250E+02	0.212	0.279	
M	110	187	297	2.5700E+01	0.396	1.389	
M	110	188	298	3.9380E+01	0.295	0.311	
M	110	189	299	1.3880E+01	0.452	1.450	
M	110	190	300	2.2580E+01	0.346	0.329	
M	110	191	301	2.4210E+01	0.397	1.394	
M	110	192	302	1.7700E+02	0.187	0.274	
M	110	193	303	2.9340E+01	0.382	1.367	
M	110	194	304	3.3760E+01	0.305	0.315	
M	110	195	305	8.8440E+00	0.496	1.492	
M	110	196	306	8.0160E+00	0.459	0.373	
M	110	197	307	2.9050E+00	0.644	1.609	
M	110	198	308	2.5020E+00	0.629	0.449	
M	110	199	309	1.1910E+00	0.795	1.718	
M	110	200	310	1.0420E+00	0.789	0.529	

P	111	156	267	6.7620E-01			
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P	111	157	268	6.7060E-01			
P	111	158	269	1.0390E+00			
P	111	159	270	1.0310E+00			
P	111	160	271	1.7570E+00			
P	111	161	272	2.0150E+00			
P	111	162	273	4.1160E+00			
P	111	163	274	4.1940E+00			
P	111	164	275	8.4750E+00			
P	111	165	276	8.6980E+00			
P	111	166	277	1.9820E+01			
P	111	167	278	2.0890E+01			
P	111	168	279	4.1930E+01			
P	111	169	280	3.1420E+01			
P	111	170	281	1.1280E+02			
P	111	171	282	6.5850E+01			
P	111	172	283	4.7470E+02			
P	111	173	284	2.1740E+02			
P	111	174	285	9.8700E+03			
P	111	175	286	7.5820E+02			
P	111	177	288	1.3960E+04			
M	111	183	294	1.7000E+03	0.150	1.759	
M	111	185	296	1.8780E+01	0.595	1.886	
M	111	186	297	7.0180E+01	0.331	1.243	
M	111	187	298	1.0690E+01	0.664	1.982	
M	111	188	299	3.2310E+01	0.380	1.334	
M	111	189	300	7.7110E+00	0.699	2.055	
M	111	190	301	1.8400E+01	0.422	1.403	
M	111	191	302	5.4510E+00	0.735	2.143	
M	111	192	303	2.7060E+01	0.391	1.352	
M	111	193	304	1.1460E+01	0.649	1.968	
M	111	194	305	2.7960E+01	0.387	1.348	
M	111	195	306	5.8500E+00	0.722	2.125	
M	111	196	307	8.6630E+00	0.491	1.485	
M	111	197	308	2.5640E+00	0.814	2.351	
M	111	198	309	2.8970E+00	0.630	1.610	0.00
M	111	199	310	1.1360E+00	0.921	2.584	0.01
M	111	200	311	1.1400E+00	0.783	1.729	0.58
P	112	156	268	5.6060E-01			
P	112	157	269	5.5220E-01			
P	112	158	270	8.5820E-01			
P	112	159	271	8.4890E-01			
P	112	160	272	1.3430E+00			
P	112	161	273	1.3560E+00			
P	112	162	274	2.6170E+00			
P	112	163	275	3.1540E+00			
P	112	164	276	6.3020E+00			
P	112	165	277	6.8080E+00			
P	112	166	278	1.5200E+01			
P	112	167	279	1.7420E+01			
P	112	168	280	2.8940E+01			
P	112	169	281	2.3050E+01			
P	112	170	282	5.9760E+01			
P	112	171	283	6.3440E+01			
P	112	172	284	2.7970E+02			

P	112	173	285	3.3050E+02		
P	112	175	287	1.1080E+04		
M	112	185	297	3.8070E+03	0.127	1.004
M	112	187	299	5.3700E+02	0.224	1.056
M	112	188	300	6.3620E+04	0.027	0.251
M	112	189	301	3.4600E+02	0.240	1.099
M	112	190	302	4.3750E+03	0.064	0.254
M	112	191	303	1.4710E+02	0.273	1.192
M	112	192	304	7.1970E+02	0.114	0.261
M	112	193	305	1.3740E+02	0.275	1.200
M	112	194	306	4.0600E+02	0.137	0.264
M	112	195	307	5.8790E+01	0.318	1.289
M	112	196	308	1.2220E+02	0.199	0.277
M	112	197	309	2.9340E+01	0.365	1.356
M	112	198	310	3.6870E+01	0.285	0.299
M	112	199	311	8.8280E+00	0.474	1.479
M	112	200	312	8.2220E+00	0.434	0.365

P	113	159	272	4.0570E-01		
P	113	160	273	6.0570E-01		
P	113	161	274	5.9840E-01		
P	113	162	275	9.1550E-01		
P	113	163	276	1.0030E+00		
P	113	164	277	1.8850E+00		
P	113	165	278	2.1770E+00		
P	113	166	279	3.9930E+00		
P	113	167	280	4.3460E+00		
P	113	168	281	6.5110E+00		
P	113	169	282	6.3160E+00		
P	113	170	283	1.0940E+01		
P	113	171	284	1.0270E+01		
P	113	172	285	2.1950E+01		
P	113	173	286	2.1340E+01		
P	113	174	287	6.7020E+01		
P	113	175	288	6.6010E+01		
P	113	176	289	1.1350E+03		
P	113	177	290	2.3850E+02		
P	113	178	291	8.4550E+05		
P	113	179	292	1.7800E+03		
P	113	181	294	7.4390E+05		
M	113	185	298	1.6760E+02	0.300	1.784
M	113	186	299	5.5220E+03	0.105	1.003
M	113	187	300	6.9580E+01	0.393	1.803
M	113	188	301	9.5040E+02	0.187	1.009
M	113	189	302	5.3390E+01	0.425	1.809
M	113	190	303	5.9370E+02	0.215	1.018
M	113	191	304	3.2530E+01	0.492	1.827
M	113	192	305	3.6080E+02	0.241	1.048
M	113	193	306	3.1280E+01	0.496	1.829
M	113	194	307	1.1070E+02	0.293	1.174
M	113	195	308	1.1540E+01	0.625	1.949
M	113	196	309	2.1360E+01	0.392	1.366
M	113	197	310	5.2430E+00	0.709	2.131
M	113	198	311	1.0800E+01	0.448	1.448
M	113	199	312	3.7150E+00	0.744	2.223

M	113	200	313	6.3240E+00	0.503	1.507
P	114	159	273	3.3510E-01		
P	114	160	274	5.0270E-01		
P	114	161	275	4.9940E-01		
P	114	162	276	7.6390E-01		
P	114	163	277	7.4060E-01		
P	114	164	278	1.2130E+00		
P	114	165	279	1.4350E+00		
P	114	166	280	2.9540E+00		
P	114	167	281	3.2600E+00		
P	114	168	282	6.0380E+00		
P	114	169	283	6.0000E+00		
P	114	170	284	1.1070E+01		
P	114	171	285	1.0170E+01		
P	114	172	286	2.1300E+01		
P	114	173	287	2.0600E+01		
P	114	174	288	6.5700E+01		
P	114	175	289	5.9140E+01		
P	114	176	290	6.3280E+02		
P	114	177	291	6.6200E+02		
P	114	179	293	5.3970E+05		
M	114	191	305	1.4370E+05	0.036	1.000
M	114	193	307	3.2140E+05	0.027	1.000
M	114	195	309	1.5170E+03	0.163	1.007
M	114	196	310	7.9110E+04	0.023	0.251
M	114	197	311	1.3730E+02	0.264	1.189
M	114	198	312	2.0080E+02	0.161	0.269
M	114	199	313	2.4480E+01	0.364	1.362
M	114	200	314	2.4760E+01	0.302	0.316
P	115	162	277	3.6270E-01		
P	115	163	278	3.5020E-01		
P	115	164	279	5.2510E-01		
P	115	165	280	5.3850E-01		
P	115	166	281	1.0340E+00		
P	115	167	282	1.0070E+00		
P	115	168	283	1.5460E+00		
P	115	169	284	1.5190E+00		
P	115	170	285	2.5130E+00		
P	115	171	286	2.4900E+00		
P	115	172	287	4.1570E+00		
P	115	173	288	3.7870E+00		
P	115	174	289	6.6870E+00		
P	115	175	290	6.0580E+00		
P	115	176	291	1.1700E+01		
P	115	177	292	9.7110E+00		
P	115	178	293	4.5260E+01		
P	115	179	294	4.3190E+01		
P	115	180	295	2.9030E+02		
P	115	181	296	1.1600E+02		
P	115	182	297	1.6490E+03		
P	115	183	298	2.4950E+02		
M	115	189	304	6.6710E+03	0.086	1.753
M	115	191	306	8.6310E+02	0.168	1.761

M	115	193	308	1.0570E+03	0.157	1.760
M	115	194	309	7.1070E+05	0.019	1.000
M	115	195	310	1.3250E+02	0.303	1.785
M	115	196	311	1.4110E+03	0.154	1.006
M	115	197	312	3.4420E+01	0.459	1.819
M	115	198	313	1.3910E+02	0.272	1.134
M	115	199	314	1.2240E+01	0.593	1.921
M	115	200	315	2.5400E+01	0.362	1.334
P	116	162	278	3.0180E-01		
P	116	163	279	2.9020E-01		
P	116	164	280	4.8880E-01		
P	116	165	281	4.8570E-01		
P	116	166	282	8.1670E-01		
P	116	167	283	9.1990E-01		
P	116	168	284	1.4480E+00		
P	116	169	285	1.4140E+00		
P	116	170	286	2.2130E+00		
P	116	171	287	2.2330E+00		
P	116	172	288	3.8660E+00		
P	116	173	289	3.5540E+00		
P	116	174	290	5.9360E+00		
P	116	175	291	5.1640E+00		
P	116	176	292	1.0100E+01		
P	116	177	293	8.8370E+00		
P	116	178	294	3.2980E+01		
P	116	179	295	3.4750E+01		
P	116	180	296	2.5490E+02		
P	116	181	297	2.4000E+02		
P	116	182	298	5.2840E+04		
P	116	183	299	1.5800E+03		
M	116	197	313	3.7650E+08	0.002	1.000
M	116	199	315	2.1140E+03	0.138	1.005
M	116	200	316	8.3960E+06	0.005	0.250
P	117	169	286	6.0640E-01		
P	117	170	287	8.7620E-01		
P	117	171	288	8.6270E-01		
P	117	172	289	1.3580E+00		
P	117	173	290	1.3250E+00		
P	117	174	291	2.1560E+00		
P	117	175	292	1.9160E+00		
P	117	176	293	3.1670E+00		
P	117	177	294	2.7870E+00		
P	117	178	295	6.8640E+00		
P	117	179	296	6.3530E+00		
P	117	180	297	1.6000E+01		
P	117	181	298	1.6280E+01		
P	117	182	299	5.9360E+01		
P	117	183	300	4.0400E+01		
P	117	184	301	6.6900E+04		
P	117	185	302	5.4460E+02		
P	117	187	304	4.7730E+03		
M	117	197	314	1.4670E+03	0.133	1.757
M	117	199	316	1.5320E+02	0.276	1.774

M	117	200	317	1.9290E+03	0.131	1.005
P	118	171	289	6.9460E-01		
P	118	172	290	1.0600E+00		
P	118	173	291	9.7790E-01		
P	118	174	292	1.6170E+00		
P	118	175	293	1.6440E+00		
P	118	176	294	2.7640E+00		
P	118	177	295	2.3620E+00		
P	118	178	296	5.7010E+00		
P	118	179	297	5.4010E+00		
P	118	180	298	1.3000E+01		
P	118	181	299	1.4250E+01		
P	118	182	300	5.1420E+01		
P	118	183	301	4.4120E+01		
P	118	185	303	1.8250E+04		
P	118	187	305	1.4210E+07		
P	119	173	292	4.4270E-01		
P	119	174	293	6.2100E-01		
P	119	175	294	6.2560E-01		
P	119	176	295	1.0200E+00		
P	119	177	296	9.5340E-01		
P	119	178	297	1.9570E+00		
P	119	179	298	1.8390E+00		
P	119	180	299	3.2520E+00		
P	119	181	300	3.3400E+00		
P	119	182	301	7.8920E+00		
P	119	183	302	7.4270E+00		
P	119	184	303	2.1810E+02		
P	119	185	304	6.9200E+01		
P	119	186	305	4.7950E+02		
P	119	187	306	9.9670E+01		
P	119	188	307	1.3850E+03		
P	119	189	308	1.6720E+02		
P	119	190	309	6.7920E+03		
P	119	191	310	1.7760E+02		
P	119	192	311	4.0850E+03		
P	119	193	312	3.1160E+03		
P	120	175	295	4.7590E-01		
P	120	176	296	7.0390E-01		
P	120	177	297	7.3240E-01		
P	120	178	298	1.6800E+00		
P	120	179	299	1.5830E+00		
P	120	180	300	2.5900E+00		
P	120	181	301	2.4420E+00		
P	120	182	302	5.0260E+00		
P	120	183	303	5.6190E+00		
P	120	184	304	3.2990E+02		
P	120	185	305	1.3260E+02		
P	120	186	306	1.4420E+03		
P	120	187	307	2.6530E+02		
P	120	188	308	5.1610E+04		
P	120	189	309	9.0660E+02		

P	120	191	311	1.5520E+03
P	120	192	312	1.1710E+03
P	120	193	313	2.5040E+02
P	121	177	298	2.7850E-01
P	121	178	299	5.4080E-01
P	121	179	300	5.6990E-01
P	121	180	301	9.3350E-01
P	121	181	302	9.0030E-01
P	121	182	303	1.3940E+00
P	121	183	304	1.2780E+00
P	121	184	305	9.0210E+00
P	121	185	306	8.6870E+00
P	121	186	307	2.3470E+01
P	121	187	308	1.5440E+01
P	121	188	309	4.2500E+01
P	121	189	310	2.5260E+01
P	121	190	311	6.1460E+01
P	121	191	312	2.9850E+01
P	121	192	313	1.1830E+02
P	121	193	314	7.2860E+00
P	121	194	315	1.3450E+01
P	121	195	316	1.0810E+01
P	121	196	317	1.9090E+01
P	121	197	318	2.3930E+03
P	122	177	299	2.4180E-01
P	122	178	300	4.3070E-01
P	122	179	301	4.2590E-01
P	122	180	302	7.0210E-01
P	122	181	303	7.3430E-01
P	122	182	304	1.1680E+00
P	122	183	305	1.0910E+00
P	122	184	306	6.2360E+00
P	122	185	307	5.3290E+00
P	122	186	308	1.3330E+01
P	122	187	309	1.3030E+01
P	122	188	310	3.4420E+01
P	122	189	311	2.6200E+01
P	122	190	312	4.4510E+01
P	122	191	313	3.1270E+01
P	122	192	314	1.1830E+02
P	122	193	315	7.7170E+01
P	122	194	316	2.1360E+03
P	122	195	317	1.0030E+03
P	122	196	318	8.7500E+00
P	122	197	319	7.1740E+00
P	123	180	303	2.9390E-01
P	123	181	304	3.0750E-01
P	123	182	305	4.9400E-01
P	123	183	306	4.7750E-01
P	123	184	307	1.8860E+00
P	123	185	308	1.5850E+00
P	123	186	309	2.5690E+00

P 123 187 310 2.4010E+00
P 123 188 311 4.3140E+00
P 123 189 312 4.3750E+00
P 123 190 313 5.6350E+00
P 123 191 314 4.8960E+00
P 123 192 315 1.0830E+01
P 123 193 316 7.8460E+00
P 123 194 317 1.9990E+01
P 123 195 318 1.7270E+01
P 123 196 319 9.0350E+01
P 123 197 320 1.3710E+00
P 123 198 321 2.1730E+00
P 123 199 322 1.9390E+00
P 123 200 323 2.9670E+00

P 124 180 304 2.4420E-01
P 124 181 305 2.3970E-01
P 124 182 306 3.7380E-01
P 124 183 307 3.7200E-01
P 124 184 308 1.6140E+00
P 124 185 309 1.3310E+00
P 124 186 310 2.1330E+00
P 124 187 311 1.8800E+00
P 124 188 312 2.6520E+00
P 124 189 313 2.8230E+00
P 124 190 314 4.9920E+00
P 124 191 315 4.0500E+00
P 124 192 316 8.8990E+00
P 124 193 317 5.9420E+00
P 124 194 318 1.5250E+01
P 124 195 319 1.6150E+01
P 124 196 320 6.6340E+01
P 124 197 321 5.7210E+01
P 124 198 322 1.9910E+03
P 124 199 323 7.2960E+02
P 124 200 324 1.6820E+00

P 125 186 311 7.7560E-01
P 125 187 312 7.1520E-01
P 125 188 313 8.5760E-01
P 125 189 314 7.4940E-01
P 125 190 315 1.1120E+00
P 125 191 316 1.0300E+00
P 125 192 317 2.4440E+00
P 125 193 318 1.5180E+00
P 125 194 319 2.7660E+00
P 125 195 320 2.9460E+00
P 125 196 321 6.3600E+00
P 125 197 322 6.0590E+00
P 125 198 323 1.5750E+01
P 125 199 324 1.4430E+01
P 125 200 325 6.2400E+01

P 126 184 310 4.2160E-01
P 126 185 311 3.8310E-01

P	126	186	312	5.6650E-01
P	126	187	313	5.6070E-01
P	126	188	314	6.4120E-01
P	126	189	315	6.0320E-01
P	126	190	316	8.3220E-01
P	126	191	317	7.0590E-01
P	126	192	318	1.7070E+00
P	126	193	319	1.5570E+00
P	126	194	320	2.0320E+00
P	126	195	321	2.1340E+00
P	126	196	322	4.5900E+00
P	126	197	323	5.0260E+00
P	126	198	324	1.2450E+01
P	126	199	325	1.1820E+01
P	126	200	326	4.8310E+01
P	127	189	316	2.6590E-01
P	127	190	317	3.3140E-01
P	127	191	318	2.9830E-01
P	127	192	319	4.4750E-01
P	127	193	320	5.2610E-01
P	127	194	321	7.7900E-01
P	127	195	322	7.0250E-01
P	127	196	323	1.1380E+00
P	127	197	324	1.2130E+00
P	127	198	325	2.4100E+00
P	127	199	326	2.4860E+00
P	127	200	327	5.1370E+00
P	128	189	317	1.9730E-01
P	128	190	318	2.6290E-01
P	128	191	319	2.3330E-01
P	128	192	320	3.5690E-01
P	128	193	321	3.5820E-01
P	128	194	322	5.8010E-01
P	128	195	323	5.6160E-01
P	128	196	324	8.9310E-01
P	128	197	325	8.8290E-01
P	128	198	326	1.6220E+00
P	128	199	327	1.7990E+00
P	128	200	328	4.0390E+00
P	129	194	323	2.4230E-01
P	129	195	324	2.4200E-01
P	129	196	325	3.5680E-01
P	129	197	326	3.4570E-01
P	129	198	327	5.3780E-01
P	129	199	328	5.4110E-01
P	129	200	329	9.6370E-01
P	130	194	324	1.9490E-01
P	130	195	325	1.9300E-01
P	130	196	326	2.8650E-01
P	130	197	327	2.7350E-01
P	130	198	328	4.2840E-01

P	130	199	329	4.2640E-01
P	130	200	330	6.7350E-01