

The following tables list the running time (geometric mean over three runs) and the achieved ( $\ell_2$ -)distance to the respective unique optimum of our solver comparison for each instance, for the solvers without HOC (first table) and with HOC (second table). The instances 1–274 correspond to the test set part with high dynamic range solutions, the instances 275–548 to that with low dynamic range solutions. For details on the construction of each instance, please see document [SPEAR\\_instance\\_details.pdf](#).

Inst.	ISAL1		CPLEX		SoPlex		SPGL1		$\ell_1$ -Homotopy		YALL1		$\ell_1$ -MAGIC		SparseLab	
	w/o HOC		(w/o HOC)		(w/o HOC)		w/o HOC		w/o HOC		w/o HOC		w/o HOC		w/o HOC	
	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $	$t$ [s]	$\ \bar{x} - x^*\ $
1	1.69e+00	3.73e-12	8.96e-02	1.07e-12	1.39e-01	2.45e-11	4.58e-01	1.12e-04	4.08e+00	3.17e-08	8.33e+00	6.76e+03	1.27e+00	6.01e-04	1.47e+00	8.01e-04
2	3.51e+00	1.82e-10	1.59e-01	2.69e-10	2.66e-01	2.58e-09	8.82e-01	1.76e-04	6.81e+00	2.22e-04	8.35e+00	1.39e+04	1.89e+00	4.06e-03	1.89e+00	9.15e-04
3	1.64e+00	1.78e-15	1.00e-02	0.00e+00	1.26e-02	0.00e+00	2.47e-01	1.39e-03	3.66e-01	6.43e-11	5.30e-01	2.66e+00	2.29e+00	3.99e-04	1.46e+00	1.17e-03
4	1.71e+00	0.00e+00	1.00e-02	7.10e-15	1.26e-02	7.10e-15	1.63e+00	1.59e-03	5.80e-01	1.34e-10	1.89e+00	8.06e+01	2.42e+00	2.69e-02	2.18e+00	2.41e-03
5	2.93e+00	2.42e-11	1.13e-01	9.95e-11	1.19e-01	7.93e-11	6.22e-01	1.20e-03	5.09e+00	4.25e-08	1.71e+00	7.92e+00	1.98e+00	3.92e-03	2.03e+00	2.70e-03
6	1.46e+00	1.14e-10	8.65e-02	1.46e-11	1.23e-01	2.91e-11	7.41e-01	1.48e-04	5.62e+00	5.78e-07	8.55e+00	1.66e+00	1.86e+00	3.31e-01	2.17e+00	5.77e-03
7	1.20e+00	2.01e-02	1.07e-01	7.95e-11	1.73e-01	7.20e-11	8.56e-02	7.52e-05	4.61e+00	9.62e+00	5.15e-02	3.64e+02	2.24e+00	1.54e-02	2.31e+00	2.97e-03
8	2.63e+00	3.86e-10	1.16e-01	1.38e-10	1.76e-01	5.84e-11	7.45e-02	8.19e-05	1.13e+00	5.10e-08	8.67e-02	1.22e+02	2.24e+00	7.37e-03	2.16e+00	1.71e-03
9	1.46e+00	1.75e-11	6.07e-01	1.35e-10	1.92e+00	3.57e-10	8.16e-02	6.81e-05	4.65e+00	8.50e-09	8.33e-02	1.88e+01	1.87e+00	1.07e-03	1.89e+00	1.39e-03
10	1.13e+00	2.83e-11	5.03e-01	2.20e-10	9.50e-01	5.40e-10	9.34e-02	7.73e-05	5.75e+00	1.26e-08	1.17e-01	6.23e+00	2.01e+00	5.28e-02	2.22e+00	1.53e-03
11	1.69e+00	4.00e-10	1.83e+00	1.33e-09	2.69e+00	3.48e-09	6.78e-02	6.60e-05	5.08e+00	4.04e-08	3.90e-02	2.90e+02	2.15e+00	9.07e-03	2.30e+00	1.56e-03
12	1.70e+00	4.79e-10	1.99e+00	1.33e-09	4.53e+00	2.20e-09	7.07e-02	1.24e-04	5.59e+00	1.91e-08	4.57e-02	2.80e+02	2.32e+00	4.60e-03	2.16e+00	1.68e-03
13	1.75e+00	4.92e-11	1.04e+00	2.22e-09	2.29e+00	5.72e-09	6.76e-02	6.65e-05	5.24e+00	1.22e-07	4.43e-02	2.39e+02	2.15e+00	6.01e-03	2.31e+00	1.62e-03
14	1.76e+00	2.22e-11	5.73e-01	3.90e-10	2.40e+00	4.62e-09	6.99e-02	1.04e-04	5.19e+00	3.20e-08	5.58e-02	1.07e+02	2.15e+00	1.21e-02	2.17e+00	1.64e-03
15	9.19e-01	1.28e-02	6.06e-01	4.73e-10	4.10e+00	4.36e-09	7.78e-02	1.41e-04	5.10e+00	1.58e-08	5.89e-02	5.81e+01	2.14e+00	7.99e-02	2.32e+00	4.82e-03
16	7.53e-01	1.32e-02	7.63e-01	4.48e-10	2.30e+00	1.01e-09	8.14e-02	7.29e-05	5.24e+00	1.29e-08	9.80e-02	1.55e+01	2.15e+00	8.40e-03	2.17e+00	9.14e-03
17	1.23e+00	3.32e-10	1.59e+00	5.85e-10	4.21e+00	5.48e-09	8.58e-02	8.50e-05	6.18e+00	2.84e-06	9.34e-02	1.31e+01	1.99e+00	3.84e-02	2.17e+00	1.32e-03
18	1.06e+00	4.31e-10	1.58e+00	3.01e-09	3.42e+00	6.94e-09	8.58e-02	6.92e-05	6.18e+00	5.11e-08	7.57e-02	7.36e+01	1.86e+00	1.21e-01	2.17e+00	1.31e-03
19	1.07e+00	7.84e-02	5.07e-01	3.92e-09	6.57e-01	4.05e-09	8.33e-02	8.40e-05	6.01e+00	2.42e-08	6.85e-02	3.98e+01	1.74e+00	7.03e-03	2.03e+00	1.35e-03
20	1.18e+00	3.56e-01	4.73e-01	1.72e-09	1.41e+00	5.73e-09	9.15e-02	1.36e-04	7.01e+00	1.23e-07	7.92e-02	2.07e+02	2.00e+00	8.63e-02	2.18e+00	1.32e-03
21	1.81e+00	5.55e-11	5.13e-01	4.71e-10	1.34e+00	7.56e-09	7.39e-02	4.82e-05	5.69e+00	6.97e-08	9.09e-02	5.15e+01	1.99e+00	7.86e-02	2.32e+00	1.75e-03
22	1.76e+00	2.35e-11	5.50e-01	3.27e-10	2.78e+00	3.75e-09	7.51e-02	1.52e-04	5.20e+00	2.17e-08	5.33e-02	7.03e+01	1.99e+00	8.99e-02	2.32e+00	3.23e-03
23	1.19e+00	4.96e-11	4.13e-01	3.70e-10	6.26e-01	3.20e-09	9.03e-02	1.48e-04	6.15e+00	7.76e-08	1.18e-01	3.79e+01	1.86e+00	5.18e-03	2.03e+00	1.30e-03
24	1.45e+00	5.55e-04	3.70e-01	4.76e-10	7.80e-01	1.44e-09	9.00e-02	1.28e-04	6.49e+00	4.77e-08	6.99e-02	1.10e+02	1.86e+00	1.07e-01	2.03e+00	1.23e-03
25	1.63e+00	4.55e-02	3.13e-01	4.74e-10	3.93e-01	4.97e-10	2.40e-01	1.62e-04	5.72e+00	5.27e-08	9.72e-02	1.11e+02	2.72e+00	4.79e-03	2.97e+00	2.09e-03
26	1.74e+00	1.96e-12	2.36e-01	4.26e-12	4.43e-01	5.05e-11	1.47e-01	1.61e-04	2.57e+00	1.86e-10	1.22e-01	1.10e-02	2.35e+00	6.01e-04	2.34e+00	2.69e-03
27	2.46e+00	1.92e-10	2.03e-01	2.73e-10	3.83e-01	1.55e-09	3.08e+00	1.21e+00	7.16e+00	3.60e-05	1.10e+01	1.32e+02	2.53e+00	5.57e-03	2.97e+00	1.51e-03
28	2.64e+00	2.69e-11	1.96e-01	5.09e-11	3.23e-01	7.68e-11	1.47e+00	1.32e-04	7.06e+00	3.62e-08	1.21e+01	6.68e+03	2.15e+00	6.67e-03	2.55e+00	1.71e-03
29	2.32e+00	1.29e-11	1.37e-01	1.60e-13	1.73e-01	8.59e-14	4.89e-01	1.24e-04	4.78e+00	8.09e-08	6.59e-08	1.69e+00	2.71e+00	4.37e-04	2.55e+00	1.69e-03
30	2.33e+00	2.49e-10	1.46e-01	3.23e-11	1.85e-01	1.24e-10	6.59e-01	1.08e-04	5.24e+00	2.90e-07	1.65e+00	1.11e+00	2.34e+00	2.13e-03	2.76e+00	1.74e-03
31	4.92e+00	1.44e-13	9.65e-02	0.00e+00	1.37e-01	0.00e+00	5.03e-01	1.43e-04	5.60e-01	2.17e-12	3.47e-01	2.42e-02	2.34e+00	3.94e-04	2.33e+00	1.32e-03
32	5.16e+00	1.16e-11	1.03e-01	2.55e-11	1.43e-01	9.30e-10	8.19e-01	1.20e-04	3.69e-02	NaN	1.56e-01	4.34e+01	3.10e+00	6.07e-03	3.17e+00	1.09e-02
33	1.62e+00	1.48e-11	2.50e-01	4.10e-11	3.73e-01	6.39e-10	4.81e-01	1.38e-04	5.12e+00	2.60e-08	7.33e-01	5.05e+01	2.72e+00	9.28e-03	2.76e+00	1.43e-03
34	1.28e+00	1.58e-11	2.56e-01	2.29e-10	3.33e-01	5.24e-10	3.96e-01	1.06e-04	4.99e+00	1.38e-08	1.60e-01	1.13e+01	2.53e+00	1.68e-03	2.76e+00	1.34e-03
35	2.64e+00	9.18e-11	8.30e-01	2.92e-09	2.03e+00	6.36e-09	1.04e-01	8.45e-05	6.45e+00	2.21e-08	1.76e-01	3.32e+01	3.51e+00	9.30e-02	3.38e+00	2.20e-03
36	1.44e+00	4.86e-11	9.97e-01	3.63e-10	3.39e+00	1.45e-09	1.11e-01	5.86e-05	6.13e+00	1.27e-07	1.66e-01	6.12e+01	3.29e+00	1.74e-01	3.17e+00	2.45e-03
37	2.35e+00	1.50e-09	4.55e+00	2.06e-09	1.05e+01	1.70e-08	1.04e-01	1.03e-04	6.16e+00	3.42e-07	1.09e-01	1.61e+02	3.72e+00	1.65e-02	3.58e+00	2.93e-03
38	2.32e+00	2.89e-10	2.78e+00	7.60e-10	1.07e+01	9.06e-09	9.71e-02	4.63e-05	5.99e+00	5.57e-08	1.05e-01	9.15e+01	3.94e+00	1.03e-02	3.16e+00	2.53e-03
39	2.41e+00	4.44e-11	2.00e+00	1.11e-09	7.60e+00	2.01e-09	1.01e-01	8.95e-05	5.82e+00	1.82e-08	9.61e-02	8.06e+01	3.94e+00	4.29e-03	3.59e+00	2.77e-03
40	1.49e+00	2.72e-11	1.50e+00	2.01e-09	2.55e+00	8.10e-09	9.74e-02	1.42e-04	6.43e+00	1.89e-07	1.44e-01	4.59e+01	3.51e+00	4.82e-02	3.38e+00	2.62e-03
41	2.61e+00	2.26e-10	3.22e+00	5.78e-10	4.52e+00	1.28e-09	1.10e-01	1.17e-04	6.31e+00	4.39e-08	1.35e-01	7.20e+01	3.51e+00	3.22e-03	3.17e+00	2.50e-03
42	1.43e+00	1.57e-10	2.34e+00	3.75e-10	2.78e+00	3.76e-09	1.09e-01	1.13e-04	5.97e+00	6.75e-08	1.68e-01	9.98e+01	3.08e+00	2.13e-03	2.96e+00	4.69e-03
43	3.52e+00	5.19e-11	7.60e-01	2.62e-10	2.05e+00	2.95e-09	1.03e-01	7.25e-05	5.67e+00	1.04e-08	1.79e-01	3.52e+01	2.71e+00	3.35e-02	2.97e+00	1.84e-02
44	1.88e+00	1.24e-10	1.19e+00	1.23e-09	4.60e+00	6.58e-09	1.22e-01	5.01e-05	5.93e+00	3.13e-08	1.57e-01	3.08e+00	2.69e-02	2.69e-02	3.39e+00	2.39e-03
45	2.47e+00	5.12e-11	1.90e+00	7.63e-10	7.05e+00	2.95e-09	1.19e-01	4.65e-05	5.89e+00	1.83e-08	1.12e-01	6.85e+01	3.51e+00	1.45e-01	3.63e+00	2.73e-03
46	2.41e+00	3.80e-11	9.20e-01	3.31e-10	3.38e+00	2.87e-09	1.26e-01	6.64e-05	5.56e+00	5.61e-09	1.45e-01	3.74e+01	3.94e+00	1.05e-02	3.80e+00	3.21e-03

47	1.30e+00	4.73e-11	7.13e-01	9.90e-10	3.37e+00	3.99e-09	1.17e-01	5.84e-05	7.02e+00	4.43e-07	1.66e-01	1.01e+02	3.76e+00	8.22e-02	3.38e+00	2.51e-03
48	1.40e+00	5.87e-12	7.36e-01	3.82e-11	3.38e+00	6.58e-10	1.38e-01	1.14e-04	5.00e+00	2.82e-08	2.16e-01	1.96e+01	3.08e+00	1.04e-01	3.38e+00	2.92e-03
49	6.81e+00	8.60e-12	1.40e-01	4.55e-13	2.16e-01	4.55e-13	8.02e-01	8.59e-05	4.23e+00	2.64e-08	2.92e-01	1.74e+00	3.67e+00	1.57e-03	3.33e+00	3.73e-03
50	6.81e+00	1.42e-11	1.50e-01	3.64e-12	1.93e-01	4.91e-11	8.25e-01	2.99e-04	6.83e-01	6.78e+03	2.76e-01	2.61e+01	3.93e+00	1.58e-02	3.88e+00	4.06e-03
51	1.26e+01	3.40e-10	1.17e-01	1.46e-11	1.43e-01	6.61e-12	1.09e+00	3.38e-04	4.34e+00	4.44e+00	3.54e-01	1.36e+01	4.19e+00	2.54e-03	3.60e+00	5.41e-03
52	1.32e+01	7.77e-11	1.07e-01	5.28e-11	1.46e-01	1.09e-11	1.17e+00	4.47e-04	1.58e+00	4.59e-07	2.13e-01	1.23e+02	3.93e+00	1.32e-01	4.14e+00	4.15e-03
53	3.95e+00	7.80e-11	2.22e-01	7.80e-11	3.53e-01	2.26e-09	1.81e+00	1.91e-04	7.76e+00	1.53e-07	1.62e+01	1.51e+05	3.42e+00	4.73e-03	3.88e+00	2.06e-03
54	3.81e+00	2.42e-11	3.50e-01	4.08e-11	3.43e-01	5.31e-11	1.31e+00	1.86e-04	6.36e+00	1.34e-05	1.62e+01	2.34e+03	3.67e+00	3.94e-03	3.33e+00	2.26e-03
55	6.36e+00	2.35e-11	1.46e-01	9.09e-13	2.13e-01	6.84e-12	9.34e-01	1.27e-04	5.94e+00	3.51e-06	1.06e+00	4.00e+00	3.42e+00	5.88e-04	3.33e+00	2.53e-03
56	6.43e+00	2.12e-12	1.57e-01	4.09e-12	2.07e-01	7.28e-12	7.97e-01	1.90e-04	1.01e+00	1.12e-04	1.62e+01	4.98e+02	3.41e+00	5.75e-04	3.05e+00	2.28e-03
57	3.37e+00	1.92e-11	2.03e-01	1.82e-11	3.17e-01	6.18e-11	5.52e-01	1.29e-04	5.52e+00	3.23e-09	2.18e-01	1.80e+01	3.69e+00	1.04e-03	3.88e+00	2.35e-03
58	4.60e+00	1.87e-11	2.03e-01	3.57e-11	3.66e-01	2.68e-09	1.05e+00	1.81e-04	6.14e+00	7.29e-07	3.06e-01	5.52e+01	4.19e+00	5.36e-02	4.43e+00	3.19e-03
59	2.02e+00	7.53e-11	1.37e+00	8.05e-10	1.21e+01	7.88e-09	1.45e-01	1.34e-04	6.52e+00	3.48e-08	4.81e-01	2.31e+01	4.18e+00	2.90e-02	4.41e+00	3.32e-03
60	1.74e+00	4.90e-11	1.65e+00	3.81e-10	3.63e+00	2.36e-09	1.44e-01	1.52e-04	7.11e+00	2.55e-08	2.30e-01	1.09e+02	3.67e+00	1.50e-02	4.14e+00	3.40e-03
61	1.69e+00	4.37e-11	4.64e+00	1.06e-10	1.45e+01	9.43e-10	1.35e-01	5.72e-05	4.40e+00	8.66e-09	2.36e-01	1.98e+01	4.44e+00	4.06e-03	4.40e+00	4.38e-03
62	2.07e+00	3.83e-10	7.95e+00	7.91e-10	3.28e+01	4.93e-09	1.51e-01	1.29e-04	6.38e+00	9.65e-07	2.77e-01	1.74e+01	4.43e+00	3.38e-02	4.67e+00	2.03e-02
63	3.33e+00	2.79e-11	2.65e+00	3.35e-10	8.02e+00	1.78e-09	1.26e-01	1.22e-04	6.16e+00	1.74e-06	2.20e-01	2.24e+01	4.18e+00	9.12e-02	4.14e+00	3.64e-03
64	3.26e+00	5.40e-11	1.97e+00	4.60e-09	9.92e+00	4.31e-09	1.28e-01	1.16e-04	6.30e+00	1.73e-08	2.12e-01	1.64e+02	4.18e+00	3.15e-02	4.41e+00	3.50e-03
65	2.24e+00	9.05e-04	3.90e+00	7.71e-10	8.92e+00	3.03e-09	1.46e-01	1.46e-04	6.53e+00	4.18e-07	2.03e-01	8.40e+01	4.19e+00	6.74e-03	4.14e+00	5.90e-03
66	2.35e+00	2.83e-04	5.03e+00	1.16e-09	1.37e+01	8.58e-09	1.70e-01	1.41e-04	6.77e+00	8.23e-08	2.30e-01	3.52e+01	4.43e+00	1.20e-01	4.14e+00	3.61e-03
67	2.94e+00	2.36e-10	1.99e+00	6.82e-10	4.67e+00	4.46e-09	1.69e-01	7.65e-05	6.69e+00	4.99e-08	2.13e-01	1.47e+02	4.43e+00	1.97e-02	4.42e+00	4.01e-03
68	3.22e+00	3.76e-11	1.57e+00	6.63e-10	4.65e+00	5.69e-09	1.49e-01	1.01e-04	6.26e+00	1.73e-07	2.10e-01	9.98e+01	3.92e+00	2.24e-02	4.15e+00	3.32e-03
69	3.28e+00	2.22e-11	1.22e+00	8.74e-10	3.27e+00	2.82e-09	1.31e-01	1.20e-04	6.09e+00	2.14e-08	1.90e-01	1.03e+02	4.18e+00	2.31e+00	4.73e+00	3.66e-03
70	3.22e+00	4.63e-11	2.17e+00	3.27e-10	1.35e+01	9.82e-09	1.50e-01	1.03e-04	6.11e+00	7.76e-06	1.80e-01	9.46e+01	4.72e+00	4.17e-02	4.96e+00	4.24e-03
71	3.58e+00	2.09e-11	1.07e+00	7.97e-10	3.54e+00	1.65e-09	1.46e-01	6.96e-05	6.99e+00	3.50e-08	2.11e-01	9.00e+01	4.43e+00	2.07e-02	4.41e+00	8.07e-03
72	1.71e+00	9.58e-12	1.06e+00	1.08e-10	3.08e+00	1.64e-10	1.26e-01	1.05e-04	5.10e+00	8.79e-08	1.92e-01	2.26e+01	3.68e+00	5.61e-03	3.87e+00	6.87e-03
73	1.63e+01	2.64e-12	3.66e-01	2.27e-13	5.36e-01	5.03e-13	1.93e+00	2.56e-04	3.68e+00	4.49e-09	1.40e+00	2.70e-03	7.92e+00	1.09e-03	6.02e+00	5.36e-03
74	1.58e+01	1.96e-12	3.90e-01	1.14e-13	5.47e-01	5.68e-14	2.22e+00	3.23e-04	5.48e+00	6.35e-06	2.28e+00	1.72e+00	1.01e+01	3.52e-03	7.64e+00	7.48e-03
75	1.05e+01	4.04e-10	5.46e-01	3.52e-10	8.57e-01	4.73e-09	5.46e+00	2.10e-04	6.15e+01	2.43e-06	4.59e+01	1.44e+06	1.28e+01	4.09e-03	1.34e+01	1.05e-03
76	7.51e+00	1.35e-10	9.76e-01	5.60e-10	1.38e+00	1.08e-09	3.95e+00	1.37e-04	6.62e+01	1.65e-06	4.60e+01	8.45e+05	1.19e+01	1.52e-01	1.34e+01	1.16e-03
77	3.64e+00	2.27e-13	6.32e-02	0.00e+00	6.00e-02	0.00e+00	1.37e+00	4.14e-04	1.44e+00	5.03e+03	4.61e+01	2.16e+04	1.29e+01	8.69e-04	1.03e+01	1.13e-03
78	4.60e+00	2.01e-10	6.00e-02	0.00e+00	6.65e-02	0.00e+00	6.03e+00	2.66e-04	2.93e+00	1.95e-10	4.61e+01	2.03e+06	1.76e+01	4.24e-03	1.55e+01	3.10e-03
79	8.38e+00	4.91e-06	8.50e-01	3.27e-08	1.46e+00	1.22e-08	1.85e+00	9.24e-05	3.96e+01	5.67e-06	4.60e+01	4.70e+01	1.40e+01	8.47e-04	1.44e+01	8.83e-04
80	7.46e+00	9.63e-11	1.08e+00	1.20e-09	7.80e-01	3.41e-09	3.21e+00	1.32e-04	3.95e+01	5.44e-06	4.60e+01	5.69e+06	1.69e+01	1.10e-02	1.54e+01	2.24e-03
81	8.06e+00	1.93e-03	6.00e-01	3.86e-10	1.20e+00	3.05e-09	2.81e-01	1.23e-04	3.85e+01	4.77e-08	3.97e-01	6.87e+01	1.56e+01	1.50e-02	1.74e+01	2.30e-03
82	8.07e+00	6.03e-11	6.23e-01	1.04e-10	1.14e+00	2.01e-09	2.80e-01	8.72e-05	3.16e+01	3.52e-09	4.07e-01	6.33e+01	1.58e+01	7.48e-03	1.64e+01	2.23e-03
83	7.09e+00	3.73e-11	3.47e+00	1.27e-09	1.24e+01	3.31e-09	2.74e-01	9.24e-05	3.97e+01	6.30e-09	5.76e-01	1.40e+01	1.27e+01	4.20e-03	1.44e+01	1.51e-03
84	7.58e+00	6.94e-11	3.97e+00	1.13e-09	1.81e+01	8.87e-09	2.74e-01	1.13e-04	5.53e+01	1.00e-06	3.63e-01	9.24e+01	1.56e+01	1.81e-01	1.54e+01	1.50e-03
85	5.45e+00	5.22e-11	1.41e+01	2.90e-09	4.45e+01	2.08e-08	2.59e-01	1.14e-04	4.08e+01	3.04e-08	2.71e-01	2.12e+02	1.56e+01	5.47e-03	1.63e+01	1.96e-03
86	5.91e+00	1.50e-10	1.72e+01	1.83e-09	9.01e+01	2.92e-08	2.69e-01	1.25e-04	3.90e+01	1.31e-06	3.58e-01	1.72e+02	1.75e+01	5.72e-03	1.64e+01	2.02e-03
87	6.04e+00	3.79e-11	5.75e+00	1.30e-09	1.57e+01	3.98e-09	2.58e-01	7.31e-05	3.91e+01	6.74e-07	3.12e-01	9.26e+01	1.65e+01	4.15e-03	1.63e+01	1.99e-03
88	6.17e+00	5.19e-03	5.15e+00	1.33e-09	2.25e+01	6.04e-09	2.63e-01	8.19e-05	4.24e+01	1.18e-07	3.35e-01	1.47e+02	1.46e+01	3.03e-02	1.63e+01	2.08e-03
89	5.82e+00	4.24e-11	5.64e+00	6.55e-10	2.20e+01	1.25e-08	2.84e-01	6.08e-05	3.53e+01	4.70e-08	6.05e-01	3.77e+01	1.65e+01	3.24e-03	1.64e+01	6.70e-03
90	5.59e+00	1.49e-10	5.85e+00	2.36e-09	2.17e+01	1.39e-08	2.69e-01	9.16e-05	4.21e+01	6.27e-08	3.02e-01	1.81e+02	1.55e+01	7.87e-03	1.64e+01	2.19e-03
91	7.41e+00	2.96e-11	1.03e+01	1.29e-09	2.48e+01	7.03e-09	2.94e-01	1.31e-04	4.51e+01	1.88e-08	5.64e-01	3.60e+01	1.46e+01	4.71e-03	1.54e+01	3.22e-03
92	7.32e+00	4.62e-11	1.10e+01	8.40e-09	3.94e+01	1.30e-08	2.99e-01	1.42e-04	4.83e+01	3.23e-08	6.15e-01	6.69e+01	1.37e+01	7.61e-02	1.54e+01	1.63e-03
93	7.55e+00	1.50e-10	2.39e+00	9.88e-10	9.74e+00	7.36e-09	3.16e-01	1.09e-04	4.95e+01	1.32e-07	3.74e-01	1.35e+02	1.37e+01	2.82e-02	1.54e+01	1.85e-03
94	7.72e+00	3.53e-11	3.28e+00	2.91e-09	1.66e+01	1.53e-09	2.95e-01	1.48e-04	4.13e+01	1.09e-08	6.65e-01	5.70e+01	1.46e+01	9.87e-02	1.54e+01	4.09e-03
95	6.04e+00	7.59e-03	5.87e+00	4.09e-09	2.36e+01	1.37e-08	2.86e-01	4.36e-05	4.28e+01	2.18e-07	2.70e-01	1.57e+02	1.46e+01	1.64e-01	1.74e+01	2.14e-03
96	5.94e+00	9.45e-03	4.03e+00	1.06e-09	2.62e+01	8.97e-09	2.79e-01	5.59e-05	4.15e+01	1.14e-07	4.31e-01	3.82e+01	1.56e+01	3.40e-02	1.74e+01	2.19e-03
97	7.59e+00	5.08e-11	2.93e+00	1.02e-08	8.44e+00	1.01e-09	2.93e-01	5.77e-05	5.04e+01	2.33e-07	7.86e-01	5.50e+01	1.28e+01	8.71e-01	1.54e+01	1.56e-03
98	7.71e+00	6.05e-11	2.25e+00	7.06e-10	6.00e+00	1.27e-09	2.82e-01	1.50e-04	4.40e+01	2.07e-07	6.73e-01	7.28e+01	1.65e+01	2.51e-02	1.55e+01	1.52e-03
99	1.13e+01	3.13e-11	1.61e+00	4.49e-10	2.56e+00	8.99e-10	8.03e-01	2.11e-04	3.76e+01	1.69e-07	7.61e-01	1.04e+01	2.13e+01	3.31e-02	2.24e+01	2.18e-03
100	1.58e+01	1.30e-11	1.13e+00	2.59e-11	1.69e+00	2.47e-10	1.23e+00	2.11e-04	3.82e+01	2.72e-08	6.90e-01	5.31e+00	2.26e+01	3.66e-02	2.39e+01	3.66e-03
101	1.40e+01	4.52e-10	1.01e+00	2.50e-10	1.65e+00	1.50e-08	1.21e+01	1.13e-02	6.29e+01	7.45e-05	6.58e+01	5.73e+07	1.84e+01	5.80e-01	2.09e+01	1.68e-03

102	1.41e+01	1.54e-10	1.06e+00	3.25e-10	1.58e+00	1.30e-08	2.15e+01	5.28e+00	5.19e+01	6.65e-07	6.64e+01	7.24e+04	1.71e+01	2.08e-03	1.95e+01	1.93e-03
103	1.29e+01	2.04e-11	6.80e-01	1.82e-12	1.04e+00	6.92e-13	1.64e+00	8.60e-05	3.43e+01	1.73e-05	7.19e-01	1.54e+01	1.98e+01	7.39e-02	2.09e+01	1.60e-03
104	1.25e+01	4.64e-11	7.30e-01	1.95e-10	1.16e+00	5.30e-10	2.75e+00	1.25e-04	4.94e+00	5.31e+03	2.82e+00	3.53e+01	2.12e+01	9.54e-04	2.24e+01	2.04e-03
105	2.13e+01	2.19e-11	5.10e-01	2.18e-11	7.00e-01	6.00e-11	1.62e+00	1.68e-04	1.81e+01	2.10e-09	5.23e-01	3.29e+01	1.58e+01	7.05e-03	1.79e+01	1.12e-03
106	2.27e+01	6.62e-11	5.10e-01	3.37e-11	7.17e-01	2.38e-11	5.03e+00	1.15e-04	2.04e-01	NaN	1.02e+00	7.32e+01	2.12e+01	1.28e-01	2.39e+01	2.66e-03
107	8.45e+00	2.14e-11	1.75e+00	6.35e-10	2.04e+00	5.43e-09	2.83e+00	8.55e-05	3.61e+01		2.27e-08	5.40e+00	1.99e+01	1.83e-02	2.09e+01	1.71e-03
108	1.04e+01	3.75e-11	1.59e+00	3.59e-10	3.12e+00	2.13e-10	2.72e+00	1.29e-04	3.06e+01	4.38e-09	3.30e+00	8.70e+00	1.99e+01	6.92e-04	2.09e+01	8.00e-03
109	9.51e+00	1.53e-10	1.09e+01	1.29e-09	2.97e+01	4.46e-09	4.02e-01	1.03e-04	5.08e+01	2.32e-05	7.63e-01	9.91e+01	2.39e+01	2.27e-02	2.38e+01	2.70e-03
110	9.04e+00	1.06e-10	9.24e+00	2.91e-09	4.21e+01	1.12e-08	5.10e-01	1.11e-04	5.10e+01	1.67e-07	8.64e-01	1.51e+02	2.12e+01	2.16e-01	2.68e+01	3.16e-03
111	8.17e+00	8.31e-11	4.34e+01	3.43e-09	1.13e+02	2.59e-08	3.62e-01	1.49e-04	4.31e+01	1.68e-07	9.06e-01	1.87e+01	2.39e+01	9.04e-03	2.38e+01	1.51e-02
112	7.65e+00	1.06e-10	2.97e+01	1.86e-09	1.01e+02	8.78e-09	4.27e-01	9.99e-05	4.33e+01	4.55e-08	1.22e+00	9.66e+01	2.39e+01	3.79e-03	2.67e+01	3.61e-03
113	7.81e+00	7.70e-11	1.32e+01	3.46e-09	5.61e+01	5.66e-09	3.76e-01	5.83e-05	4.22e+01	1.11e-07	7.25e-01	1.11e+02	2.26e+01	4.00e-02	2.38e+01	3.39e-03
114	8.38e+00	4.77e-11	9.84e+00	1.09e-09	1.87e+01	3.00e-08	4.77e-01	1.28e-04	4.03e+01	7.35e-08	5.12e-01	9.05e+01	2.93e+01	2.93e-02	2.82e+01	4.37e-03
115	9.48e+00	5.18e-11	2.38e+01	4.49e-09	5.81e+01	1.12e-08	4.34e-01	1.06e-04	5.52e+01	1.57e-07	7.50e-01	9.07e+01	2.52e+01	2.89e-02	2.39e+01	2.65e-03
116	9.61e+00	2.30e-11	3.82e+01	1.11e-09	1.02e+02	7.08e-09	4.34e-01	1.04e-04	4.28e+01	7.58e-09	7.24e-01	6.52e+01	2.12e+01	4.02e-02	2.53e+01	3.08e-03
117	1.26e+01	1.22e-10	9.16e+00	1.20e-09	5.20e+01	7.20e-09	4.28e-01	1.31e-04	4.70e+01	1.98e-07	1.02e+00	6.98e+01	2.25e+01	1.49e-02	2.38e+01	2.90e-03
118	1.23e+01	3.36e-04	1.24e+01	4.64e-10	6.54e+01	8.90e-09	4.79e-01	1.29e-04	3.80e+01	1.56e-08	1.16e+00	5.45e+01	2.25e+01	7.24e-02	2.38e+01	8.27e-03
119	7.80e+00	8.16e-03	1.30e+01	4.70e-09	4.18e+01	2.77e-08	4.18e-01	4.13e-05	4.56e+01	5.58e-08	9.79e-01	1.31e+02	2.26e+01	4.05e-01	2.39e+01	6.32e-03
120	8.36e+00	1.08e-10	1.07e+01	1.04e-09	6.34e+01	2.16e-09	4.05e-01	8.16e-05	4.49e+01	1.21e-07	5.61e-01	1.13e+02	2.94e+01	1.78e-02	2.53e+01	1.24e-02
121	8.94e+00	1.41e-03	5.78e+00	8.33e-10	3.08e+01	7.28e-09	4.26e-01	1.41e-04	4.75e+01	1.26e-07	6.79e-01	1.83e+02	2.25e+01	1.39e+00	2.53e+01	2.79e-03
122	9.27e+00	1.27e-11	6.76e+00	3.64e-10	2.29e+01	1.73e-09	4.33e-01	1.00e-04	3.74e+01	2.65e-09	8.21e-01	3.50e+01	2.25e+01	1.06e-02	2.38e+01	2.98e-03
123	3.30e+01	9.71e-12	7.73e-01	3.23e-12	1.15e+00	1.82e-12	1.08e+01	1.42e-04	4.13e+01	2.41e-07	1.73e+00	7.32e+00	2.99e+01	6.42e-03	2.93e+01	4.36e-03
124	3.34e+01	1.53e-11	7.90e-01	1.23e-10	1.16e+00	3.68e-12	3.35e+00	1.43e-04	3.16e+00	6.75e+04	2.71e+00	3.88e+00	3.17e+01	1.54e-01	3.12e+01	4.42e-03
125	6.75e+01	1.35e-11	5.80e-01	5.56e-11	7.39e-01	6.97e-11	6.21e+00	4.86e-04	2.91e+00	1.25e-09	1.23e+01	1.31e+00	2.81e+01	1.10e+00	2.93e+01	4.13e-03
126	5.90e+01	1.02e-10	6.33e-01	3.94e-11	8.00e-01	5.24e-10	6.30e+00	3.48e-04	1.94e+01	3.42e-09	1.81e+00	5.11e+01	3.00e+01	4.79e-03	3.13e+01	4.68e-03
127	2.10e+01	5.45e-11	9.37e-01	5.47e-11	1.56e+00	6.01e-11	2.40e+01	2.06e+00	5.88e+01	2.56e-06	8.36e+01	1.26e+06	2.63e+01	5.65e-02	2.93e+01	2.24e-03
128	1.88e+01	5.59e-11	2.37e+00	1.22e-10	4.00e+00	2.56e-10	1.07e+01	1.33e-04	6.30e+01	6.46e-07	8.30e+01	3.35e+06	2.27e+01	5.59e-02	2.54e+01	1.36e-02
129	3.29e+01	4.10e-11	8.10e-01	1.46e-11	1.20e+00	1.38e-10	5.67e+00	3.48e-04	4.22e+01	1.24e-07	8.33e+01	1.03e+03	2.62e+01	3.20e-02	2.74e+01	3.31e-03
130	3.25e+01	8.39e-11	7.87e-01	1.97e-09	1.15e+00	1.24e-10	6.35e+00	1.11e-04	5.16e+01	2.02e-06	2.83e+01	1.98e+01	2.80e+01	6.82e-01	2.73e+01	2.50e-03
131	1.97e+01	1.46e-11	1.09e+00	1.89e-11	1.51e+00	2.97e-11	1.03e+01	5.85e+01	3.02e+01	7.86e-10	7.56e+00	5.56e+00	2.64e+01	1.01e-02	2.54e+01	2.54e-03
132	2.16e+01	1.97e-12	1.07e+00	6.25e-13	1.48e+00	4.23e-12	8.42e+00	6.46e-02	3.39e+00	4.78e-11	8.58e-01	2.36e+01	3.17e+01	2.69e-03	3.13e+01	3.73e-03
133	1.09e+01	7.47e-12	1.17e+01	2.70e-10	3.53e+01	9.70e-10	5.18e-01	1.08e-04	3.35e+01	3.65e-10	1.90e+00	9.44e+00	2.62e+01	2.18e-02	3.12e+01	3.97e-03
134	1.10e+01	1.42e-03	1.12e+01	1.03e-09	6.50e+01	6.25e-09	5.94e-01	1.14e-04	5.96e+01	1.64e-07	2.00e+00	8.36e+01	3.16e+01	1.43e+00	3.50e+01	3.80e-03
135	1.10e+01	6.66e-11	6.09e+01	1.27e-09	1.46e+02	8.34e-08	5.21e-01	1.30e-04	5.01e+01	4.04e-08	1.76e+00	5.23e+01	3.53e+01	4.02e-01	3.50e+01	4.09e-03
136	1.04e+01	6.93e-11	5.83e+01	1.97e-09	1.60e+02	2.37e-08	5.40e-01	8.04e-05	5.01e+01	4.40e-07	1.12e+00	1.43e+02	3.70e+01	3.76e-03	3.31e+01	6.57e-03
137	1.06e+01	2.13e-11	2.87e+01	2.77e-09	3.98e+01	8.28e-08	5.37e-01	4.56e-05	4.80e+01	6.99e-08	1.79e+00	4.00e+01	2.99e+01	7.75e-02	3.31e+01	4.51e-03
138	1.00e+01	6.87e-03	1.56e+01	1.35e-09	3.79e+01	1.19e-08	5.83e-01	6.15e-05	5.29e+01	3.35e-07	2.01e+00	9.86e+01	3.16e+01	5.96e-02	3.31e+01	1.29e-02
139	1.19e+01	7.38e-04	6.03e+01	1.84e-09	1.65e+02	7.60e-09	5.72e-01	1.45e-04	4.96e+01	5.15e-08	1.25e+00	6.87e+01	2.98e+01	3.46e-02	3.32e+01	4.01e-03
140	1.18e+01	1.81e-11	3.71e+01	4.15e-10	6.48e+01	2.77e-09	5.44e-01	7.96e-05	4.28e+01	4.18e-09	1.44e+00	2.91e+01	3.16e+01	4.09e-02	3.12e+01	4.07e-03
141	1.28e+01	8.25e-11	1.26e+01	8.36e-10	6.43e+01	1.25e-08	5.29e-01	9.54e-05	5.41e+01	2.55e-07	1.26e+00	1.25e+02	2.45e+01	2.04e-01	2.93e+01	3.65e-03
142	1.47e+01	1.83e-10	8.48e+00	1.76e-08	2.35e+01	1.12e-08	5.11e-01	7.71e-05	5.48e+01	4.71e-08	1.46e+00	1.15e+02	2.99e+01	1.09e-01	3.13e+01	3.65e-03
143	1.10e+01	4.14e-11	7.00e+00	1.34e-09	4.22e+01	2.55e-09	5.37e-01	5.59e-05	4.60e+01	1.08e-07	1.85e+00	3.91e+01	2.97e+01	3.83e+00	3.32e+01	4.08e-03
144	1.09e+01	2.37e-11	1.12e+01	3.64e-10	6.88e+01	4.17e-09	5.89e-01	4.98e-05	3.78e+01	3.01e-09	8.74e-01	6.86e+01	3.70e+01	1.75e-02	3.51e+01	5.14e-03
145	1.16e+01	2.21e-11	8.81e+00	3.17e-10	3.88e+01	2.68e-09	5.28e-01	1.35e-04	4.75e+01	1.59e-08	2.75e+00	9.65e+00	3.16e+01	1.99e-02	3.32e+01	3.99e-03
146	1.10e+01	8.69e-11	7.33e+00	1.92e-09	4.55e+01	5.27e-09	5.83e-01	1.45e-04	5.16e+01	2.65e-07	1.07e+00	2.12e+02	2.98e+01	1.99e-01	3.13e+01	3.93e-03
147	6.41e+01	1.96e-11	2.13e+00	3.64e-11	2.84e+00	2.19e-10	6.91e+00	2.90e-04	1.92e+01	2.14e-08	8.64e+00	6.54e+00	7.23e+01	1.59e-02	5.34e+01	1.14e-02
148	6.25e+01	1.38e-11	2.17e+00	1.20e-11	2.96e+00	1.69e-11	1.29e+01	5.27e-04	1.12e+01	2.97e-03	4.03e+00	1.23e+02	7.96e+01	6.16e-02	7.61e+01	8.07e-03
149	1.43e+01	6.20e-11	2.62e-02	7.28e-12	3.63e-02	7.10e-15	7.27e-01	2.60e-04	4.02e+01	1.84e-10	6.15e-02	1.80e-01	5.39e-01	3.32e-01	8.19e+00	6.39e-04
150	1.51e+01	1.63e-11	2.00e-02	7.28e-12	3.63e-02	7.28e-12	7.91e-01	5.34e-04	7.43e+01	4.60e-10	2.83e-01	5.46e+00	5.71e-01	3.28e+00	8.82e+00	1.39e-03
151	1.59e+01	2.52e-10	1.26e-02	7.28e-12	2.29e-02	7.28e-12	1.21e-01	7.36e-05	2.35e+00	8.38e-04	5.45e-02	2.13e+01	4.83e-01	3.27e+02	1.14e+01	2.69e-03
152	1.66e+01	2.23e-10	2.00e-02	1.46e-11	2.29e-02	1.46e-11	1.21e-01	1.10e-04	1.21e+00	4.98e+03	4.46e-02	1.98e+01	6.88e-01	9.83e+02	1.14e+01	2.81e-03
153	1.12e+01	4.55e-12	1.00e-02	1.82e-12	2.00e-02	1.82e-12	6.74e-02	7.92e-05	5.01e-01	8.44e+03	3.50e+00	1.47e+04	9.46e-02	6.91e-01	2.38e+00	6.71e-04
154	1.22e+01	5.55e-10	1.00e-02	1.46e-11	3.00e-02	1.29e-10	3.84e+00	9.46e-01	1.40e+00	3.03e-03	3.70e+00	1.63e+06	2.48e-01	8.37e+03	4.80e+01	3.73e-03
155	8.34e+00	1.82e-12	1.26e-02	0.00e+00	2.00e-02	0.00e+00	4.44e-01	2.48e-04	4.12e-01	7.46e+02	3.03e+00	7.79e+04	9.53e-02	2.28e+00	1.16e-01	1.20e-03
156	1.29e+01	5.14e-01	0.00e+00	0.00e+00	1.82e-02	0.00e+00	1.93e+00	8.33e-01	1.62e+00	3.48e-10	3.17e+00	6.40e+06	2.92e-01	8.04e+03	6.25e-01	3.59e-03

157	2.78e+01	1.46e-11	3.00e-02	1.82e-12	4.64e-02	1.82e-12	1.06e+00	3.48e-04	2.00e+01	1.17e-08	8.81e-01	1.36e+00	2.49e-01	5.06e+01	8.93e+00	1.72e-03
158	3.14e+01	2.89e-10	2.62e-02	2.91e-11	5.00e-02	1.46e-11	8.16e+00	2.13e+01	1.29e+00	6.14e+01	2.38e-01	4.25e+01	4.58e-01	5.19e+03	1.24e+01	6.73e-03
159	3.13e+01	7.17e-12	2.29e-02	0.00e+00	2.52e-02	0.00e+00	9.19e-01	2.68e-04	6.31e-01	4.51e+02	1.10e+00	1.39e-01	1.78e-01	2.08e+01	8.26e+00	1.96e-03
160	3.53e+01	9.19e-01	2.62e-02	0.00e+00	5.00e-02	0.00e+00	6.63e+00	7.14e+01	1.88e+00	1.87e-10	5.08e+00	5.62e+01	3.69e-01	1.01e+04	1.23e+01	6.13e-03
161	2.76e+01	4.57e-13	2.00e-02	4.55e-13	2.29e-02	4.55e-13	1.18e+00	3.89e-03	5.54e-01	2.20e-01	1.53e+00	7.35e-02	2.45e-01	4.30e-01	2.19e-01	7.88e-03
162	3.19e+01	7.86e-01	1.59e-02	3.64e-12	4.00e-02	3.64e-12	1.16e+00	1.64e-04	5.89e-01	1.69e+03	3.97e+00	3.61e-01	2.07e-01	1.17e+01	2.65e-01	7.39e-03
163	2.14e+01	1.16e-10	2.00e-02	3.64e-12	2.29e-02	3.64e-12	1.38e+00	2.70e-04	5.69e-01	7.30e+03	4.02e+00	1.29e+04	1.62e-01	9.74e+00	7.71e+00	6.91e-03
164	3.01e+01	2.45e+00	2.29e-02	7.28e-12	2.88e-02	7.28e-12	6.83e+00	2.51e+04	4.78e+00	3.85e+03	4.61e+00	5.52e+06	2.71e-01	5.40e+04	5.60e+01	3.55e-02
165	5.50e+01	9.72e-13	3.30e-02	5.35e-12	5.94e-02	1.82e-12	3.00e+00	1.41e+01	8.41e-01	5.25e+04	6.42e-01	1.17e-01	1.17e-01	3.66e+03	1.01e+01	5.09e-03
166	6.30e+01	7.87e-11	3.30e-02	1.46e-11	6.65e-02	1.46e-11	1.05e+01	4.67e+01	1.72e+00	9.20e-02	1.71e-01	9.66e+01	1.02e+00	1.20e+04	1.35e+01	9.51e-03
167	5.00e+01	1.48e-11	3.00e-02	0.00e+00	4.64e-02	0.00e+00	1.15e+00	5.98e-04	7.52e-01	4.01e-03	7.87e-01	2.33e+00	9.97e-02	1.17e+04	3.17e-01	6.14e-03
168	6.26e+01	1.26e+01	3.00e-02	5.82e-11	3.30e-02	1.46e-11	8.72e+00	1.39e+04	3.22e+00	4.41e+03	1.81e-01	1.33e+02	2.35e-01	1.20e+05	4.16e-01	3.15e-02
169	4.61e+01	1.00e-12	4.00e-02	9.09e-13	4.31e-02	3.42e-12	1.72e+00	1.45e-04	8.91e-01	2.31e+02	7.05e-01	1.36e+00	2.68e-01	1.34e+01	8.58e+00	2.25e-02
170	5.64e+01	2.96e-11	3.63e-02	1.14e-13	5.94e-02	8.35e-14	9.56e+00	1.56e+03	1.73e+00	1.92e+04	4.48e-01	3.57e+01	7.17e-01	8.30e+03	1.28e+01	6.85e-03
171	4.62e+01	9.37e-13	3.30e-02	4.00e-16	4.93e-02	4.00e-16	1.57e+00	3.01e-02	7.53e-01	1.82e+02	2.20e+00	1.50e+00	1.62e-01	1.50e+02	1.04e+01	6.40e-03
172	6.31e+01	1.88e+00	4.00e-02	2.27e-13	4.93e-02	2.27e-13	1.07e+01	1.39e+03	2.30e+00	1.35e-03	6.06e+00	2.69e+01	4.70e-01	2.28e+04	1.31e+01	2.96e-02
173	1.03e+02	1.15e-10	4.64e-02	1.80e-15	8.96e-02	1.80e-15	4.53e+00	1.22e-02	1.08e+00	7.53e-09	4.30e-01	2.71e+00	1.58e-01	6.53e+03	1.08e+01	8.46e-03
174	1.44e+02	8.89e-10	5.00e-02	2.91e-11	9.32e-02	2.74e-11	1.70e+01	2.53e+03	2.45e+00	3.96e-03	1.03e+01	6.20e+03	1.00e+00	5.26e+04	1.45e+01	3.22e-02
175	2.03e+02	1.98e-12	2.94e-01	9.00e-16	4.00e-01	1.16e-11	9.67e+00	4.55e-04	9.80e+01	1.30e-09	1.41e+01	1.98e-01	4.00e+00	4.31e+00	4.85e+02	6.26e-04
176	2.06e+02	7.43e-10	2.77e-01	9.09e-13	4.23e-01	9.09e-13	3.11e+01	2.66e-02	1.20e+03	1.15e-08	4.56e+01	1.44e+06	3.58e+00	2.27e+03	4.85e+02	7.30e-03
177	2.17e+02	8.41e-10	2.50e-01	7.28e-12	3.60e-01	7.28e-12	8.07e-01	1.09e-04	1.12e+01	5.98e-06	4.85e-01	4.56e+01	4.23e+00	4.25e+03	7.47e+02	2.40e-02
178	2.17e+02	2.45e-10	2.49e-01	1.46e-11	4.00e-01	1.46e-11	8.61e-01	9.49e-05	1.46e+01	1.05e-06	7.59e-01	2.72e+01	4.05e+00	4.22e+03	7.47e+02	3.56e-03
179	1.21e+02	1.03e-11	8.32e-02	7.28e-12	1.26e-01	7.28e-12	1.67e+00	1.67e-04	1.29e+00	1.00e+02	1.30e+01	2.75e+05	5.43e-01	7.08e+01	7.00e+01	1.03e-03
180	1.54e+02	3.13e-10	7.65e-02	1.46e-11	1.45e-01	1.37e-10	2.53e+01	7.37e+02	1.41e+01	1.80e+00	1.39e+01	8.46e+06	1.04e+00	1.33e+04	1.35e+03	5.74e-03
181	9.33e+01	7.28e-12	6.65e-02	7.28e-12	1.00e-01	0.00e+00	1.61e+00	1.91e-04	1.39e+00	8.22e+02	1.09e+01	1.13e+05	3.39e-01	2.51e+01	6.12e-01	1.20e-03
182	1.07e+02	5.58e-11	7.32e-02	0.00e+00	1.10e-01	0.00e+00	1.79e+01	2.38e+02	1.69e+01	3.39e+03	1.14e+01	9.19e+05	7.83e-01	1.16e+04	6.82e+00	5.46e-03
183	4.36e+02	4.38e-11	3.09e-01	1.82e-12	4.57e-01	4.18e-13	5.65e+00	3.62e-04	3.52e+00	2.67e+00	5.43e+01	6.44e+04	2.32e+00	2.67e+01	6.60e+02	2.01e-03
184	4.60e+02	1.15e-09	2.97e-01	2.27e-13	4.39e-01	2.27e-13	5.00e+00	2.26e-04	5.86e+00	1.57e-11	5.39e+01	9.32e+02	2.35e+00	1.64e-03	4.85e+02	1.08e-02
185	3.46e+02	2.74e-11	3.17e-01	3.64e-12	4.63e-01	3.64e-12	6.03e+00	2.77e-04	3.44e+00	2.64e+04	5.24e+01	2.71e+05	1.36e+00	1.57e+01	5.72e+02	2.07e-03
186	4.47e+02	4.33e-10	3.17e-01	1.46e-11	4.53e-01	1.46e-11	5.21e+01	1.51e+02	7.47e+00	2.23e+03	5.21e+01	3.70e+06	7.01e+00	7.48e+03	8.34e+02	6.28e-03
187	3.00e+02	1.04e-11	9.32e-02	7.28e-12	1.53e-01	7.28e-12	7.02e+00	1.24e-04	1.87e+00	9.59e+02	1.46e+01	7.58e+04	1.06e+00	1.57e+00	1.04e+00	7.11e-03
188	2.81e+02	3.94e-11	9.00e-02	1.82e-12	1.43e-01	4.55e-13	1.04e+01	9.02e+00	1.92e+00	2.92e+00	1.46e+01	7.58e+04	1.30e+00	1.11e+01	1.12e+00	3.88e-02
189	1.89e+02	1.02e-12	1.00e-01	4.55e-13	1.63e-01	4.55e-13	3.99e+00	3.40e-04	1.92e+00	5.81e+01	1.48e+01	1.44e+04	7.35e-01	3.09e-01	9.73e+01	6.37e-03
190	3.40e+02	2.34e+00	1.03e-01	1.46e-11	1.63e-01	1.46e-11	1.92e+01	1.74e+05	7.60e+01	7.45e+04	1.67e+01	7.27e+06	1.50e+00	1.63e+05	1.51e+03	5.56e-02
191	7.01e+02	9.95e-11	3.39e-01	3.64e-12	5.32e-01	3.64e-12	8.71e+00	8.19e-04	4.41e+00	5.00e+00	6.23e+01	2.01e+05	2.32e+00	3.97e+01	6.16e+02	3.60e-03
192	8.87e+02	1.37e-10	3.33e-01	1.46e-11	5.47e-01	2.74e-11	7.93e+01	1.27e+03	1.44e+01	3.13e-01	6.26e+01	1.56e+06	3.91e+00	5.13e+04	8.34e+02	1.27e-02
193	5.06e+02	2.09e-12	1.20e-01	2.13e-11	2.10e-01	1.46e-11	8.86e+00	1.13e-01	2.70e+00	1.27e+00	1.78e+01	1.64e+05	4.65e-01	9.60e+03	1.46e+00	1.03e-02
194	7.28e+02	1.22e-10	1.27e-01	2.91e-11	2.26e-01	2.91e-11	5.38e+01	1.93e+04	6.95e+01	1.87e-05	2.11e+01	5.08e+06	1.54e+00	2.89e+05	1.86e+00	1.28e+00
195	6.78e+02	3.58e-14	3.62e-01	7.10e-15	5.48e-01	7.10e-15	1.43e+01	2.00e-04	4.44e+00	1.57e+04	3.99e+01	7.22e+00	2.62e+00	1.19e+01	5.72e+02	4.29e-03
196	9.00e+02	1.98e-11	3.56e-01	7.28e-12	5.70e-01	9.09e-13	7.42e+01	1.08e+01	5.36e+00	1.10e-10	6.30e+01	7.63e+05	2.05e+01	1.10e+02	8.35e+02	4.83e-02
197	7.08e+02	7.83e-12	3.53e-01	3.64e-12	5.30e-01	3.64e-12	8.07e+00	1.06e-04	4.35e+00	3.34e+03	6.09e+01	1.15e+04	2.57e+00	1.44e+00	6.61e+02	6.64e-03
198	9.00e+02	2.09e-10	3.30e-01	1.46e-11	5.20e-01	1.46e-11	7.61e+01	7.24e+03	1.93e+01	1.99e-03	6.12e+01	1.97e+06	4.69e+00	9.20e+04	7.92e+02	8.85e-02
199	3.39e+02	1.15e+05	4.33e-01	1.46e-11	6.86e-01	1.46e-11	1.16e+01	3.73e-04	5.21e+00	2.97e-05	6.28e+01	1.35e+00	2.65e+00	2.59e+01	6.16e+02	6.27e-03
200	9.04e+02	8.13e+05	4.20e-01	1.46e-11	6.70e-01	1.46e-11	1.21e+02	1.07e+04	1.85e+01	1.04e+00	1.15e+01	1.76e+01	5.22e+00	6.16e+04	8.79e+02	1.95e-01
201	1.28e+00	7.09e-10	6.83e-01	1.59e-09	2.71e+00	8.98e-09	1.45e+00	1.92e+00	1.78e+00	9.95e-07	1.89e+00	3.15e+06	1.27e+00	1.18e-01	1.31e+00	2.31e-03
202	1.15e+00	1.60e-10	1.26e-02	4.62e-10	0.00e+00	4.62e-10	1.49e+00	6.31e+02	8.13e-01	4.69e+03	1.90e+00	2.75e+05	1.31e+00	3.41e-01	1.30e+00	1.99e-02
203	1.39e+00	5.17e-11	9.23e-01	8.74e-10	2.58e+00	5.88e-09	1.21e+00	2.66e-04	1.65e+00	2.64e-06	1.89e+00	1.36e+06	1.34e+00	3.54e-02	1.36e+00	1.95e-02
204	1.14e+00	4.08e-10	1.37e-01	5.97e-10	2.73e-01	5.49e-10	4.87e-01	1.62e-04	1.64e+00	1.53e-08	4.61e-01	1.12e+02	1.33e+00	1.38e-02	1.34e+00	2.73e-03
205	1.07e+00	1.17e-10	1.63e+00	1.24e-09	8.91e+00	9.84e-09	5.57e-01	2.18e-04	1.75e+00	1.48e-07	6.35e-01	6.16e+01	1.30e+00	1.14e-01	1.32e+00	2.85e-03
206	1.18e+00	3.90e-10	2.56e+00	8.25e-10	1.06e+01	1.51e-08	4.97e-01	1.36e-04	1.68e+00	3.97e-08	4.81e-01	2.11e+02	1.35e+00	1.77e-02	1.34e+00	3.39e-03
207	1.19e+00	9.05e-11	1.70e+00	3.98e-09	1.57e+01	7.96e-09	4.90e-01	1.31e-04	1.67e+00	3.47e-06	5.12e-01	1.67e+02	1.35e+00	1.46e-02	1.32e+00	2.18e-02
208	1.18e+00	1.02e-10	8.93e-01	1.16e-09	8.48e+00	4.70e-09	5.03e-01	1.45e-04	1.70e+00	3.68e-06	4.82e-01	1.41e+02	1.37e+00	2.04e-02	1.34e+00	3.65e-03
209	1.24e+00	1.27e-02	2.52e+00	1.57e-09	2.46e+01	1.33e-09	5.79e-01	2.05e-04	1.73e+00	8.86e-08	5.76e-01	1.53e+02	1.30e+00	4.69e-02	1.36e+00	4.58e-03
210	1.06e+00	1.73e-10	1.37e+00	9.41e-09	6.89e+00	2.84e-08	5.63e-01	1.41e-04	1.77e+00	1.29e-07	4.70e-01	3.20e+02	1.28e+00	2.06e-02	1.32e+00	4.47e-03
211	1.20e+00	4.62e-11	9.50e-01	8.58e-10	1.23e+01	4.61e-09	4.77e-01	1.66e-04	1.66e+00	9.30e-09	4.59e-01	1.29e+02	1.28e+00	9.85e-03	1.29e+00	2.33e-03

212	1.06e+00	2.87e-01	1.34e+00	8.15e-10	8.64e+00	1.15e-08	5.61e-01	1.80e-04	1.74e+00	6.99e-08	5.14e-01	2.19e+02	1.28e+00	1.73e+00	1.32e+00	2.86e-03
213	1.20e+00	3.44e-11	1.49e+00	1.40e-09	6.25e+00	7.91e-10	8.56e-01	3.32e-04	1.76e+00	2.55e-07	7.80e-01	7.05e+01	1.52e+00	1.37e-01	1.55e+00	7.15e-03
214	1.52e+00	8.28e-10	1.16e+00	9.53e-10	1.74e+01	1.63e-08	1.84e+00	2.78e+02	1.84e+00	1.89e-06	2.10e+00	8.86e+04	1.52e+00	1.73e+00	1.55e+00	6.16e-01
215	1.72e+00	2.29e-10	4.49e-01	4.97e-10	1.48e+00	6.10e-10	1.32e+00	2.03e-04	1.74e+00	2.03e-04	9.11e-01	6.78e+01	1.56e+00	6.17e-02	1.55e+00	7.04e-01
216	1.77e+00	3.79e+01	2.27e-01	5.89e-10	1.05e+00	9.18e-10	1.41e+00	4.38e+01	8.76e-01	7.60e-10	2.10e+00	4.09e+02	1.50e+00	7.59e-02	1.55e+00	2.08e-01
217	1.26e+00	8.05e-01	2.26e+00	1.19e-09	1.62e+01	1.00e-08	1.52e+00	5.24e-01	1.73e+00	5.14e-08	1.18e+00	7.12e+01	1.52e+00	6.59e+00	1.55e+00	1.32e+00
218	1.33e+00	4.18e-02	2.48e+00	9.75e-10	1.85e+01	9.74e-09	6.29e-01	2.20e-04	1.76e+00	4.52e-07	6.10e-01	4.04e+02	1.56e+00	4.07e-02	1.55e+00	4.44e-03
219	1.11e+00	2.68e-01	7.20e+00	7.82e-10	4.79e+01	2.75e-09	6.05e-01	2.25e-04	1.72e+00	1.07e-07	6.22e-01	1.06e+02	1.63e+00	4.37e-02	1.55e+00	7.27e-01
220	1.31e+00	7.08e-11	4.27e+00	1.32e-09	3.45e+01	9.01e-09	5.88e-01	1.67e-04	1.70e+00	5.62e-08	5.68e-01	1.48e+02	1.54e+00	1.16e-01	1.55e+00	5.37e-03
221	1.35e+00	5.90e-10	5.56e+00	2.19e-09	4.18e+01	9.73e-09	6.24e-01	1.95e-04	1.81e+00	3.00e+07	6.41e-01	2.60e+02	1.51e+00	9.70e-01	1.53e+00	4.75e-03
222	1.47e+00	2.39e-10	2.13e+00	1.29e-09	2.02e+01	6.38e-09	6.54e-01	2.19e-04	1.82e+00	1.45e-07	7.04e-01	1.09e+02	1.50e+00	3.70e-01	1.54e+00	6.15e-03
223	1.31e+00	6.56e-11	2.89e+00	1.35e-09	1.87e+01	4.21e-09	5.68e-01	1.11e-04	1.71e+00	2.30e-07	6.28e-01	1.72e+02	1.54e+00	8.48e-02	1.55e+00	6.19e-03
224	1.36e+00	7.85e-02	2.92e+00	2.75e-09	2.91e+01	9.49e-09	6.39e-01	2.31e-04	1.81e+00	1.03e-07	6.31e-01	1.96e+02	1.58e+00	1.65e-01	1.55e+00	5.41e-03
225	2.01e+00	8.12e+00	5.13e-01	4.09e-09	2.80e+00	7.83e-09	1.66e+00	1.95e+01	1.74e+00	8.08e-05	9.77e-01	8.27e+01	1.77e+00	5.40e+00	1.68e+00	2.48e+04
226	2.36e+00	8.50e-11	1.43e-01	5.03e-10	4.47e-01	4.92e-10	1.75e+00	1.74e+00	1.03e+00	1.72e-09	1.00e+00	2.13e+01	1.62e+00	1.00e+01	1.68e+00	1.81e+00
227	1.71e+00	6.79e-10	2.77e+00	1.27e-09	2.41e+01	1.01e-08	2.00e+00	2.27e+01	1.83e+00	7.11e-05	2.28e+00	1.39e+05	1.73e+00	2.51e+00	1.68e+00	5.19e-01
228	2.38e+00	1.13e-01	1.08e+00	3.03e-09	4.44e+00	1.21e-09	1.72e+00	4.18e-01	1.76e+00	6.13e-07	9.39e-01	9.13e+01	1.71e+00	7.25e-02	1.68e+00	1.23e+00
229	1.77e+00	1.01e+00	4.30e-01	1.84e-09	1.42e+00	8.32e-10	1.53e+00	2.42e-04	1.04e+00	8.73e-10	9.94e-01	1.10e+02	1.64e+00	3.04e-02	1.68e+00	8.32e-03
230	1.23e+00	7.73e-01	7.58e+00	2.69e-09	4.38e+01	2.04e-08	7.50e-01	1.42e-04	1.80e+00	1.14e-07	8.02e-01	8.72e+01	1.71e+00	1.95e-01	1.68e+00	1.03e+00
231	1.44e+00	4.44e-10	1.19e+01	8.84e-10	5.73e+01	1.64e-09	6.75e-01	9.90e-05	1.74e+00	2.03e-08	7.73e-01	1.16e+02	1.66e+00	1.91e-01	1.68e+00	8.25e-01
232	1.45e+00	5.38e-01	6.78e+00	2.13e-09	4.04e+01	5.14e-09	6.64e-01	1.27e-04	1.76e+00	6.24e-08	7.00e-01	2.45e+02	1.73e+00	8.42e-02	1.68e+00	5.29e+03
233	1.25e+00	4.40e-01	5.76e+01	1.01e-09	5.65e+01	1.15e-08	7.49e-01	3.05e-04	1.80e+00	2.73e-08	7.53e-01	1.10e+02	1.75e+00	1.15e-01	1.68e+00	1.00e+00
234	1.56e+00	7.66e-02	4.28e+00	8.23e-10	2.46e+01	1.01e-08	7.17e-01	7.96e-05	1.76e+00	2.96e-08	9.46e-01	3.94e+01	1.69e+00	5.24e-02	1.68e+00	1.41e-01
235	1.45e+00	3.43e-11	4.16e+00	9.97e-10	4.29e+01	4.24e-09	6.53e-01	1.81e-04	1.78e+00	6.16e-08	7.01e-01	1.38e+02	1.66e+00	1.47e+00	1.68e+00	1.59e-02
236	1.48e+00	5.93e-11	5.24e+00	1.99e-09	4.04e+01	4.66e-09	7.27e-01	2.68e-04	1.83e+00	1.43e-08	8.65e-01	6.45e+01	1.66e+00	1.29e-01	1.68e+00	8.17e-03
237	2.57e+00	1.11e-10	1.98e+00	5.77e-10	2.06e+01	2.73e-09	2.34e+00	8.00e-01	1.82e+00	4.20e-08	3.14e+00	5.76e+01	2.33e+00	1.82e-01	2.05e+00	3.59e+00
238	2.13e+00	2.74e-03	1.18e+01	4.20e-09	4.77e+01	3.69e-08	2.55e+00	2.09e-01	3.50e+00	2.08e-06	3.16e+00	1.65e+06	2.44e+00	1.17e+00	2.49e+00	4.94e-03
239	1.55e+00	1.16e-10	5.94e-02	4.97e-10	6.65e-02	5.07e-10	2.33e+00	1.83e+03	1.30e+00	2.20e-10	3.17e+00	5.92e+05	2.45e+00	3.68e-02	2.45e+00	1.23e-02
240	1.95e+00	2.46e-02	1.68e+01	2.25e-09	3.72e+01	4.37e-09	2.44e+00	2.61e+00	3.18e+00	6.86e-07	3.16e+00	3.79e+06	2.48e+00	2.46e-01	2.49e+00	5.74e-01
241	1.90e+00	1.29e-10	1.19e+00	5.24e-10	3.02e+00	4.13e-09	7.49e-01	1.92e-04	2.96e+00	5.20e-08	9.14e-01	5.52e+01	2.37e+00	2.22e-02	2.41e+00	3.83e-03
242	1.87e+00	2.90e-10	1.64e+01	5.35e-09	7.49e+01	2.36e-08	8.91e-01	1.50e-04	3.41e+00	6.22e-07	1.03e+00	1.15e+02	2.36e+00	3.51e-01	2.44e+00	4.33e-03
243	1.76e+00	2.50e-03	3.73e+01	8.91e-09	1.15e+02	2.70e-09	7.46e-01	1.66e-04	3.15e+00	1.15e-04	8.68e-01	1.72e+02	2.40e+00	2.38e-02	2.48e+00	3.98e-03
244	1.73e+00	2.73e-02	2.17e+01	2.87e-09	6.28e+01	3.93e-09	7.74e-01	7.72e-05	3.22e+00	1.03e-07	8.44e-01	1.98e+02	2.44e+00	1.99e-01	2.48e+00	1.27e-02
245	1.79e+00	2.01e-04	1.72e+01	7.41e-09	8.02e+01	6.04e-08	7.71e-01	4.67e-05	3.12e+00	4.95e-07	9.56e-01	1.01e+02	2.47e+00	6.19e-02	2.44e+00	4.06e-03
246	1.88e+00	1.71e-10	3.51e+01	4.63e-09	1.14e+02	3.93e-08	8.81e-01	1.36e-04	3.40e+00	1.81e-06	9.41e-01	2.2e+02	2.40e+00	7.95e-02	2.48e+00	4.39e-03
247	1.89e+00	3.48e-10	1.44e+01	4.31e-09	5.59e+01	2.92e-08	8.68e-01	1.51e-04	3.41e+00	2.86e-07	1.08e+00	1.20e+02	2.36e+00	5.55e-01	2.40e+00	1.14e-02
248	1.79e+00	1.62e-10	1.92e+01	2.15e-09	8.18e+01	2.57e-09	7.63e-01	9.02e-05	3.16e+00	1.57e-07	7.22e-01	3.23e+02	2.44e+00	1.56e-01	2.44e+00	6.88e-03
249	1.88e+00	9.19e-03	1.46e+01	1.43e-08	7.20e+01	4.59e-08	8.75e-01	1.55e-04	3.36e+00	2.35e-07	9.62e-01	1.86e+02	2.37e+00	9.08e-01	2.45e+00	4.02e-03
250	2.19e+00	1.14e-10	1.24e+01	5.87e-09	5.64e+01	4.56e-09	1.32e+00	1.43e-04	3.26e+00	7.12e-07	1.41e+00	9.42e+01	2.77e+00	1.67e+00	2.78e+00	8.94e-01
251	2.51e+00	6.83e-02	1.99e+01	2.99e-09	7.03e+01	1.06e-08	2.90e+00	4.77e+02	3.61e+00	3.07e-06	3.56e+00	6.34e+06	2.77e+00	2.75e-01	2.78e+00	3.06e-01
252	2.49e+00	6.20e-10	6.67e+00	1.60e-08	2.11e+01	1.65e-08	2.63e+00	4.00e+00	3.24e+00	9.08e-06	3.55e+00	1.08e+05	2.88e+00	1.19e+00	2.77e+00	7.39e+03
253	2.92e+00	3.04e+00	1.75e+00	1.03e-09	8.00e+00	1.37e-08	2.62e+00	3.24e+00	1.45e+00	2.45e-08	3.55e+00	1.40e+05	2.95e+00	1.03e-01	2.77e+00	4.02e+00
254	2.41e+00	2.11e-10	2.53e+01	3.26e-09	8.92e+01	1.27e-08	2.62e+00	4.50e+03	3.24e+00	5.70e-06	3.55e+00	7.07e+04	2.88e+00	4.73e+00	2.77e+00	3.13e+04
255	2.02e+00	1.12e-01	2.77e+01	3.41e-09	1.07e+02	2.71e-08	1.02e+00	2.58e-04	3.44e+00	7.58e-06	1.23e+00	1.79e+02	2.77e+00	4.19e-01	2.78e+00	7.81e-01
256	1.95e+00	1.56e-01	7.22e+01	3.87e-09	1.66e+02	7.64e-09	9.00e-01	1.20e-04	3.26e+00	2.41e-05	1.18e+00	1.58e+02	2.81e+00	7.13e-02	2.78e+00	3.41e-01
257	1.94e+00	1.88e-10	3.57e+01	2.83e-09	1.03e+02	8.35e-09	8.84e-01	1.51e-04	3.27e+00	8.59e-07	1.09e+00	1.86e+02	2.81e+00	3.91e-02	2.78e+00	1.06e-02
258	2.05e+00	9.60e-02	6.13e+01	1.01e-08	2.01e+02	7.38e-09	1.03e+00	1.77e-04	3.46e+00	2.14e-07	1.32e+00	1.30e+02	2.81e+00	2.33e+00	2.78e+00	7.99e-01
259	2.16e+00	1.25e-01	4.70e+01	7.02e-09	1.09e+02	3.02e-08	1.04e+00	1.16e-04	3.38e+00	1.33e-06	1.26e+00	1.82e+02	2.89e+00	1.01e-01	2.78e+00	8.95e-01
260	2.12e+00	1.16e-10	4.44e+01	3.94e-09	1.40e+02	5.43e-09	9.20e-01	1.69e-04	3.26e+00	2.10e-07	1.18e+00	1.79e+02	2.88e+00	3.64e-01	2.78e+00	1.01e+00
261	2.04e+00	1.16e-01	3.64e+01	6.49e-09	1.00e+02	2.55e-08	1.04e+00	1.67e-04	3.39e+00	8.55e-07	1.31e+00	1.58e+02	2.77e+00	4.08e+00	2.78e+00	7.85e-01
262	3.22e+00	4.14e+03	4.60e+00	1.34e-08	1.94e+01	1.13e-09	2.86e+00	1.59e+04	1.85e+00	4.69e+03	1.91e+00	5.67e+01	3.20e+00	2.83e+00	3.01e+00	1.54e+04
263	3.81e+00	2.28e-10	2.67e+00	1.53e-09	1.05e+01	1.22e-09	2.97e+00	6.81e+01	1.68e+00	6.56e-05	1.87e+00	5.57e+01	3.05e+00	1.72e+01	3.01e+00	2.25e+04
264	2.58e+00	2.11e-09	3.79e+01	5.94e-09	9.68e+01	2.81e-08	3.24e+00	1.01e+03	3.63e+00	1.91e-05	3.84e+00	1.91e+07	3.12e+00	5.03e+00	3.01e+00	6.59e+03
265	3.24e+00	2.68e-10	9.50e+00	2.77e-07	3.04e+01	3.26e-09	3.06e+00	5.49e+01	2.03e+00	7.71e-03	2.37e+00	6.06e+01	3.16e+00	6.95e+00	3.01e+00	4.23e+04
266	3.44e+00	1.53e-10	5.68e+00	1.85e-09	3.17e+01	1.73e-08	2.84e+00	5.49e-04	1.62e+00	9.52e+01	2.24e+00	3.17e+01	2.92e+00	9.77e+00	3.01e+00	9.49e-02

267	2.15e+00	2.20e+00	5.50e+01	4.64e-09	1.51e+02	8.36e-08	1.11e+00	1.16e-04	3.42e+00	1.62e-07	1.50e+00	1.52e+00	3.12e+00	6.02e+00	3.01e+00	1.17e+04
268	2.08e+00	2.41e-01	1.15e+02	3.27e-09	2.58e+02	3.06e-09	1.01e+00	1.48e-04	3.27e+00	1.35e-07	1.44e+00	8.67e+01	3.04e+00	3.05e-01	3.00e+00	1.14e+00
269	2.09e+00	1.08e-10	7.65e+01	1.39e-09	1.40e+02	4.33e-08	1.05e+00	1.63e-04	3.25e+00	2.69e-07	1.27e+00	1.57e+00	3.16e+00	2.36e-01	3.00e+00	1.77e+00
270	2.19e+00	1.78e-10	1.27e+02	3.90e-09	3.04e+02	8.79e-09	1.10e+00	2.17e-04	3.40e+00	1.72e-07	1.61e+00	1.34e+02	3.12e+00	2.06e-01	3.01e+00	1.07e+00
271	2.47e+00	2.46e-10	5.27e+01	4.48e-09	1.21e+02	2.89e-08	1.12e+00	2.12e-04	3.41e+00	1.37e-07	1.50e+00	1.61e+02	3.08e+00	1.24e-01	3.01e+00	1.26e+00
272	2.09e+00	6.68e-01	8.37e+01	5.84e-09	1.85e+02	6.69e-09	1.05e+00	1.62e-04	3.26e+00	3.85e-05	1.46e+00	1.40e+02	3.16e+00	1.99e+00	3.01e+00	1.83e+04
273	2.16e+00	1.33e-10	5.73e+01	6.40e-09	1.74e+02	3.03e-08	1.14e+00	3.19e-04	3.46e+00	4.24e-07	1.60e+00	9.26e+01	3.16e+00	5.42e+00	3.01e+00	1.09e+04
274	4.31e+00	4.40e-10	4.57e+01	9.48e-09	7.41e+01	5.23e-09	3.62e+00	3.41e+02	3.46e+00	1.66e+03	2.37e+00	1.28e+02	4.17e+00	2.58e+01	3.67e+00	2.50e+04
275	1.71e+00	1.56e-15	8.28e-02	8.00e-16	1.36e-01	1.66e-14	5.42e-01	1.33e-04	1.13e+00	3.03e-14	8.42e+00	7.48e+00	1.36e+00	7.94e-07	7.51e-01	5.91e-03
276	1.70e+00	6.35e-15	1.00e-01	2.90e-15	1.66e-01	1.57e-14	5.19e-01	4.69e-05	1.08e+00	1.09e-13	8.25e+00	8.39e-01	1.35e+00	1.81e-06	8.91e-01	1.20e-03
277	1.43e+00	0.00e+00	1.26e-02	0.00e+00	1.00e-02	0.00e+00	2.87e-01	5.34e-05	1.20e-01	1.19e+00	2.00e+00	1.22e-06	1.21e+00	4.61e-07	7.35e-01	3.58e-03
278	1.51e+00	2.99e-10	1.00e-02	0.00e+00	1.26e-02	0.00e+00	1.17e+00	1.03e-04	7.50e-01	1.14e+00	6.34e-01	2.76e-05	1.35e+00	2.36e-06	8.79e-01	3.23e-03
279	1.26e+00	8.12e-16	1.13e-01	3.40e-15	1.27e-01	6.00e-15	1.80e-01	1.57e-04	1.27e+00	9.22e-15	4.52e-01	2.08e-05	1.27e+00	1.94e-06	8.82e-01	9.26e-04
280	2.74e+00	1.63e-15	8.65e-02	4.00e-16	1.13e-01	3.00e-16	4.29e-01	1.63e-04	1.44e+00	4.14e-14	8.30e+00	4.03e-01	1.39e+00	2.92e-06	8.83e-01	1.08e-02
281	1.54e+00	8.52e-15	9.97e-02	1.20e-15	1.09e-01	1.10e-15	4.87e-02	2.97e-05	1.38e+00	1.85e-14	4.71e-02	8.85e-06	1.40e+00	1.29e-06	8.75e-01	8.77e-03
282	1.09e+00	6.72e-15	1.03e-01	8.00e-16	1.17e-01	1.70e-15	4.99e-02	3.32e-05	1.39e+00	2.88e-14	4.88e-02	5.28e-06	1.27e+00	4.42e-06	8.75e-01	9.64e-03
283	1.07e+00	1.33e-15	2.76e-01	1.30e-15	4.23e-01	3.42e-14	4.45e-02	1.10e-04	1.18e+00	1.17e-14	6.12e-02	3.90e-06	1.27e+00	5.27e-06	8.87e-01	3.10e-03
284	1.16e+00	1.39e-15	3.63e-01	2.50e-15	1.11e+00	8.78e-14	5.13e-02	8.61e-05	1.16e+00	1.34e-14	6.47e-02	6.35e-06	1.39e+00	1.65e-06	8.87e-01	5.52e-03
285	1.76e+00	1.19e-14	1.08e+00	6.05e-14	1.34e+00	1.24e-13	3.97e-02	8.87e-05	1.32e+00	1.78e-14	4.44e-02	3.69e-03	1.27e+00	3.45e-06	8.75e-01	6.26e-03
286	9.27e-01	1.11e-14	1.51e+00	6.40e-15	3.01e+00	1.26e-13	4.47e-02	1.60e-04	1.35e+00	1.31e-14	7.08e-02	5.57e-06	1.66e+00	1.20e-06	1.02e+00	6.70e-03
287	1.74e+00	1.72e-15	6.20e-01	2.09e-14	1.65e+00	7.56e-14	3.88e-02	1.02e-04	1.33e+00	1.23e-14	4.96e-02	2.90e-06	1.39e+00	1.51e-06	8.84e-01	2.46e-03
288	1.74e+00	1.29e-15	5.97e-01	1.08e-14	1.54e+00	1.78e-13	5.82e-02	9.58e-05	1.29e+00	1.43e-14	7.97e-02	8.99e-06	1.53e+00	3.49e-06	1.03e+00	1.31e-02
289	9.98e-01	2.36e-15	3.43e-01	1.53e-14	8.57e-01	5.46e-14	4.08e-02	9.46e-05	1.36e+00	1.74e-14	4.91e-02	3.89e-06	1.40e+00	1.57e-06	1.03e+00	1.81e-03
290	9.39e-01	1.45e-15	3.69e-01	6.03e-14	8.97e-01	1.67e-13	5.02e-02	9.80e-05	1.35e+00	2.10e-14	5.01e-02	5.14e-06	1.54e+00	6.31e-06	1.03e+00	3.64e-03
291	1.15e+00	1.13e-14	7.07e-01	7.30e-15	7.66e-01	6.38e-14	4.85e-02	8.30e-05	1.22e+00	2.31e-14	6.77e-02	7.03e-06	1.40e+00	1.11e-06	8.89e-01	1.94e-03
292	1.16e+00	1.28e-14	1.19e+00	8.50e-15	1.09e+00	7.34e-14	5.58e-02	1.10e-04	1.17e+00	1.30e-14	8.49e-02	2.68e-05	1.40e+00	1.32e-06	8.89e-01	1.52e-03
293	1.09e+00	4.25e-15	2.73e-01	4.50e-15	6.59e-01	2.78e-13	4.63e-02	9.18e-05	1.18e+00	1.39e-14	6.81e-02	2.80e-06	1.61e+00	1.26e-06	8.94e-01	2.92e-03
294	1.17e+00	3.26e-15	3.03e-01	5.40e-15	6.37e-01	9.95e-14	5.89e-02	1.26e-04	1.21e+00	1.19e-14	4.38e-02	2.57e-05	1.47e+00	3.09e-06	1.04e+00	4.60e-03
295	1.84e+00	1.02e-15	4.27e-01	6.70e-15	2.68e+00	6.63e-14	4.50e-02	6.33e-05	1.29e+00	1.23e-14	4.75e-02	2.54e-06	1.54e+00	1.14e-06	1.03e+00	1.64e-03
296	1.87e+00	1.58e-15	4.23e-01	5.70e-15	1.45e+00	4.89e-14	4.25e-02	6.27e-05	1.37e+00	1.69e-14	4.52e-02	3.34e-06	1.40e+00	2.82e-06	1.04e+00	1.93e-03
297	1.13e+00	1.39e-15	3.36e-01	4.20e-15	4.33e-01	1.21e-13	4.51e-02	7.93e-05	1.23e+00	1.86e-14	6.83e-02	3.44e-06	1.27e+00	1.38e-06	8.91e-01	4.50e-03
298	1.08e+00	1.29e-15	3.56e-01	2.10e-15	4.43e-01	1.79e-14	5.70e-02	7.81e-05	1.15e+00	8.11e-15	8.89e-02	2.04e-05	1.28e+00	5.02e-06	8.90e-01	1.76e-03
299	1.81e+00	8.32e-16	2.36e-01	1.20e-15	2.63e-01	1.48e-14	1.13e-01	3.15e-04	1.42e+00	6.55e-15	1.47e-01	6.37e-06	2.17e+00	9.36e-06	1.51e+00	4.51e-03
300	1.86e+00	8.15e-16	2.40e-01	3.96e-14	3.16e-01	1.10e-14	1.58e-01	3.16e-04	1.51e+00	1.73e-14	1.26e-01	1.13e-05	2.35e+00	2.04e-06	1.51e+00	8.11e-03
301	2.78e+00	3.78e-15	1.23e-01	1.10e-15	2.33e-01	3.78e-14	7.46e-01	2.01e-04	1.40e+00	4.81e-14	1.20e+01	1.74e+01	2.30e+00	2.29e-06	1.30e+00	4.77e-03
302	2.69e+00	6.22e-15	1.23e-01	4.00e-15	1.99e-01	3.11e-14	1.19e+00	2.29e-03	1.34e+00	1.16e-13	1.20e+01	3.79e+00	2.05e+00	3.80e-06	1.30e+00	7.36e-03
303	2.40e+00	4.85e-15	1.36e-01	1.10e-15	2.17e-01	6.00e-16	1.68e-01	1.05e-04	1.44e+00	1.25e-13	8.83e-02	2.11e-06	2.05e+00	8.25e-07	1.30e+00	1.22e-03
304	2.48e+00	3.02e-15	1.46e-01	4.00e-16	2.16e-01	7.00e-16	3.81e-01	1.37e-04	1.44e+00	4.51e-13	3.46e-01	2.01e-05	2.27e+00	5.40e-06	1.30e+00	5.26e-03
305	5.09e+00	4.75e-16	1.00e-01	1.00e-15	1.40e-01	1.30e-15	3.53e-01	2.14e-04	1.42e+00	1.73e-14	4.17e-01	1.16e-04	2.06e+00	4.77e-06	1.29e+00	1.76e-03
306	4.44e+00	5.55e-17	8.65e-02	1.00e-16	1.43e-01	1.00e-16	7.96e-01	5.45e-04	7.13e-01	2.55e-02	2.67e-01	1.89e-05	2.48e+00	1.61e-06	1.50e+00	4.10e-03
307	1.73e+00	4.21e-16	2.17e-01	1.10e-15	3.76e-01	2.39e-14	2.63e-01	5.08e-05	1.44e+00	8.99e-15	4.18e-01	3.14e-05	1.98e+00	2.70e-06	1.30e+00	6.37e-03
308	1.43e+00	1.20e-15	2.16e-01	1.80e-15	2.80e-01	6.80e-15	2.91e-01	1.57e-04	1.50e+00	2.23e-14	3.84e-01	2.99e-06	1.98e+00	8.77e-07	1.30e+00	1.66e-03
309	1.29e+00	1.62e-15	5.33e-01	5.00e-15	1.07e+00	4.48e-14	5.98e-02	5.93e-05	1.44e+00	1.27e-14	1.27e-01	7.77e-06	2.52e+00	8.84e-07	1.30e+00	1.60e-02
310	1.31e+00	1.21e-15	5.03e-01	4.10e-15	9.37e-01	6.46e-14	6.33e-02	9.23e-05	1.44e+00	1.41e-14	1.34e-01	9.03e-06	2.30e+00	7.44e-06	1.30e+00	1.50e-02
311	1.11e+00	7.30e-15	2.71e+00	6.60e-15	4.00e+00	1.96e-13	6.32e-02	8.40e-05	1.52e+00	1.01e-14	9.81e-02	6.37e-06	2.74e+00	1.38e-06	1.50e+00	2.75e-03
312	1.09e+00	8.76e-15	2.69e+00	1.55e-14	2.89e+00	4.06e-13	5.65e-02	1.18e-04	1.52e+00	1.17e-14	1.03e-01	3.14e-06	2.52e+00	1.48e-06	1.29e+00	1.01e-02
313	1.09e+00	7.45e-16	8.77e-01	5.80e-15	2.73e+00	2.03e-13	6.49e-02	3.55e-05	1.56e+00	1.79e-14	1.03e-01	2.84e-06	2.74e+00	9.74e-07	1.71e+00	2.66e-03
314	1.17e+00	1.32e-15	1.32e+00	5.40e-15	4.04e+00	1.26e-13	6.32e-02	9.70e-05	1.53e+00	1.96e-14	1.00e-01	2.53e-05	2.96e+00	1.62e-06	1.50e+00	7.45e-03
315	1.28e+00	9.16e-15	2.00e+00	4.70e-15	6.96e-01	1.23e-13	6.64e-02	6.15e-05	1.46e+00	1.11e-14	1.30e-01	4.30e-06	2.30e+00	6.68e-06	1.29e+00	2.93e-03
316	1.36e+00	8.54e-15	2.40e+00	4.60e-15	5.91e+00	2.09e-13	7.33e-02	5.43e-05	1.41e+00	1.19e-14	1.25e-01	7.43e-06	2.74e+00	1.87e-06	1.50e+00	1.39e-02
317	1.63e+00	2.70e-15	5.80e-01	3.60e-15	8.30e-01	2.29e-14	6.16e-02	1.04e-04	1.47e+00	1.03e-14	1.29e-01	7.05e-06	2.16e+00	7.94e-07	1.30e+00	1.37e-02
318	1.63e+00	3.85e-15	4.07e-01	5.50e-15	7.33e-01	5.67e-14	6.14e-02	9.01e-05	1.44e+00	1.01e-14	1.53e-01	1.56e-05	2.16e+00	9.39e-07	1.30e+00	9.68e-03
319	1.16e+00	1.23e-15	5.60e-01	5.10e-15	1.33e+00	5.40e-14	5.32e-02	1.42e-04	1.54e+00	1.45e-14	1.15e-01	6.54e-06	2.52e+00	1.35e-06	1.29e+00	1.35e-02
320	1.08e+00	6.71e-16	6.20e-01	3.80e-15	1.45e+00	6.16e-14	6.65e-02	1.27e-04	1.52e+00	1.11e-14	1.18e-01	8.06e-06	2.95e+00	6.78e-06	1.50e+00	1.22e-02

321	1.28e+00	1.08e-15	5.37e-01	3.80e-15	5.66e-01	3.01e-14	6.47e-02	1.01e-04	1.45e+00	9.56e-15	1.32e-01	6.41e-06	2.52e+00	4.06e-06	1.33e+00	1.59e-02
322	1.27e+00	8.78e-16	5.13e-01	6.00e-15	6.22e-01	3.80e-14	6.85e-02	9.92e-05	1.43e+00	1.89e-14	1.62e-01	1.64e-05	2.30e+00	2.57e-06	1.29e+00	1.14e-02
323	7.33e+00	3.67e-15	1.37e-01	8.00e-16	2.10e-01	3.30e-15	6.15e-01	4.87e-04	1.76e+00	1.84e-13	9.86e-01	6.78e-05	2.93e+00	6.00e-06	1.69e+00	1.70e-02
324	7.86e+00	3.34e-15	1.53e-01	7.00e-16	2.02e-01	7.00e-16	3.84e-01	4.04e-04	1.75e+00	1.36e-13	2.28e-01	4.40e-05	3.18e+00	1.59e-06	1.96e+00	3.36e-03
325	1.44e+01	4.08e-15	1.17e-01	6.00e-16	1.42e-01	6.00e-16	4.39e-01	5.84e-04	1.80e+00	3.50e-14	1.92e-01	9.61e-06	2.94e+00	7.82e-06	1.68e+00	2.13e-02
326	1.44e+01	3.82e-15	1.13e-01	3.00e-16	1.43e-01	6.00e-16	6.31e-01	5.29e-04	1.33e+00	1.07e-01	3.43e-01	5.07e-05	2.94e+00	1.01e-05	1.95e+00	1.40e-02
327	4.34e+00	3.64e-15	1.93e-01	1.80e-15	3.00e-01	3.72e-14	3.30e+00	7.99e-02	1.66e+00	5.95e-14	1.03e+01	3.50e-06	2.92e+00	1.90e-06	1.69e+00	1.60e-02
328	4.25e+00	5.27e-15	1.86e-01	1.20e-15	3.37e-01	1.53e-14	3.21e+00	1.24e-02	1.72e+00	1.24e-13	1.57e+01	6.16e-02	2.92e+00	3.74e-06	1.69e+00	8.65e-03
329	6.69e+00	8.06e-16	1.50e-01	8.00e-16	2.07e-01	2.20e-15	3.92e-01	1.18e-04	1.68e+00	1.27e-11	2.53e-01	2.75e-05	2.93e+00	1.73e-06	1.69e+00	1.99e-02
330	6.74e+00	1.51e-15	1.66e-01	9.00e-16	2.43e-01	1.04e-14	6.02e-01	3.25e-04	1.73e+00	3.43e-14	1.10e+00	1.61e-05	3.18e+00	1.79e-06	1.69e+00	2.51e-02
331	3.57e+00	7.19e-16	2.10e-01	7.00e-16	2.53e-01	2.60e-15	4.03e-01	3.47e-04	1.75e+00	8.05e-15	2.52e-01	1.28e-05	2.94e+00	1.51e-06	1.69e+00	1.14e-02
332	3.60e+00	6.88e-16	2.13e-01	6.00e-15	2.73e-01	5.30e-15	7.48e-01	4.18e-04	1.23e+00	2.03e-02	1.96e-01	3.41e-05	2.94e+00	3.96e-06	1.96e+00	3.24e-03
333	1.74e+00	9.87e-16	7.66e-01	4.20e-15	2.53e+00	3.80e-14	7.70e-02	9.77e-05	1.72e+00	1.32e-14	2.25e-01	4.71e-06	3.44e+00	1.43e-06	1.96e+00	1.12e-02
334	1.78e+00	2.17e-15	7.43e-01	5.60e-15	1.86e+00	1.29e-13	8.08e-02	9.13e-05	1.74e+00	1.43e-14	2.56e-01	5.69e-05	3.19e+00	9.67e-07	1.69e+00	2.42e-02
335	1.43e+00	8.44e-15	5.25e+00	1.18e-14	7.64e+00	1.13e-13	8.24e-02	7.64e-05	1.79e+00	8.60e-15	1.95e-01	5.12e-06	3.18e+00	3.03e-06	1.95e+00	3.72e-03
336	1.44e+00	9.21e-15	5.32e+00	1.53e-14	1.04e+01	1.00e-12	7.68e-02	1.10e-04	1.78e+00	1.75e-14	1.96e-01	2.05e-05	3.22e+00	3.19e-06	1.95e+00	8.50e-03
337	1.53e+00	1.15e-15	1.18e+00	5.10e-15	3.65e+00	1.09e-13	7.56e-02	1.05e-04	1.76e+00	9.36e-15	1.75e-01	6.22e-06	3.44e+00	2.45e-06	2.23e+00	4.89e-03
338	1.50e+00	1.10e-15	1.54e+00	1.22e-14	4.76e+00	1.09e-13	8.53e-02	1.45e-04	1.81e+00	1.29e-14	1.91e-01	5.43e-06	3.94e+00	1.97e-06	1.96e+00	1.82e-02
339	1.71e+00	7.57e-15	2.94e+00	7.90e-15	6.62e+00	2.03e-13	8.27e-02	1.05e-04	1.74e+00	1.47e-14	2.16e-01	8.11e-06	3.18e+00	2.22e-06	1.96e+00	3.26e-03
340	1.71e+00	7.73e-15	5.08e+00	7.10e-15	5.19e+00	1.62e-13	9.38e-02	1.33e-04	1.73e+00	1.18e-14	2.50e-01	3.43e-06	3.68e+00	5.92e-06	1.96e+00	1.32e-02
341	2.86e+00	3.98e-15	1.00e+00	6.20e-15	1.79e+00	6.37e-14	9.85e-02	9.48e-05	1.83e+00	1.40e-14	2.83e-01	9.93e-06	3.22e+00	1.36e-06	1.96e+00	3.70e-03
342	2.86e+00	2.85e-15	8.26e-01	6.60e-15	2.28e+00	1.64e-13	9.54e-02	8.30e-05	1.71e+00	1.82e-14	2.44e-01	5.23e-06	3.48e+00	3.34e-06	1.97e+00	1.22e-02
343	1.51e+00	8.35e-16	8.16e-01	3.70e-15	1.24e+00	3.40e-14	8.89e-02	3.93e-05	1.84e+00	2.10e-14	1.76e-01	3.88e-06	3.43e+00	3.74e-06	2.23e+00	8.27e-03
344	1.51e+00	1.17e-15	7.66e-01	5.50e-15	9.36e-01	3.75e-14	8.49e-02	8.12e-05	1.84e+00	1.70e-14	1.93e-01	4.35e-06	2.67e+00	6.63e-06	1.69e+00	3.06e-02
345	1.70e+00	7.14e-16	1.08e+00	3.70e-15	1.90e+00	3.35e-14	8.46e-02	8.86e-05	1.77e+00	1.12e-14	2.23e-01	9.06e-06	3.69e+00	3.72e-06	2.23e+00	6.48e-03
346	1.73e+00	7.17e-16	8.03e-01	4.00e-15	2.20e+00	4.24e-14	9.78e-02	1.43e-04	1.75e+00	1.26e-14	2.26e-01	9.02e-06	3.18e+00	1.43e-06	1.69e+00	2.26e-02
347	1.85e+01	1.37e-15	3.73e-01	1.10e-15	5.47e-01	7.40e-15	1.64e+00	9.74e-05	1.66e+00	3.91e-10	1.46e+00	1.12e-05	6.86e+00	2.12e-06	3.33e+00	1.01e-02
348	1.80e+01	3.13e-15	3.76e-01	6.00e-16	5.62e-01	2.20e-15	1.56e+00	5.73e-04	2.49e+00	1.22e-02	4.39e+01	3.15e-01	8.50e+00	1.24e-06	3.88e+00	1.31e-02
349	9.03e+00	5.18e-15	4.60e-01	1.20e-15	7.43e-01	1.53e-14	3.48e+00	1.61e-04	3.23e+00	1.07e-14	4.51e+01	5.13e+01	1.00e+01	2.84e-06	6.32e+00	3.31e-03
350	8.26e+00	5.73e-15	6.83e-01	2.70e-15	9.63e-01	8.54e-14	3.10e+00	1.79e-04	3.25e+00	9.65e-14	4.51e+01	3.06e+02	1.00e+01	8.59e-06	6.32e+00	4.31e-03
351	3.63e+00	8.00e-11	6.65e-02	0.00e+00	6.32e-02	0.00e+00	7.57e-01	2.27e-04	1.77e+00	4.69e-01	4.53e+01	8.03e-01	8.29e+00	2.60e-06	5.22e+00	2.56e-03
352	3.46e+00	1.92e-10	6.32e-02	2.00e-16	6.65e-02	2.00e-16	4.66e+00	3.18e-03	3.62e+00	1.11e-01	8.61e+00	1.64e-03	1.02e+01	1.16e-06	6.25e+00	1.24e-02
353	9.01e+00	7.43e-16	5.87e-01	7.00e-16	6.92e-01	2.80e-15	2.16e+00	1.80e-04	3.23e+00	5.20e-15	4.52e+01	5.23e+01	1.01e+01	2.01e-06	6.26e+00	1.28e-02
354	9.06e+00	2.89e-15	4.80e-01	2.00e-16	6.60e-01	2.00e-16	3.99e+00	1.73e-04	3.00e+00	1.11e-14	4.50e+01	3.44e+01	1.01e+01	1.71e-06	6.26e+00	1.15e-02
355	6.92e+00	1.27e-15	5.40e-01	2.20e-15	7.47e-01	6.30e-15	1.63e-01	9.36e-05	3.75e+00	8.42e-15	2.49e-01	6.12e-06	1.19e+01	1.65e-06	8.30e+00	5.85e-03
356	6.94e+00	1.34e-15	5.29e-01	8.00e-16	6.86e-01	1.60e-15	1.53e-01	5.04e-05	3.77e+00	6.22e-15	2.43e-01	3.18e-06	1.10e+01	9.83e-07	7.24e+00	5.77e-03
357	5.99e+00	1.91e-15	2.43e+00	1.14e-14	8.63e+00	9.70e-14	1.90e-01	4.64e-05	3.42e+00	5.54e-15	3.56e-01	3.51e-06	1.01e+01	2.07e-06	6.29e+00	6.42e-03
358	5.97e+00	1.62e-15	1.93e+00	8.70e-15	4.11e+00	8.43e-14	1.69e-01	9.73e-05	3.41e+00	5.82e-15	3.95e-01	1.36e-05	9.09e+00	3.38e-06	6.30e+00	8.39e-03
359	4.90e+00	2.04e-15	1.03e+01	1.40e-13	2.63e+01	2.38e-13	1.42e-01	9.63e-05	3.65e+00	9.76e-15	2.35e-01	3.09e-06	1.01e+01	4.27e-06	7.23e+00	6.41e-03
360	5.06e+00	1.88e-15	1.18e+01	1.01e-12	1.46e+01	3.99e-13	1.64e-01	6.39e-05	3.62e+00	6.92e-15	2.73e-01	2.04e-06	1.20e+01	8.81e-07	8.25e+00	1.97e-03
361	6.88e+00	1.89e-15	4.53e+00	4.62e-14	1.48e+01	5.12e-13	1.37e-01	1.22e-04	3.64e+00	6.56e-15	2.27e-01	3.90e-06	1.10e+01	9.65e-07	7.30e+00	3.49e-03
362	5.64e+00	2.27e-15	4.27e+00	3.12e-14	1.17e+01	1.50e-13	1.64e-01	1.13e-04	3.65e+00	6.64e-15	2.75e-01	8.77e-06	1.10e+01	1.99e-06	7.30e+00	4.96e-03
363	5.40e+00	1.97e-15	3.27e+00	4.45e-14	1.59e+01	2.58e-13	1.49e-01	1.45e-04	3.70e+00	7.67e-15	2.48e-01	7.12e-06	1.10e+01	2.23e-06	7.32e+00	5.52e-03
364	6.16e+00	2.22e-15	3.08e+00	7.78e-14	1.34e+01	5.63e-14	1.75e-01	5.96e-05	3.74e+00	7.34e-15	2.66e-01	3.66e-06	1.10e+01	2.45e-06	7.32e+00	4.76e-03
365	6.57e+00	1.81e-15	7.68e+00	1.19e-13	9.97e+00	2.11e-13	1.62e-01	5.20e-05	3.43e+00	6.14e-15	3.47e-01	7.48e-06	9.10e+00	2.25e-06	6.30e+00	3.56e-03
366	6.23e+00	1.13e-15	7.37e+00	1.04e-13	4.62e+01	7.69e-13	2.16e-01	1.30e-04	3.46e+00	5.74e-15	3.85e-01	3.30e-05	1.10e+01	4.37e-06	6.29e+00	8.74e-03
367	5.98e+00	2.75e-15	2.96e+00	1.38e-14	7.75e+00	2.35e-13	1.76e-01	1.03e-04	3.40e+00	7.29e-15	3.86e-01	3.45e-06	1.10e+01	5.56e-06	6.32e+00	6.74e-03
368	6.45e+00	2.61e-15	2.28e+00	4.99e-13	8.07e+00	2.05e-13	2.02e-01	3.02e-05	3.42e+00	1.01e-14	3.65e-01	1.35e-05	1.01e+01	1.23e-06	7.37e+00	1.71e-03
369	6.59e+00	1.53e-15	3.42e+00	4.96e-13	7.50e+00	1.41e-13	1.42e-01	9.44e-05	3.66e+00	7.44e-15	2.45e-01	4.67e-06	1.00e+01	1.00e-06	6.30e+00	9.45e-03
370	5.33e+00	2.27e-15	2.94e+00	2.65e-14	1.05e+01	1.46e-13	1.70e-01	3.98e-05	3.69e+00	5.82e-15	2.34e-01	3.15e-06	1.00e+01	3.48e-06	7.32e+00	4.03e-03
371	6.12e+00	1.33e-15	1.92e+00	3.90e-15	3.91e+00	7.49e-13	2.01e-01	3.75e-05	3.42e+00	5.99e-15	3.49e-01	6.54e-06	1.01e+01	6.79e-06	6.30e+00	1.04e-02
372	6.00e+00	1.77e-15	2.17e+00	6.60e-15	3.91e+00	1.30e-13	2.01e-01	1.15e-04	3.49e+00	7.66e-15	3.99e-01	1.21e-05	1.01e+01	2.68e-06	7.32e+00	1.75e-03
373	1.05e+01	8.67e-16	1.12e+00	6.30e-15	1.49e+00	2.96e-13	5.77e-01	3.59e-04	4.04e+00	4.45e-15	6.64e-01	3.86e-06	1.59e+01	2.97e-06	1.06e+01	4.81e-03
374	9.60e+00	5.55e-16	9.49e-01	1.50e-15	1.34e+00	1.40e-15	7.53e-01	1.39e-04	4.03e+00	5.61e-15	8.44e-01	1.65e-05	1.73e+01	1.40e-06	9.11e+00	2.41e-02
375	1.64e+01	2.94e-15	8.73e-01	3.10e-15	1.33e+00	5.98e-14	3.42e+00	2.20e-04	3.89e+00	9.81e-15	6.71e+01	1.29e+00	1.59e+01	1.39e-06	9.12e+00	8.32e-03

376	1.44e+01	4.01e-15	1.38e+00	3.70e-15	1.48e+00	2.35e-14	4.68e+00	1.54e-04	3.92e+00	3.95e-14	6.61e+01	3.98e+01	1.59e+01	2.79e-06	9.12e+00	4.82e-03
377	1.31e+01	2.38e-15	7.00e-01	7.00e-16	1.06e+00	1.00e-15	1.50e+00	1.39e-04	3.84e+00	6.03e-14	5.43e+00	6.10e-06	1.59e+01	3.62e-07	9.11e+00	1.21e-02
378	1.37e+01	9.59e-16	6.56e-01	6.00e-16	1.11e+00	8.00e-16	1.60e+00	7.99e-05	3.91e+00	6.74e-14	1.20e+01	4.55e-05	1.46e+01	1.40e-06	9.11e+00	8.21e-03
379	2.38e+01	4.01e-16	4.66e-01	8.00e-16	6.56e-01	1.10e-15	1.20e+00	4.46e-04	3.90e+00	2.85e-15	4.39e+00	1.78e-06	1.32e+01	1.03e-06	7.62e+00	1.03e-02
380	2.50e+01	9.92e-16	4.80e-01	4.00e-16	6.59e-01	1.80e-15	3.13e+00	4.19e-04	3.67e+00	9.97e-15	9.23e-01	1.12e-05	1.46e+01	1.34e-06	9.08e+00	1.50e-02
381	9.12e+00	1.08e-15	1.17e+00	2.00e-15	1.41e+00	7.00e-15	1.37e+00	1.20e-04	3.89e+00	2.47e-15	3.01e+00	2.96e-05	1.45e+01	6.38e-07	9.10e+00	8.44e-03
382	9.13e+00	4.10e-09	1.27e+00	2.40e-15	1.62e+00	3.24e-14	1.63e+00	5.30e-05	3.93e+00	5.42e-15	3.18e+00	1.89e-04	1.45e+01	1.51e-06	9.10e+00	2.98e-03
383	7.69e+00	2.88e-15	4.16e+00	2.88e-14	9.52e+00	1.48e-13	2.40e-01	5.29e-05	4.09e+00	7.93e-15	7.34e-01	4.83e-06	1.58e+01	2.33e-06	1.06e+01	2.65e-03
384	7.65e+00	2.78e-15	3.20e+00	8.80e-15	8.60e+00	1.58e-13	2.64e-01	5.05e-05	4.10e+00	6.51e-15	6.76e-01	9.95e-06	1.72e+01	1.04e-06	1.06e+01	8.23e-03
385	6.57e+00	1.59e-15	1.77e+01	1.02e-14	2.81e+01	8.00e-13	2.18e-01	1.06e-04	4.18e+00	4.94e-15	5.17e-01	3.66e-06	1.72e+01	2.44e-06	1.05e+01	6.26e-03
386	6.63e+00	2.40e-15	1.94e+01	1.21e-13	4.67e+01	1.97e-13	2.17e-01	1.05e-04	4.18e+00	5.35e-15	5.48e-01	5.69e-06	1.72e+01	1.88e-06	1.05e+01	4.70e-03
387	6.77e+00	2.48e-15	4.75e+00	1.04e-14	1.17e+01	1.24e-13	2.02e-01	1.06e-04	4.23e+00	5.95e-15	5.11e-01	4.63e-06	1.58e+01	1.10e-06	9.07e+00	1.66e-02
388	6.86e+00	1.75e-15	6.75e+00	1.88e-13	1.87e+01	6.83e-13	2.56e-01	4.58e-05	4.26e+00	8.47e-15	5.28e-01	2.35e-03	1.72e+01	3.65e-06	9.07e+00	2.29e-02
389	7.90e+00	1.06e-15	1.45e+01	2.20e-14	2.19e+01	1.16e-12	2.64e-01	1.41e-04	4.05e+00	5.56e-15	6.90e-01	5.02e-06	1.58e+01	1.08e-06	1.06e+01	2.92e-03
390	7.81e+00	1.62e-15	1.65e+01	1.79e-14	3.62e+01	2.71e-13	2.57e-01	1.07e-04	4.05e+00	5.60e-15	8.08e-01	1.14e-05	1.58e+01	3.21e-06	1.06e+01	3.25e-03
391	9.69e+00	5.22e-15	3.21e+00	1.37e-14	1.22e+01	1.09e-13	2.38e-01	1.13e-04	4.13e+00	1.21e-14	7.07e-01	6.54e-06	1.72e+01	3.52e-06	9.12e+00	1.41e-02
392	9.70e+00	4.34e-15	4.11e+00	2.30e-14	1.24e+01	1.53e-13	2.99e-01	7.62e-05	4.24e+00	8.16e-15	8.60e-01	4.97e-06	1.72e+01	9.22e-06	1.06e+01	2.16e-02
393	6.93e+00	2.17e-15	5.15e+00	7.33e-14	2.47e+01	8.81e-13	2.24e-01	5.19e-05	4.20e+00	6.03e-15	5.33e-01	9.86e-06	1.72e+01	4.46e-06	1.06e+01	1.60e-02
394	6.93e+00	1.42e-15	3.41e+00	1.75e-14	1.43e+01	1.13e-13	2.16e-01	8.75e-05	4.22e+00	6.90e-15	5.12e-01	1.23e-05	1.58e+01	4.51e-06	9.09e+00	2.57e-02
395	7.93e+00	1.69e-15	3.16e+00	6.00e-15	9.17e+00	1.19e-13	2.54e-01	6.61e-05	4.14e+00	6.67e-15	7.28e-01	3.05e-06	1.72e+01	4.58e-06	1.06e+01	7.36e-03
396	7.77e+00	1.81e-15	3.46e+00	2.82e-14	8.53e+00	4.30e-14	2.55e-01	1.26e-04	4.08e+00	6.05e-15	9.44e-01	9.90e-06	1.72e+01	3.02e-06	1.06e+01	5.48e-03
397	3.46e+01	1.40e-15	7.80e-01	6.00e-16	1.24e+00	1.70e-15	3.10e+00	3.94e-04	4.59e+00	1.55e-14	3.04e+00	6.97e-06	2.12e+01	2.98e-06	1.19e+01	8.34e-03
398	6.08e+02	1.53e-06	8.03e-01	7.20e-15	1.39e+00	8.62e-14	6.17e+00	5.76e-04	4.60e+00	2.76e-13	4.08e+01	3.48e-05	2.66e+01	6.62e-05	1.39e+01	7.34e-01
399	6.72e+01	3.74e-15	5.80e-01	1.00e-16	7.33e-01	1.00e-16	1.95e+00	6.25e-04	4.45e+00	1.10e-14	1.36e+00	1.44e-05	2.30e+01	7.15e-07	1.38e+01	2.79e-03
400	7.08e+01	2.87e-15	6.00e-01	9.00e-16	7.40e-01	6.90e-15	5.43e+00	4.77e-04	4.09e+00	3.02e-11	5.43e+00	3.69e-05	2.31e+01	1.81e-06	1.38e+01	6.07e-03
401	1.95e+01	3.70e-15	1.21e+00	1.20e-15	1.98e+00	2.01e-14	6.05e+00	1.38e-04	4.55e+00	5.73e-14	8.47e+01	1.11e+00	2.47e+01	7.35e-06	1.19e+01	1.47e-02
402	2.18e+01	6.00e-15	1.07e+00	3.00e-15	2.13e+00	1.26e-13	6.87e+00	9.25e-05	4.59e+00	4.17e-14	8.37e+01	3.69e+01	2.29e+01	4.06e-06	1.19e+01	8.50e-03
403	3.13e+01	9.39e-16	7.86e-01	4.80e-15	1.17e+00	6.00e-16	3.47e+00	3.27e-04	4.41e+00	1.25e-14	8.59e+01	1.16e+00	2.29e+01	2.34e-06	1.39e+01	2.84e-03
404	3.11e+01	1.17e-15	7.97e-01	4.00e-16	1.19e+00	2.80e-15	3.29e+00	1.81e-04	4.49e+00	1.23e-14	2.35e+00	5.74e-06	2.48e+01	1.40e-06	1.39e+01	3.20e-03
405	1.71e+01	9.52e-16	1.02e+00	1.10e-15	1.43e+00	2.60e-15	2.00e+00	1.40e-04	4.60e+00	5.17e-15	9.60e-01	3.76e-06	1.93e+01	1.05e-06	1.20e+01	2.15e-03
406	1.75e+01	1.26e-15	1.07e+00	2.60e-15	1.55e+00	1.31e-14	4.39e+00	1.03e-04	4.11e+00	8.05e-01	1.07e+00	1.46e-05	2.48e+01	6.79e-07	1.58e+01	4.90e-03
407	9.04e+00	1.82e-15	5.99e+00	4.96e-14	1.83e+01	2.78e-13	3.20e-01	5.80e-05	4.68e+00	5.69e-15	1.17e+00	1.01e-05	2.47e+01	3.33e-06	1.58e+01	7.49e-03
408	9.05e+00	1.59e-15	5.66e+00	1.31e-14	1.53e+01	5.49e-14	2.92e-01	5.17e-05	4.72e+00	6.48e-15	1.12e+00	6.35e-06	2.47e+01	1.26e-06	1.39e+01	1.35e-02
409	7.93e+00	1.28e-15	2.75e+01	2.72e-14	7.03e+01	8.15e-13	3.21e-01	3.17e-05	4.85e+00	5.45e-15	9.30e-01	6.25e-06	2.47e+01	2.99e-06	1.38e+01	1.64e-02
410	7.85e+00	1.60e-15	2.80e+01	2.90e-13	8.79e+01	2.39e-13	3.21e-01	1.30e-04	4.82e+00	9.12e-15	1.03e+00	6.20e-06	2.65e+01	4.93e-06	1.38e+01	2.79e-02
411	8.09e+00	2.16e-15	1.04e+01	1.19e-14	2.82e+01	1.65e-13	3.30e-01	7.40e-05	4.90e+00	7.40e-15	9.47e-01	6.02e-06	2.47e+01	1.03e-06	1.38e+01	2.77e-02
412	8.11e+00	1.79e-15	8.67e+00	1.00e-14	3.66e+01	1.95e-13	2.72e-01	8.21e-05	4.85e+00	9.27e-15	9.61e-01	7.99e-06	2.29e+01	1.10e-06	1.38e+01	9.48e-03
413	9.12e+00	1.80e-15	3.28e+01	2.41e-14	5.70e+01	1.21e-13	2.92e-01	1.01e-04	4.70e+00	6.68e-15	1.16e+00	8.10e-06	2.47e+01	4.06e-06	1.39e+01	1.29e-02
414	9.16e+00	2.06e-15	3.79e+01	1.55e-14	1.47e+02	2.38e-13	2.91e-01	7.46e-05	4.67e+00	7.18e-15	1.29e+00	2.21e-05	2.47e+01	3.66e-06	1.58e+01	3.93e-03
415	1.41e+01	4.16e-15	5.82e+00	9.80e-15	2.09e+01	1.74e-13	3.51e-01	1.16e-04	4.69e+00	8.74e-15	1.67e+00	4.55e-06	2.83e+01	5.34e-06	1.39e+01	1.37e-02
416	1.41e+01	4.31e-15	8.04e+00	1.24e-14	2.34e+01	3.46e-13	3.32e-01	1.05e-04	4.77e+00	1.03e-14	1.21e+00	8.16e-06	2.47e+01	7.38e-06	1.39e+01	4.48e-03
417	8.09e+00	1.73e-15	5.28e+00	1.39e-14	1.35e+01	1.32e-13	2.72e-01	9.37e-05	4.82e+00	6.89e-15	1.01e+00	5.30e-06	2.47e+01	6.86e-06	1.39e+01	1.08e-02
418	8.23e+00	1.62e-15	6.63e+00	2.16e-14	2.25e+01	1.52e-13	3.23e-01	6.67e-05	4.86e+00	7.58e-15	1.10e+00	1.47e-05	2.47e+01	5.41e-06	1.39e+01	1.87e-02
419	9.08e+00	1.90e-15	4.33e+00	5.61e-14	8.46e+00	8.12e-14	3.12e-01	8.20e-05	4.66e+00	5.61e-15	1.15e+00	8.43e-06	2.29e+01	7.88e-06	1.39e+01	3.73e-03
420	9.13e+00	2.08e-15	4.97e+00	7.10e-15	8.10e+00	1.94e-13	3.12e-01	9.41e-05	4.70e+00	8.72e-15	1.20e+00	5.53e-06	2.48e+01	3.03e-06	1.58e+01	3.78e-03
421	7.31e+01	2.71e-16	2.12e+00	4.30e-15	2.87e+00	2.30e-15	7.37e+00	1.78e-04	6.96e+00	8.07e-14	1.63e+02	9.05e-01	5.77e+01	2.17e-06	2.70e+01	2.22e-02
422	7.30e+01	1.21e-15	2.11e+00	6.00e-16	2.87e+00	6.00e-15	6.94e+00	9.81e-04	7.18e+00	8.35e-15	1.41e+01	4.63e-05	6.15e+01	2.07e-06	3.08e+01	1.17e-02
423	1.60e+01	5.85e-15	1.59e-02	1.00e-16	3.56e-02	1.00e-16	3.00e+00	5.16e-02	1.58e+00	1.18e-14	8.41e-01	1.59e-05	6.74e-01	3.14e-07	4.16e+00	1.41e-03
424	1.57e+01	7.02e-16	2.29e-02	2.00e-16	3.63e-02	3.00e-16	5.00e-01	2.90e-04	1.45e+00	5.94e-15	2.21e-01	7.02e-06	6.64e-01	2.92e-07	4.12e+00	8.25e-04
425	1.74e+01	9.44e-10	1.59e-02	2.00e-16	3.63e-02	2.00e-16	7.54e-02	1.31e-04	1.17e+00	5.78e-08	3.71e-02	7.73e-06	6.86e-01	1.75e-06	5.42e+00	2.57e-03
426	1.73e+01	6.04e-10	2.00e-02	3.00e-16	3.63e-02	3.00e-16	9.05e-02	1.32e-04	1.67e+00	1.58e-11	4.01e-02	3.82e-05	7.74e-01	8.31e-07	5.42e+00	5.74e-03
427	1.04e+01	2.54e-16	2.00e-02	1.00e-16	1.82e-02	1.00e-16	2.24e-01	1.13e-04	4.99e-01	1.70e-07	3.45e+00	8.85e-02	8.85e-02	2.18e-07	4.05e+00	3.24e-03
428	1.26e+01	6.78e-05	2.00e-02	1.00e-16	2.29e-02	1.30e-15	1.84e+00	3.35e-03	1.56e+00	4.21e-01	3.72e+00	6.85e+01	8.98e-01	4.59e-03	1.59e+01	1.50e-02
429	1.13e+01	3.70e-12	1.00e-02	1.00e-16	1.59e-02	2.00e-16	2.44e-01	6.32e-05	3.55e-01	8.43e-01	2.99e+00	9.36e-01	7.31e-02	1.12e-06	6.82e-02	1.18e-03
430	9.50e+00	1.24e-12	1.26e-02	0.00e+00	2.29e-02	0.00e+00	1.39e+00	3.75e-04	2.00e+00	7.60e-01	3.17e+00	8.36e+01	5.22e-01	2.52e-02	2.31e-01	1.05e-02



431	3.11e+01	6.05e-10	3.00e-02	2.00e-16	4.64e-02	2.00e-16	6.14e-01	1.74e-04	1.98e+00	2.35e-15	9.49e-02	3.68e-06	3.29e-01	5.98e-07	4.18e+00	1.54e-03
432	3.73e+01	4.76e-10	2.62e-02	3.00e-16	3.91e-02	7.00e-16	2.36e+00	1.33e-04	1.35e+00	3.39e-12	2.33e-01	1.38e-05	1.07e+00	1.28e-06	4.85e+00	1.49e-02
433	3.08e+01	1.74e-12	2.29e-02	1.00e-16	4.64e-02	1.00e-16	3.30e-01	4.13e-04	9.93e-01	6.77e-13	3.70e-01	3.05e-06	2.45e-01	6.10e-07	4.18e+00	8.81e-03
434	3.76e+01	2.11e-10	2.62e-02	2.00e-16	3.91e-02	2.00e-16	2.94e+00	6.93e-03	2.01e+00	4.81e-01	3.05e+00	1.62e-04	1.12e+00	9.06e-03	4.85e+00	2.05e-02
435	3.04e+01	3.93e-17	1.59e-02	2.00e-16	2.00e-02	2.00e-16	4.20e-01	5.71e-04	5.54e-01	3.37e-05	4.05e+00	1.36e+00	2.04e-01	7.67e-07	1.08e-01	9.87e-03
436	3.18e+01	2.88e-11	2.00e-02	6.00e-16	2.29e-02	6.00e-16	8.22e-01	1.03e-02	6.28e-01	2.90e-07	2.51e+00	5.38e-05	3.18e-01	2.29e-06	1.24e-01	6.34e-03
437	2.36e+01	9.15e-10	2.29e-02	3.00e-16	2.52e-02	3.00e-16	2.83e-01	4.54e-04	5.87e-01	4.18e-02	3.75e+00	1.11e-05	1.63e-01	3.14e-06	5.77e+00	3.88e-02
438	2.89e+01	3.47e-04	1.59e-02	4.00e-16	3.00e-02	4.00e-16	4.42e+00	5.72e+00	4.33e+00	1.25e+00	5.54e-01	2.19e-03	8.30e-01	2.44e-02	2.11e+01	4.68e-02
439	5.76e+01	2.56e-16	3.00e-02	2.00e-16	5.81e-02	2.00e-16	9.84e-01	1.24e-04	1.29e+00	6.88e-09	5.31e-01	4.04e-05	5.41e-01	1.28e-06	4.34e+00	2.22e-02
440	6.46e+01	9.95e-05	3.00e-02	2.00e-16	6.00e-02	8.00e-16	6.80e+00	9.76e-02	1.79e+00	2.57e-02	2.12e-01	1.09e-03	1.51e+00	5.26e-06	5.74e+00	1.08e-02
441	5.46e+01	6.85e-15	2.62e-02	3.00e-16	3.63e-02	8.00e-16	6.20e-01	1.78e-04	7.13e-01	1.07e+00	7.49e-01	3.55e-04	3.73e-01	4.69e-07	1.55e-01	2.09e-02
442	6.02e+01	3.91e-04	2.00e-02	4.00e-16	3.56e-02	8.00e-16	5.55e+00	1.19e+00	4.35e+00	5.10e-05	9.43e-02	1.19e-03	1.52e+00	2.43e-02	1.96e-01	3.80e-02
443	5.14e+01	1.90e-16	3.63e-02	2.00e-16	5.43e-02	2.00e-16	2.16e+00	3.32e-01	9.05e-01	1.32e-13	4.44e+00	7.63e-05	5.15e-01	1.29e-06	4.34e+00	1.24e-02
444	5.82e+01	3.60e-14	4.00e-02	3.00e-16	5.94e-02	2.00e-16	2.40e+00	5.00e-04	1.19e+00	1.08e-01	1.90e-01	6.47e-05	1.06e+00	5.81e-07	5.08e+00	2.95e-02
445	6.37e+01	1.62e-10	4.00e-02	3.00e-16	4.93e-02	3.00e-16	6.09e-01	2.03e-04	7.60e-01	7.74e-07	3.54e+00	1.03e-05	3.89e-01	5.19e-07	4.24e+00	2.64e-02
446	6.27e+01	1.14e-04	3.30e-02	4.00e-16	4.64e-02	4.00e-16	4.92e+00	2.27e-01	1.94e+00	2.62e-03	6.85e-01	3.63e-05	2.22e+00	3.67e-03	5.58e+00	2.48e-02
447	1.27e+02	5.27e-13	5.00e-02	1.00e-16	8.32e-02	6.00e-16	1.99e+00	7.25e-02	1.07e+00	8.88e-01	3.93e-01	3.08e-05	8.44e-01	5.03e-07	5.13e+00	7.32e-03
448	1.48e+02	1.41e-14	4.64e-02	4.00e-16	9.65e-02	9.00e-16	7.52e+00	6.75e-01	2.03e+00	4.22e-07	1.84e-01	1.78e-05	2.18e+00	7.61e-06	6.56e+00	2.77e-02
449	2.27e+02	2.18e-11	2.89e-01	4.00e-16	4.33e-01	6.00e-16	6.99e+00	1.46e-04	3.23e+00	5.49e-01	3.31e+01	3.58e-06	7.12e+00	1.69e-07	2.23e+02	6.25e-03
450	2.28e+02	4.50e-11	2.63e-01	3.00e-16	4.03e-01	9.00e-16	2.30e+01	5.09e-02	3.67e+00	4.81e-14	4.61e+01	6.42e+01	8.60e+00	6.94e-08	2.66e+02	4.50e-03
451	2.36e+02	1.55e-10	2.53e-01	9.00e-16	3.97e-01	8.00e-16	3.84e-01	8.82e-05	8.09e+00	1.67e-14	3.61e-01	5.82e-06	9.19e+00	7.71e-07	3.54e+02	3.33e-03
452	2.38e+02	5.55e-10	2.60e-01	1.30e-15	3.93e-01	9.00e-16	3.87e-01	3.54e-05	8.36e+00	2.73e-14	3.64e-01	7.15e-06	9.20e+00	4.25e-07	3.10e+02	1.86e-02
453	1.30e+02	8.83e-10	7.61e-02	1.00e-16	1.39e-01	1.00e-16	7.85e-01	2.44e-04	1.49e+00	8.10e-01	1.29e+01	3.06e+01	3.87e-01	1.28e-07	1.06e+02	1.09e-03
454	1.69e+02	6.73e-06	7.96e-02	3.00e-16	1.33e-01	1.40e-15	1.01e+01	6.68e-02	1.23e+01	3.08e-05	1.37e+01	1.18e+03	2.27e+00	6.95e-02	5.52e+02	5.84e-03
455	1.01e+02	1.11e-16	6.65e-02	1.00e-16	1.03e-01	1.00e-16	7.10e-01	1.18e-04	1.47e+00	1.51e-11	1.09e+01	4.65e+00	2.79e-01	6.31e-08	3.23e-01	1.60e-03
456	1.07e+02	2.21e-05	7.00e-02	1.00e-16	1.10e-01	2.00e-16	8.21e+00	7.51e-02	1.60e+01	4.77e-02	1.14e+01	3.52e+02	3.12e+00	8.19e-03	2.46e+00	2.27e-02
457	4.79e+02	4.27e-13	2.93e-01	3.00e-16	4.47e-01	3.00e-16	2.39e+00	4.66e-04	4.19e+00	4.35e-03	5.52e+01	7.92e+00	5.72e+00	8.59e-08	2.66e+02	7.63e-03
458	6.02e+02	4.65e-10	2.87e-01	4.00e-16	4.22e-01	1.00e-15	3.06e+01	3.32e-01	9.20e+00	2.41e-04	5.48e+01	6.24e+01	1.46e+01	6.33e-03	3.54e+02	1.29e-02
459	4.21e+02	1.86e-15	3.10e-01	4.00e-16	4.63e-01	4.00e-16	4.13e+00	3.27e-04	7.06e-01	NaN		1.56e+01	2.87e+00	1.08e-07	2.66e+02	2.35e-03
460	5.57e+02	4.60e-12	3.03e-01	1.00e-16	4.70e-01	1.00e-16	3.24e+01	1.25e+00	1.58e+01	1.67e-02	5.21e+01	5.92e+02	1.50e+01	4.60e-02	3.53e+02	1.48e-02
461	3.23e+02	9.26e-10	9.97e-02	4.00e-16	1.53e-01	4.00e-16	3.95e+00	1.02e-01	2.08e+00	8.83e-01	1.45e+01	6.23e+00	1.25e+00	3.88e-07	4.75e-01	3.26e-02
462	4.04e+02	4.29e-05	9.32e-02	4.00e-16	1.63e-01	4.00e-16	1.50e+01	4.38e+00	4.34e+01	1.46e-06	1.70e+01	5.92e+02	3.22e+00	1.74e-01	5.47e-01	1.53e-01
463	2.49e+02	8.68e-10	9.65e-02	3.00e-16	1.56e-01	3.00e-16	4.05e+00	2.13e-04	2.01e+00	7.40e-01	1.47e+01	4.17e+01	9.93e-01	7.32e-07	2.29e+02	6.97e-03
464	3.62e+02	4.68e-05	1.03e-01	4.00e-16	1.70e-01	4.00e-16	9.92e+00	1.22e+01	5.64e+01	2.02e+00	1.70e+01	2.47e+02	3.77e+00	2.18e-01	5.87e+02	6.31e-02
465	7.96e+02	3.22e-12	3.32e-01	4.00e-16	5.63e-01	4.00e-16	1.25e+00	5.02e-04	5.69e+00	2.79e-04	6.27e+01	5.65e+00	4.29e+00	2.22e-07	2.66e+02	1.44e-02
466	9.01e+02	1.04e-04	3.33e-01	2.00e-16	5.36e-01	1.00e-15	3.38e+01	5.75e-02	1.53e+01	3.06e-07	6.28e+01	5.65e+01	2.99e+01	9.16e-03	3.97e+02	1.43e-02
467	4.47e+02	3.09e-15	1.23e-01	4.00e-16	2.20e-01	4.00e-16	4.07e+00	6.75e-04	2.68e+00	1.65e-04	1.84e+01	3.97e+00	2.52e+00	8.84e-07	6.71e-01	8.37e-03
468	7.17e+02	7.17e-12	1.30e-01	4.00e-16	2.13e-01	8.00e-16	2.68e+01	8.32e+00	7.16e+01	1.34e+00	2.22e+01	7.91e+01	4.99e+00	2.70e-01	8.47e-01	7.12e-02
469	7.78e+02	6.08e-12	3.53e-01	4.00e-16	5.63e-01	4.00e-16	5.90e+00	4.80e-04	5.30e+00	3.04e-13	1.68e+01	1.01e-05	5.28e+00	1.12e-07	3.10e+02	3.63e-03
470	9.00e+02	2.46e-14	3.57e-01	6.00e-16	5.63e-01	6.00e-16	1.81e+01	2.01e-04	7.45e+00	3.03e-12	6.35e+01	9.55e+00	1.19e+01	9.51e-08	3.10e+02	1.16e-02
471	7.80e+02	4.96e-13	3.60e-01	3.00e-16	5.32e-01	3.00e-16	7.97e+00	4.43e-04	3.83e+00	4.46e-02	6.22e+01	6.11e+01	4.19e+00	1.06e-06	3.10e+02	7.86e-03
472	9.01e+02	2.41e-05	3.50e-01	4.00e-16	5.13e-01	4.00e-16	3.97e+01	7.06e+00	1.89e+01	7.64e-01	6.16e+01	6.95e+01	1.42e+01	1.57e-01	3.10e+02	6.20e-02
473	9.04e+02	8.15e-06	4.36e-01	2.00e-16	6.80e-01	2.00e-16	8.89e+00	4.93e-04	5.09e+00	1.13e-08	1.99e+01	1.85e-05	7.39e+00	3.01e-07	3.10e+02	2.57e-02
474	9.04e+02	2.60e-05	4.30e-01	6.00e-16	6.66e-01	8.00e-16	6.29e+01	1.33e+00	2.07e+01	2.08e-01	2.95e+00	3.20e-05	2.20e+01	1.23e-01	4.42e+02	4.33e-02
475	1.21e+00	1.62e-14	3.53e-01	2.12e-14	2.83e+00	1.53e-13	1.29e+00	3.04e-01	1.11e+00	2.64e-13	1.90e+00	2.21e+00	1.13e+00	9.26e-06	1.01e+00	1.98e-02
476	1.14e+00	3.71e-14	1.00e-02	6.00e-16	1.26e-02	2.00e-16	1.21e+00	3.20e-01	8.25e-01	2.71e-13	1.89e+00	1.19e+00	1.13e+00	6.20e-06	1.01e+00	1.07e-02
477	1.39e+00	4.80e-15	5.77e-01	1.62e-14	2.01e+00	1.57e-14	1.05e+00	2.82e-04	1.14e+00	2.31e-13	1.89e+00	5.55e+01	1.13e+00	8.40e-06	1.05e+00	1.10e-02
478	1.07e+00	1.05e-14	1.23e-01	3.60e-15	1.56e-01	1.28e-14	4.28e-01	9.83e-05	1.14e+00	4.38e-14	4.51e-01	2.57e-03	1.12e+00	4.88e-06	1.01e+00	7.38e-03
479	1.10e+00	3.77e-15	1.03e+00	3.81e-13	4.22e+00	2.27e-13	4.71e-01	2.23e-04	1.11e+00	5.41e-14	5.30e-01	8.80e-06	1.18e+00	3.60e-06	1.01e+00	9.65e-03
480	1.00e+00	1.45e-14	1.53e+00	1.10e-13	4.25e+00	2.36e-13	4.23e-01	2.01e-04	1.14e+00	4.21e-14	4.35e-01	3.62e-03	1.18e+00	8.78e-06	1.05e+00	5.37e-03
481	1.05e+00	2.82e-15	7.43e-01	1.62e-13	1.30e+01	2.74e-13	4.11e-01	6.99e-05	1.12e+00	4.21e-14	4.70e-01	8.00e-06	1.12e+00	1.12e-05	9.65e-01	1.73e-02
482	1.02e+00	2.96e-15	6.27e-01	2.04e-14	2.08e+00	1.48e-13	4.09e-01	1.17e-04	1.13e+00	3.25e-14	4.37e-01	7.14e-06	1.12e+00	8.70e-06	1.01e+00	1.40e-02
483	1.05e+00	1.73e-14	1.24e+00	6.47e-14	6.73e+00	1.26e-13	4.85e-01	2.05e-04	1.13e+00	4.37e-14	4.74e-01	1.78e-05	1.12e+00	7.41e-06	1.01e+00	1.56e-02
484	1.05e+00	6.34e-15	5.30e-01	3.29e-14	2.38e+00	1.83e-13	4.67e-01	1.29e-04	1.10e+00	3.26e-14	5.08e-01	6.06e-06	1.15e+00	2.41e-06	1.01e+00	7.94e-03
485	1.18e+00	2.28e-15	8.06e-01	3.34e-14	4.41e+00	1.36e-13	4.15e-01	1.12e-04	1.13e+00	4.02e-14	4.14e-01	7.82e-06	1.12e+00	6.55e-06	1.01e+00	6.11e-03

486	1.05e+00	2.04e-15	6.80e-01	2.99e-14	3.58e+00	1.77e-13	4.85e-01	2.09e-04	1.11e+00	5.65e-14	4.85e-01	7.66e-06	1.15e+00	5.95e-06	1.01e+00	2.19e-02
487	1.24e+00	2.27e-15	7.56e-01	2.16e-13	2.50e+00	3.63e-14	6.24e-01	3.06e-04	1.17e+00	6.95e-14	6.01e-01	1.16e-05	1.40e+00	7.01e-06	1.26e+00	1.48e-02
488	1.40e+00	2.58e-14	6.23e-01	4.12e-14	5.90e+00	2.86e-13	1.49e+00	1.69e-02	1.16e+00	5.18e-13	2.12e+00	4.64e+00	1.32e+00	4.03e-05	1.18e+00	5.07e-03
489	1.34e+00	8.34e-15	2.53e-01	1.10e-14	1.01e+00	1.00e-13	1.25e+00	3.88e-04	1.18e+00	8.99e-14	1.24e+00	2.50e-05	1.40e+00	8.55e-06	1.26e+00	1.42e-02
490	1.59e+00	1.99e-15	1.43e-01	1.25e-14	3.53e-01	9.80e-15	1.26e+00	1.64e-02	8.95e-01	2.83e-01	2.12e+00	9.65e-01	1.41e+00	5.04e-06	1.22e+00	2.92e-02
491	1.16e+00	2.86e-15	8.73e-01	2.20e-13	3.82e+00	8.39e-13	1.05e+00	3.26e-04	1.19e+00	9.94e-14	2.11e+00	3.29e-01	1.40e+00	1.08e-05	1.26e+00	1.09e-02
492	1.12e+00	4.56e-15	1.52e+00	5.68e-14	8.51e+00	1.43e-13	5.22e-01	1.89e-04	1.17e+00	4.61e-14	5.90e-01	1.85e-05	1.38e+00	5.30e-06	1.18e+00	1.18e-02
493	1.06e+00	1.66e-14	3.44e+00	3.88e-14	2.43e+01	1.95e-13	4.92e-01	1.37e-04	1.17e+00	2.88e-14	5.43e-01	1.27e-05	1.38e+00	7.80e-06	1.17e+00	1.69e-02
494	1.07e+00	3.05e-15	2.15e+00	7.35e-13	2.13e+01	1.90e-13	4.79e-01	2.27e-04	1.19e+00	6.58e-14	5.39e-01	8.88e-06	1.41e+00	1.12e-05	1.18e+00	1.82e-02
495	1.13e+00	1.56e-14	3.60e+00	6.77e-13	1.38e+01	2.29e-13	5.45e-01	1.47e-04	1.17e+00	3.81e-14	5.93e-01	8.75e-06	1.38e+00	1.32e-05	1.22e+00	5.17e-03
496	1.20e+00	6.27e-15	7.97e-01	1.44e-13	7.20e+00	1.76e-13	5.45e-01	2.30e-04	1.17e+00	3.71e-14	5.94e-01	1.69e-05	1.29e+00	1.03e-05	1.18e+00	1.77e-02
497	1.11e+00	2.07e-15	1.99e+00	3.46e-14	1.28e+01	1.97e-13	5.05e-01	2.10e-04	1.19e+00	5.21e-14	5.54e-01	6.41e-06	1.44e+00	4.79e-06	1.23e+00	6.16e-03
498	1.11e+00	1.86e-15	1.32e+00	2.35e-14	8.00e+00	1.93e-13	5.36e-01	1.94e-04	1.17e+00	4.33e-14	5.94e-01	1.14e-05	1.38e+00	1.57e-05	1.18e+00	7.50e-03
499	1.83e+00	1.17e-14	2.43e-01	2.08e-13	5.73e-01	5.68e-14	1.42e+00	4.22e-02	1.23e+00	1.94e-12	8.86e-01	1.93e-05	1.51e+00	6.62e-06	1.32e+00	3.67e-02
500	2.27e+00	9.58e-15	1.43e-01	3.60e-15	3.60e-01	1.42e-14	1.52e+00	1.22e-01	1.02e+00	3.59e-08	7.52e-01	3.94e-05	1.54e+00	3.03e-05	1.36e+00	2.39e-02
501	1.60e+00	1.34e-14	9.23e-01	3.08e-13	6.20e+00	1.38e-13	1.84e+00	2.04e-01	1.21e+00	4.56e-13	2.30e+00	3.38e+00	1.51e+00	9.92e-06	1.27e+00	3.18e-02
502	1.89e+00	6.68e-15	5.30e-01	1.49e-13	2.24e+00	1.12e-14	1.54e+00	5.76e-02	1.25e+00	1.99e-13	8.80e-01	3.85e-05	1.54e+00	3.78e-06	1.36e+00	9.53e-03
503	1.52e+00	2.24e-15	4.13e-01	1.46e-13	3.91e+00	4.24e-13	1.48e+00	2.23e-01	1.05e+00	5.70e-01	8.93e-01	3.41e-05	1.57e+00	2.61e-05	1.40e+00	1.47e-02
504	1.21e+00	2.79e-15	3.13e+00	4.87e-14	2.69e+01	6.69e-13	6.15e-01	2.47e-04	1.22e+00	3.14e-14	6.97e-01	1.07e-05	1.51e+00	1.20e-05	1.32e+00	1.52e-02
505	1.16e+00	1.57e-14	4.65e+00	1.86e-13	5.60e+01	3.78e-13	5.62e-01	2.48e-04	1.24e+00	3.64e-14	6.51e-01	6.38e-06	1.51e+00	1.08e-05	1.32e+00	2.55e-02
506	1.17e+00	2.79e-15	3.43e+00	1.09e-13	1.63e+01	1.36e-13	5.57e-01	1.34e-04	1.23e+00	3.95e-14	6.49e-01	8.40e-06	1.54e+00	4.41e-06	1.32e+00	1.05e-02
507	1.23e+00	1.49e-14	5.68e+00	3.51e-14	5.42e+01	5.32e-14	6.04e-01	1.47e-04	1.23e+00	3.80e-14	6.99e-01	8.09e-06	1.51e+00	9.77e-06	1.27e+00	3.85e-02
508	1.41e+00	5.82e-15	2.30e+00	1.99e-13	1.43e+01	1.26e-13	6.20e-01	2.39e-04	1.24e+00	5.35e-14	6.76e-01	1.68e-05	1.51e+00	1.23e-05	1.32e+00	1.22e-02
509	1.18e+00	2.28e-15	2.85e+00	4.90e-14	3.88e+01	2.10e-13	5.74e-01	2.67e-04	1.25e+00	7.23e-14	6.89e-01	1.17e-05	1.56e+00	1.91e-05	1.32e+00	2.53e-02
510	1.26e+00	3.66e-15	2.14e+00	1.36e-13	1.24e+01	4.81e-13	5.95e-01	2.49e-04	1.23e+00	4.57e-14	6.89e-01	2.93e-03	1.51e+00	3.85e-06	1.27e+00	2.44e-02
511	2.76e+00	8.12e-15	1.53e+00	1.92e-13	5.73e+00	2.42e-13	1.85e+00	7.50e-04	1.29e+00	6.00e-10	1.31e+00	5.41e-05	2.07e+00	1.94e-05	1.72e+00	2.78e-02
512	1.94e+00	1.63e-05	6.67e+00	9.80e-13	3.80e+01	9.33e-13	2.23e+00	4.70e-01	1.58e+00	1.97e-13	3.16e+00	1.05e+02	2.15e+00	5.11e-05	1.89e+00	1.14e-02
513	1.46e+00	2.28e-10	6.00e-02	1.40e-15	5.65e-02	8.00e-16	1.80e+00	2.74e-01	1.34e+00	8.46e-11	3.14e+00	2.82e+01	2.11e+00	3.43e-06	1.89e+00	7.90e-03
514	1.80e+00	2.92e-06	7.83e+00	2.78e-12	4.22e+01	8.23e-14	2.02e+00	1.49e-01	1.58e+00	5.62e-14	3.15e+00	1.40e+02	2.32e+00	1.95e-05	2.02e+00	1.01e-02
515	1.79e+00	3.13e-15	6.43e-01	4.71e-14	1.17e+00	2.51e-14	6.24e-01	1.50e-04	1.58e+00	1.05e-14	7.03e-01	6.74e-06	2.05e+00	8.11e-06	1.88e+00	4.19e-03
516	1.77e+00	5.22e-15	9.72e+00	1.10e-12	6.95e+01	5.59e-13	7.41e-01	1.80e-04	1.56e+00	2.42e-14	7.99e-01	8.64e-06	2.20e+00	2.19e-05	1.96e+00	7.30e-03
517	1.63e+00	3.59e-15	1.20e+01	1.08e-12	7.60e+01	1.60e-13	6.30e-01	1.88e-04	1.57e+00	1.64e-14	6.96e-01	7.70e-06	2.11e+00	2.69e-06	1.88e+00	3.87e-03
518	1.72e+00	4.16e-15	9.53e+00	7.43e-13	5.67e+01	2.50e-12	6.38e-01	1.60e-04	1.57e+00	1.55e-14	7.16e-01	1.21e-05	2.10e+00	4.31e-06	1.89e+00	7.42e-03
519	1.62e+00	3.01e-06	9.00e+00	1.59e-12	6.59e+01	1.81e-12	6.47e-01	9.60e-05	1.57e+00	1.47e-14	6.84e-01	1.89e-03	2.15e+00	7.10e-06	1.89e+00	1.01e-02
520	1.76e+00	3.28e-15	1.08e+01	6.58e-13	8.99e+01	6.70e-13	7.46e-01	2.10e-04	1.57e+00	1.95e-14	8.02e-01	9.29e-06	2.05e+00	6.25e-06	1.89e+00	3.98e-03
521	1.75e+00	7.42e-15	5.10e+00	8.99e-13	4.65e+01	1.26e-12	7.36e-01	1.69e-04	1.56e+00	2.71e-14	8.07e-01	2.59e-03	2.16e+00	2.51e-05	1.89e+00	7.02e-03
522	1.79e+00	3.75e-15	1.18e+01	7.09e-13	7.12e+01	1.27e-13	6.28e-01	1.72e-04	1.57e+00	1.78e-14	7.02e-01	7.50e-06	2.15e+00	2.33e-06	1.89e+00	8.04e-03
523	1.78e+00	4.42e-15	9.20e+00	7.89e-13	7.01e+01	1.60e-13	7.55e-01	1.86e-04	1.57e+00	2.40e-14	8.82e-01	5.07e-03	2.24e+00	1.19e-05	2.02e+00	4.12e-03
524	2.24e+00	3.73e-15	9.40e+00	6.51e-12	5.73e+01	8.54e-14	1.19e+00	4.51e-04	1.66e+00	2.75e-14	1.09e+00	1.53e-04	2.55e+00	6.58e-06	2.26e+00	1.15e-02
525	2.36e+00	3.63e-14	1.24e+01	1.13e-12	5.28e+01	9.72e-13	2.55e+00	4.35e-02	1.68e+00	3.57e-13	3.54e+00	8.94e+00	2.60e+00	2.52e-05	2.32e+00	8.27e-03
526	2.27e+00	1.13e-14	1.71e+00	9.92e-14	5.74e+00	1.65e-13	2.23e+00	3.13e-04	1.66e+00	5.97e-14	3.54e+00	3.91e+00	2.60e+00	4.06e-05	2.32e+00	1.04e-02
527	2.96e+00	4.77e-15	7.60e-01	2.40e-14	3.82e+00	1.01e-13	2.37e+00	2.02e-01	1.58e+00	7.11e-01	3.55e+00	2.30e+01	2.51e+00	1.16e-05	2.25e+00	1.13e-02
528	1.96e+00	6.97e-15	1.61e+01	2.22e-12	6.94e+01	2.63e-12	2.22e+00	1.75e-03	1.66e+00	4.18e-14	3.56e+00	1.36e+01	2.60e+00	1.97e-05	2.19e+00	3.68e-02
529	1.88e+00	5.60e-15	1.72e+01	9.67e-13	9.73e+01	7.53e-13	8.51e-01	2.59e-04	1.64e+00	2.55e-14	1.00e+00	1.65e-05	2.50e+00	5.66e-06	2.19e+00	7.07e-03
530	1.84e+00	3.91e-15	2.83e+01	8.57e-13	1.50e+02	1.18e-13	7.46e-01	1.88e-04	1.65e+00	1.71e-14	9.14e-01	3.44e-03	2.60e+00	3.17e-06	2.11e+00	3.45e-02
531	1.86e+00	3.95e-15	2.12e+01	1.12e-12	9.25e+01	2.01e-13	7.77e-01	1.09e-04	1.65e+00	1.40e-14	9.23e-01	6.94e-06	2.55e+00	6.36e-06	2.25e+00	2.10e-02
532	1.93e+00	4.28e-15	2.79e+01	1.09e-12	1.41e+02	1.06e-12	8.44e-01	2.56e-04	1.65e+00	2.79e-14	9.99e-01	3.33e-03	2.55e+00	1.02e-05	2.26e+00	1.27e-02
533	2.02e+00	6.92e-15	1.36e+01	9.91e-13	7.25e+01	1.37e-12	8.42e-01	1.97e-04	1.65e+00	2.48e-14	9.78e-01	1.82e-03	2.50e+00	6.71e-06	2.11e+00	2.86e-02
534	1.90e+00	4.04e-15	1.42e+01	1.02e-12	1.03e+02	2.66e-13	7.98e-01	1.31e-04	1.66e+00	2.40e-14	9.68e-01	1.06e-05	2.60e+00	2.90e-06	2.25e+00	9.38e-03
535	1.93e+00	1.18e-05	1.75e+01	9.10e-13	9.91e+01	8.18e-13	8.67e-01	1.49e-04	1.65e+00	2.14e-14	1.05e+00	3.54e-03	2.64e+00	5.19e-06	2.25e+00	7.67e-03
536	2.95e+00	2.68e-05	2.95e+00	3.21e-13	1.21e+01	3.09e-14	2.59e+00	3.83e-03	1.90e+00	1.68e-13	3.84e+00	2.61e+00	3.01e+00	6.41e-05	2.58e+00	1.72e-02
537	3.66e+00	2.82e-10	8.33e-01	2.94e-14	1.47e+00	7.79e-14	2.24e+00	7.68e-01	1.61e+00	3.26e-11	1.38e+00	1.60e-05	2.93e+00	5.26e-05	2.44e+00	5.39e-02
538	2.60e+00	3.62e-14	1.62e+01	7.62e-13	8.71e+01	8.83e-13	2.62e+00	5.77e-01	1.87e+00	3.23e-13	3.85e+00	3.77e+00	2.92e+00	2.19e-05	2.52e+00	1.02e-02
539	3.13e+00	2.43e-10	1.52e+01	1.22e-10	4.21e+01	9.57e-14	2.51e+00	4.74e-01	1.71e+00	3.78e-06	3.84e+00	5.10e-01	3.05e+00	5.09e-05	2.58e+00	3.97e-02
540	2.70e+00	7.29e-15	4.70e+00	9.85e-14	3.47e+01	5.68e-14	2.52e+00	6.74e-01	1.69e+00	1.03e-12	3.84e+00	3.80e-01	2.92e+00	3.08e-05	2.45e+00	1.53e-02

541	2.01e+00	4.71e-15	2.69e+01	1.11e-12	1.27e+02	7.37e-13	9.49e-01	2.77e-04	1.88e+00	3.22e-14	1.20e+00	1.87e-05	2.88e+00	1.93e-05	2.37e+00	2.12e-02
542	1.96e+00	4.26e-15	5.34e+01	8.41e-13	2.04e+02	3.08e-13	8.42e-01	1.50e-04	1.84e+00	2.20e-14	1.09e+00	1.41e-05	2.88e+00	7.24e-06	2.44e+00	1.15e-02
543	1.95e+00	4.45e-15	2.36e+01	8.93e-13	1.00e+02	6.59e-13	8.65e-01	2.11e-04	1.84e+00	1.95e-14	1.09e+00	1.81e-05	2.78e+00	1.65e-05	2.37e+00	1.66e-02
544	2.01e+00	3.90e-15	5.07e+01	9.97e-13	2.06e+02	1.18e-13	9.72e-01	1.35e-04	1.87e+00	2.76e-14	1.15e+00	2.07e-05	2.88e+00	1.58e-05	2.45e+00	2.29e-02
545	2.31e+00	8.00e-15	3.72e+01	6.76e-13	1.12e+02	1.08e-12	9.72e-01	9.04e-05	1.87e+00	2.31e-14	1.30e+00	1.06e-03	2.97e+00	1.08e-05	2.52e+00	1.14e-02
546	1.94e+00	3.72e-05	2.45e+01	6.78e-13	1.26e+02	1.87e-13	8.88e-01	1.45e-04	1.86e+00	2.24e-14	1.14e+00	2.40e-04	2.88e+00	7.65e-06	2.45e+00	1.11e-02
547	2.01e+00	4.60e-15	1.87e+01	9.27e-13	1.28e+02	1.21e-12	9.36e-01	2.15e-04	1.86e+00	2.60e-14	1.23e+00	1.02e-05	2.78e+00	3.98e-06	2.37e+00	1.13e-02
548	5.52e+00	7.67e-01	4.86e+01	8.22e-12	8.80e+01	2.81e-13	3.36e+00	1.24e+00	2.06e+00	7.30e-01	2.09e+00	2.05e-05	4.05e+00	2.58e-05	3.23e+00	9.71e-02

Inst.	ISAL1 w/ HOC			CPLEX (w/o HOC)			SoPlex (w/o HOC)			SPGL1 w/ HOC			$\ell_1$ -Homotopy w/ HOC			YALL1 w/ HOC			$\ell_1$ -MAGIC w/ HOC			SparseLab w/ HOC		
	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $	$t$	$ \mathcal{S} $	$\ \bar{x} - x^*\ $
1	3.78e-01	3.95e-12	8.96e-02	1.07e-12	1.39e-01	2.45e-11	3.95e-01	2.05e-12	2.26e-02	2.05e-12	2.17e+01	6.76e+03	9.80e-01	2.05e-12	1.53e+00	2.05e-12	1.53e+00	2.05e-12	1.53e+00	2.05e-12	1.53e+00	2.05e-12	1.53e+00	2.05e-12
2	3.50e-01	4.02e-10	1.59e-01	2.69e-10	2.66e-01	2.58e-09	7.75e-01	4.09e-11	1.29e-02	4.09e-11	2.43e+01	1.39e+04	1.48e+00	4.09e-11	1.62e+00	4.09e-11	1.62e+00	4.09e-11	1.62e+00	4.09e-11	1.62e+00	4.09e-11	1.62e+00	4.09e-11
3	2.87e-01	3.77e-15	1.00e-02	0.00e+00	1.26e-02	0.00e+00	1.38e-01	3.55e-15	1.39e-02	3.55e-15	6.43e-01	2.66e+00	1.63e+00	4.62e-15	1.19e+00	3.55e-15	1.63e+00	4.62e-15	1.19e+00	3.55e-15	1.63e+00	4.62e-15	1.19e+00	3.55e-15
4	4.02e-01	0.00e+00	1.00e-02	7.10e-15	1.26e-02	7.10e-15	1.08e+00	7.11e-15	3.34e-01	7.11e-15	2.63e+00	8.06e+01	1.80e+00	7.11e-15	1.95e+00	7.11e-15	1.80e+00	7.11e-15	1.95e+00	7.11e-15	1.80e+00	7.11e-15	1.95e+00	7.11e-15
5	2.95e-01	3.31e-11	1.13e-01	9.95e-11	1.19e-01	7.93e-11	4.20e-01	7.11e-11	1.82e-02	7.11e-11	6.07e+00	7.92e+00	1.75e+00	7.11e-11	1.76e+00	5.12e-11	1.75e+00	7.11e-11	1.76e+00	5.12e-11	1.75e+00	7.11e-11	1.76e+00	5.12e-11
6	2.90e-01	1.57e-10	8.65e-02	1.46e-11	1.23e-01	2.91e-11	6.38e-01	4.01e-11	2.51e-02	4.01e-11	1.97e+01	1.66e+04	1.62e+00	1.32e-10	1.91e+00	4.01e-11	1.66e+04	1.62e+00	1.32e-10	1.91e+00	4.01e-11	1.66e+04	1.62e+00	4.01e-11
7	2.69e-01	5.67e-10	1.07e-01	7.95e-11	1.73e-01	7.20e-11	8.67e-02	4.75e-10	6.82e-02	4.75e-10	7.99e-02	3.64e+02	2.01e+00	4.75e-10	1.90e+00	4.85e-10	2.01e+00	4.75e-10	1.90e+00	4.85e-10	2.01e+00	4.75e-10	1.90e+00	4.85e-10
8	2.54e-01	3.84e-10	1.16e-01	1.38e-10	1.76e-01	5.84e-11	6.52e-02	1.60e-10	6.83e-02	1.60e-10	1.19e-01	1.22e+02	1.89e+00	1.60e-10	1.75e+00	1.60e-10	1.89e+00	1.60e-10	1.75e+00	1.60e-10	1.89e+00	1.60e-10	1.75e+00	1.60e-10
9	2.77e-01	1.61e-11	6.07e-01	1.35e-10	1.92e+00	3.57e-10	7.28e-02	9.64e-12	3.53e-02	9.64e-12	1.18e-01	1.88e+01	1.36e+00	1.08e-11	1.61e+00	9.64e-12	1.36e+00	1.08e-11	1.61e+00	9.64e-12	1.36e+00	1.08e-11	1.61e+00	9.64e-12
10	2.65e-01	1.78e-11	5.03e-01	2.20e-10	9.50e-01	5.40e-10	8.57e-02	5.40e-11	3.59e-02	5.40e-11	1.54e-01	6.23e+00	1.75e+00	5.40e-11	1.76e+00	2.36e-11	1.75e+00	5.40e-11	1.76e+00	2.36e-11	1.75e+00	5.40e-11	1.76e+00	2.36e-11
11	2.08e-01	4.24e-10	1.83e+00	1.33e-09	2.69e+00	3.48e-09	7.37e-02	5.11e-11	5.07e-02	5.11e-11	6.26e-02	2.90e+02	1.74e+00	5.11e-11	1.89e+00	5.11e-11	1.74e+00	5.11e-11	1.89e+00	5.11e-11	1.74e+00	5.11e-11	1.89e+00	5.11e-11
12	2.09e-01	6.13e-10	1.99e+00	1.33e-09	4.53e+00	2.20e-09	6.54e-02	1.05e-10	5.29e-02	1.05e-10	7.53e-02	2.80e+02	1.74e+00	1.05e-10	1.75e+00	1.02e-10	2.80e+02	1.74e+00	1.05e-10	1.75e+00	1.02e-10	2.80e+02	1.75e+00	1.02e-10
13	2.21e-01	7.02e-11	1.04e+00	2.22e-09	2.29e+00	5.72e-09	5.85e-02	5.72e-11	5.10e-02	5.72e-11	6.72e-02	2.39e+02	1.62e+00	8.24e-11	1.90e+00	5.72e-11	2.39e+02	1.62e+00	8.24e-11	1.90e+00	5.72e-11	2.39e+02	1.75e+00	5.72e-11
14	2.35e-01	2.22e-11	5.73e-01	3.90e-10	2.40e+00	4.62e-09	7.22e-02	3.63e-11	5.12e-02	3.63e-11	8.27e-02	1.07e+02	1.75e+00	3.63e-11	1.76e+00	8.51e-11	1.75e+00	3.63e-11	1.76e+00	8.51e-11	1.75e+00	3.63e-11	1.76e+00	8.51e-11
15	2.22e-01	5.81e-11	6.06e-01	4.73e-10	4.10e+00	4.36e-09	7.42e-02	8.06e-11	5.51e-02	8.06e-11	9.89e-02	5.81e+01	1.75e+00	8.06e-11	2.05e+00	8.06e-11	1.75e+00	8.06e-11	2.05e+00	8.06e-11	1.75e+00	8.06e-11	2.05e+00	8.06e-11
16	2.24e-01	1.71e-11	7.63e-01	4.48e-10	2.30e+00	1.01e-09	7.38e-02	6.84e-11	5.82e-02	6.84e-11	1.41e-01	1.55e+01	1.62e+00	6.84e-11	1.90e+00	6.84e-11	1.62e+00	6.84e-11	1.90e+00	6.84e-11	1.62e+00	6.84e-11	1.90e+00	6.84e-11
17	2.78e-01	3.29e-10	1.59e+00	5.85e-10	4.21e+00	5.48e-09	7.95e-02	6.62e-11	3.51e-02	6.62e-11	1.28e-01	1.31e+01	1.74e+00	6.62e-11	1.77e+00	6.62e-11	1.74e+00	6.62e-11	1.77e+00	6.62e-11	1.74e+00	6.62e-11	1.77e+00	6.62e-11
18	2.67e-01	4.09e-10	1.58e+00	3.01e-09	3.42e+00	6.94e-09	7.94e-02	1.16e-10	3.72e-02	1.16e-10	1.04e-01	7.36e+01	1.75e+00	1.16e-10	1.77e+00	1.16e-10	7.36e+01	1.75e+00	1.16e-10	1.77e+00	1.16e-10	7.36e+01	1.77e+00	1.16e-10
19	2.90e-01	7.92e-11	5.07e-01	3.92e-09	6.57e-01	4.05e-09	5.90e-02	2.43e-11	3.52e-02	2.43e-11	9.32e-02	3.98e+01	1.49e+00	2.43e-11	1.62e+00	2.43e-11	3.98e+01	1.49e+00	2.43e-11	1.62e+00	2.43e-11	3.98e+01	1.62e+00	2.43e-11
20	2.96e-01	1.90e-10	4.73e-01	1.72e-09	1.41e+00	5.73e-09	8.47e-02	2.64e-10	3.58e-02	2.64e-10	1.05e-01	2.07e+02	1.62e+00	9.83e-11	1.62e+00	1.09e-10	2.07e+02	1.62e+00	9.83e-11	1.62e+00	1.62e+00	2.07e+02	1.62e+00	1.09e-10
21	2.33e-01	6.91e-11	5.13e-01	4.71e-10	1.34e+00	7.56e-09	8.23e-02	7.55e-11	5.31e-02	7.55e-11	1.28e-01	5.15e+01	1.75e+00	7.55e-11	1.91e+00	8.14e-11	5.15e+01	1.75e+00	7.55e-11	1.91e+00	8.14e-11	5.15e+01	1.75e+00	8.14e-11
22	2.18e-01	5.61e-11	5.50e-01	3.27e-10	2.78e+00	3.75e-09	8.30e-02	5.88e-11	5.32e-02	5.88e-11	7.44e-02	7.03e+01	1.75e+00	5.88e-11	1.96e+00	5.20e-11	7.03e+01	1.75e+00	5.88e-11	1.96e+00	5.20e-11	7.03e+01	1.96e+00	5.20e-11
23	2.97e-01	4.96e-11	4.13e-01	3.70e-10	6.26e-01	3.20e-09	9.24e-02	9.60e-11	3.50e-02	9.60e-11	1.54e-01	3.79e+01	1.49e+00	9.60e-11	1.62e+00	9.60e-11	3.79e+01	1.49e+00	9.60e-11	1.62e+00	9.60e-11	3.79e+01	1.62e+00	9.60e-11
24	2.68e-01	4.67e-11	3.70e-01	4.76e-10	7.80e-01	1.44e-09	7.83e-02	1.02e-10	3.56e-02	1.02e-10	9.09e-02	1.10e+02	1.62e+00	1.02e-10	1.63e+00	1.02e-10	1.10e+02	1.62e+00	1.02e-10	1.63e+00	1.02e-10	1.10e+02	1.63e+00	1.02e-10
25	4.08e-01	5.21e-11	3.13e-01	4.74e-10	3.93e-01	4.97e-10	2.39e-01	4.80e-11	3.70e-02	4.80e-11	1.33e-01	1.11e+02	2.36e+00	4.80e-11	2.57e+00	4.80e-11	1.11e+02	2.36e+00	4.80e-11	2.57e+00	4.80e-11	1.11e+02	2.57e+00	4.80e-11
26	4.28e-01	2.70e-12	2.36e-01	4.26e-12	4.43e-01	5.05e-11	1.35e-01	3.81e-12	4.19e-02	3.81e-12	1.07e-01	2.70e-12	1.80e+00	3.81e-12	2.36e+00	3.81e-12	2.70e-12	1.80e+00	3.81e-12	2.36e+00	3.81e-12	2.70e-12	1.80e+00	3.81e-12
27	5.61e-01	2.79e-10	2.03e-01	2.73e-10	3.83e-01	1.55e-09	3.19e+00	1.21e+00	2.67e-02	1.95e-10	3.17e+01	1.32e+02	2.17e+00	1.95e-10	2.36e+00	1.95e-10	3.17e+01	2.17e+00	1.95e-10	2.36e+00	1.95e-10	3.17e+01	2.36e+00	1.95e-10
28	5.87e-01	2.69e-11	1.96e-01	5.09e-11	3.23e-01	7.68e-11	1.17e+00	9.32e-12	2.67e-02	9.32e-12	3.93e+01	6.68e+03	1.98e+00	9.32e-12	2.14e+00	9.32e-12	6.68e+03	1.98e+00	9.32e-12	2.14e+00	9.32e-12	6.68e+03	1.98e+00	9.32e-12
29	4.94e-01	1.45e-11	1.37e-01	1.60e-13	1.73e-01	8.59e-14	3.77e-01	1.25e-10	2.65e-02	1.25e-10	7.87e-01	1.69e+00	1.97e+00	7.63e-11	1.95e+00	8.13e-11	1.69e+00	1.97e+00	7.63e-11	1.95e+00	8.13e-11	1.69e+00	1.97e+00	8.13e-11
30	5.70e-01	3.48e-10	1.46e-01	3.23e-11	1.85e-01	1.24e-10	5.87e-01	1.38e-10	2.86e-02	1.38e-10	6.65e-01	1.38e-10	2.03e+00	1.38e-10	2.36e+00	1.38e-10	2.03e+00	2.03e+00	1.38e-10	2.36e+00	1.38e-10	2.03e+00	2.36e+00	1.38e-10
31	8.33e-01	1.68e-13	9.65e-02	0.00e+00	1.37e-01	0.00e+00	4.90e-01	8.02e-12	2.67e-02	6.17e-12	6.52e-01	6.17e-12	1.98e+00	6.17e-12	2.15e+00	1.36e-11	6.17e-12	1.98e+00	6.17e-12	2.15e+00	1.36e-11	6.17e-12	1.98e+00	2.15e+00
32	8.78e-01	2.06e-11	1.03e-01	2.55e-11	1.43e-01	9.30e-10	4.30e-01	2.55e-11	6.42e-02	2.55e-11	2.45e-01	4.34e+01	2.74e+00	2.55e-11	2.79e+00	2.55e-11	4.34e+01	2.74e+00	2.55e-11	2.79e+00	2.55e-11	4.34e+01	2.79e+00	2.55e-11
33	3.65e-01	3.27e-11	2.50e-01	4.10e-11	3.73e-01	6.39e-10	3.43e-01	6.82e-12	2.85e-02	6.82e-12	7.95e-01	5.05e+01	2.36e+00	1.58e-11	3.96e-11	3.96e-11	5.05e+01	2.36e+00	1.58e-11	3.96e-11	3.96e-11	5.05e+01	2.36e+00	3.96e-11
34	3.63e-01	2.83e-11	2.56e-01	2.29e-10	3.33e-01	5.24e-10	2.87e-01	4.73e-11	3.04e-02	4.73e-11	1.93e-01	1.13e+01	1.98e+00	2.19e-11	2.36e+00	4.73e-11	1.13e+01	1.98e+00	2.19e-11	2.36e+00	4.73e-11	1.13e+01	2.36e+00	4.73e-11
35	4.02e-01	9.69e-11	8.30e-01	2.92e-09	2.03e+00	6.36e-09	9.35e-02	1.63e-10	4.40e-02	1.63e-10	2.24e-01	3.32e+01	2.73e+00	3.09e-11	2.77e+00	1.04e-10	3.32e+01	2.73e+00	3.09e-11	2.77e+00	1.04e-10	3.32e+01	2.77e+00	1.04e-10
36	3.79e-01	6.99e-11	9.97e-01	3.63e-10	3.39e+00	1.45e-09	9.40e-02	1.92e-11	4.61e-02	1.92e-11	2.17e-01	6.12e+01	2.73e+00	1.92e-11	2.56e+00	2.60e-11	6.12e+01	2.73e+00	1.92e-11	2.56e+00	2.60e-11	6.12e+01	2.56e+00	2.60e-11
37																								

50	1.44e+00	1.42e-11	1.50e-01	3.64e-12	1.93e-01	4.91e-11	6.84e-01	2.55e-10	4.56e-02	2.55e-10	5.05e-01	2.61e+01	3.44e+00	2.37e-10	3.35e+00	1.90e-10
51	2.50e+00	3.42e-10	1.17e-01	1.46e-11	1.43e-01	6.61e-12	8.09e-01	4.80e-10	3.82e-02	4.80e-10	3.94e-01	1.36e+01	3.71e+00	4.80e-10	3.35e+00	4.80e-10
52	2.48e+00	7.95e-11	1.07e-01	5.28e-11	1.46e-01	1.09e-11	9.09e-01	4.25e-10	4.57e-02	4.73e-10	3.75e-01	1.23e+02	3.71e+00	4.73e-10	3.63e+00	3.98e-10
53	8.19e-01	2.50e-10	2.22e-01	7.80e-11	3.53e-01	2.26e-09	1.49e+00	5.64e-11	3.22e-02	5.64e-11	5.18e+01	1.51e+05	2.92e+00	5.64e-11	3.35e+00	5.64e-11
54	8.11e-01	3.09e-11	3.50e-01	4.08e-11	3.43e-01	5.31e-11	1.00e+00	2.09e-11	3.48e-02	2.09e-11	5.03e+01	2.34e+03	3.17e+00	2.09e-11	3.07e+00	2.29e-11
55	1.28e+00	3.38e-11	1.46e-01	9.09e-13	2.13e-01	6.84e-12	8.31e-01	9.65e-11	2.92e-02	9.69e-11	1.69e+00	4.00e+00	2.92e+00	9.69e-11	2.80e+00	9.59e-11
56	1.38e+00	2.12e-12	1.57e-01	4.09e-12	2.07e-01	7.28e-12	6.89e-01	1.11e-11	2.95e-02	1.11e-11	4.96e-01	2.25e-11	2.92e+00	1.11e-11	2.80e+00	1.11e-11
57	7.68e-01	4.98e-12	2.03e-01	1.82e-11	3.17e-01	6.18e-11	4.55e-01	1.77e-11	3.91e-02	1.77e-11	2.98e-01	1.80e+01	3.18e+00	1.77e-11	3.40e+00	1.77e-11
58	8.37e-01	4.86e-11	2.03e-01	3.57e-11	3.66e-01	2.68e-09	9.57e-01	2.52e-11	6.98e-02	7.84e-11	4.09e-01	5.52e+01	3.94e+00	7.84e-11	3.91e+00	7.84e-11
59	4.86e-01	6.45e-11	1.37e+00	8.05e-10	1.21e+01	7.88e-09	1.34e-01	2.40e-11	5.91e-02	2.40e-11	5.26e-01	2.31e+01	3.63e+00	2.40e-11	3.63e+00	2.40e-11
60	5.12e-01	8.78e-11	1.65e+00	3.81e-10	3.63e+00	2.36e-09	1.40e-01	7.42e-11	5.87e-02	7.42e-11	2.78e-01	1.09e+02	3.13e+00	7.42e-11	3.62e+00	7.42e-11
61	4.40e-01	4.37e-11	4.64e+00	1.06e-10	1.45e+01	9.43e-10	1.22e-01	1.43e-11	6.39e-02	1.43e-11	2.88e-01	1.98e+01	3.88e+00	1.43e-11	3.88e+00	8.03e-12
62	4.06e-01	4.23e-10	7.95e+00	7.91e-10	3.28e+01	4.93e-09	1.29e-01	4.38e-11	6.66e-02	4.38e-11	3.53e-01	1.74e+01	3.67e+00	5.10e-11	3.90e+00	5.49e-11
63	4.45e-01	1.67e-11	2.65e+00	3.35e-10	8.02e+00	1.78e-09	1.23e-01	4.97e-11	6.44e-02	4.97e-11	2.71e-01	2.24e+01	3.63e+00	3.50e-11	3.62e+00	4.97e-11
64	4.59e-01	5.46e-11	1.97e+00	4.60e-09	9.92e+00	4.31e-09	1.02e-01	2.44e-10	6.40e-02	2.44e-10	2.68e-01	1.64e+02	3.14e+00	2.43e-10	3.63e+00	2.44e-10
65	4.72e-01	2.66e-10	3.90e+00	7.71e-10	8.92e+00	3.03e-09	1.34e-01	2.40e-10	5.55e-02	2.40e-10	2.92e-01	8.40e+01	3.39e+00	2.40e-10	3.63e+00	2.40e-10
66	5.26e-01	3.45e-10	5.03e+00	1.16e-09	1.37e+01	8.58e-09	1.82e-01	7.87e-11	5.59e-02	7.87e-11	3.07e-01	3.52e+01	3.88e+00	5.41e-11	3.35e+00	7.87e-11
67	6.44e-01	2.54e-10	1.99e+00	6.82e-10	4.67e+00	4.46e-09	1.47e-01	4.30e-11	5.59e-02	4.30e-11	2.62e-01	1.47e+02	3.88e+00	4.30e-11	3.63e+00	1.48e-10
68	6.40e-01	6.32e-11	1.57e+00	6.63e-10	4.65e+00	5.69e-09	1.38e-01	9.64e-11	5.56e-02	9.64e-11	2.68e-01	9.98e+01	3.38e+00	9.64e-11	3.35e+00	8.20e-11
69	4.53e-01	2.22e-11	1.22e+00	8.74e-10	3.27e+00	2.26e-09	1.23e-01	2.29e-11	6.38e-02	2.29e-11	2.33e-01	1.03e+02	3.88e+00	2.29e-11	3.90e+00	4.21e-11
70	4.31e-01	1.22e-11	2.17e+00	3.27e-10	1.35e+01	9.82e-09	1.41e-01	1.80e-11	6.67e-02	1.80e-11	2.20e-01	9.46e+01	4.13e+00	8.20e-11	4.18e+00	1.81e-11
71	5.12e-01	2.52e-11	1.07e+00	7.97e-10	3.54e+00	1.65e-09	1.37e-01	8.80e-11	5.54e-02	8.80e-11	2.49e-01	9.00e+01	3.63e+00	7.91e-11	3.63e+00	8.82e-11
72	4.76e-01	4.42e-12	1.06e+00	1.08e-10	3.08e+00	1.64e-10	1.26e-01	1.27e-11	5.51e-02	1.27e-11	2.34e-01	2.26e+01	3.13e+00	1.27e-11	3.34e+00	1.27e-11
73	3.08e+00	2.09e-12	3.66e-01	2.27e-13	5.36e+01	5.03e-13	1.22e+00	3.40e-12	7.43e-02	4.00e-12	1.04e+00	4.00e-12	6.87e+00	4.00e-12	6.00e+00	4.00e-12
74	3.67e+00	2.27e-12	3.90e-01	1.14e-13	5.47e-01	5.68e-14	1.89e+00	3.80e-12	8.01e-02	1.11e-11	2.78e+00	1.72e+00	9.07e+00	1.11e-11	7.09e+00	9.16e-12
75	1.81e+00	6.83e-10	5.46e-01	3.52e-10	8.57e-01	4.73e-09	4.09e+00	1.81e-10	7.42e-02	1.81e-10	8.49e+01	1.44e+06	1.10e+01	1.81e-10	1.04e+01	1.22e+05
76	1.70e+00	2.33e-10	9.76e-01	5.60e-10	1.38e+00	1.08e-09	3.01e+00	1.61e-10	7.33e-02	1.61e-10	9.36e+01	8.45e+05	1.10e+01	1.61e-10	1.14e+01	1.61e-10
77	5.50e-01	1.47e-11	6.32e-02	0.00e+00	6.00e-02	0.00e+00	1.09e+00	0.00e+00	4.93e-02	0.00e+00	5.01e+01	2.16e+04	1.01e+01	0.00e+00	9.41e+00	1.19e-13
78	7.73e-01	2.01e-10	6.00e-02	0.00e+00	6.65e-02	0.00e+00	4.21e+00	2.22e-16	1.48e+00	2.22e-16	5.36e+01	2.03e+06	1.81e+01	4.24e-03	1.58e+01	3.10e-03
79	1.62e+00	4.70e-11	8.50e-01	3.27e-08	1.46e+00	1.22e-08	1.51e+00	9.06e-11	7.23e-02	9.06e-11	1.15e+02	4.70e+01	1.01e+01	7.67e-11	1.14e+01	9.06e-11
80	1.58e+00	1.09e-10	1.08e+00	1.20e-09	7.80e-01	3.41e-09	2.64e+00	1.60e-10	9.79e-02	1.60e-10	8.29e+01	5.69e+06	1.39e+01	1.12e-10	1.25e+01	1.19e-10
81	1.49e+00	5.43e-11	6.00e-01	3.86e-10	1.20e+00	3.05e-09	2.99e-01	2.92e-10	2.64e-01	2.92e-10	6.15e-01	6.87e+01	1.28e+01	2.92e-10	1.45e+01	2.92e-10
82	1.43e+00	6.63e-11	6.23e-01	1.04e-10	1.14e+00	2.01e-09	3.03e-01	4.37e-10	2.64e-01	4.37e-10	5.64e-01	6.33e+01	1.29e+01	4.37e-10	1.34e+01	4.37e-10
83	1.47e+00	3.36e-11	3.47e+00	1.27e-09	1.24e+01	3.31e-09	2.99e-01	9.30e-12	1.46e-01	9.30e-12	7.05e-01	1.40e+01	1.09e+01	9.30e-12	1.25e+01	9.30e-12
84	1.52e+00	1.50e-10	3.97e+00	1.13e-09	1.81e+01	8.87e-09	2.98e-01	5.39e-11	1.46e-01	5.39e-11	5.09e-01	9.24e+01	1.38e+01	5.39e-11	1.15e+01	1.35e-10
85	1.22e+00	5.22e-11	1.41e+01	2.90e-09	4.45e+01	2.08e-08	2.41e-01	1.25e-10	2.07e-01	1.25e-10	3.66e-01	2.12e+02	1.19e+01	9.07e-11	1.45e+01	1.25e-10
86	1.23e+00	1.36e-10	1.72e+01	1.83e-09	9.01e+01	2.92e-08	2.45e-01	2.15e-10	2.07e-01	2.15e-10	5.13e-01	1.72e+02	1.37e+01	5.54e-10	1.24e+01	1.11e-10
87	1.30e+00	2.98e-11	5.75e+00	1.30e-09	1.57e+01	3.98e-09	2.45e-01	1.36e-10	2.08e-01	1.36e-10	4.40e-01	9.26e+01	1.37e+01	1.36e-10	1.24e+01	8.85e-11
88	1.26e+00	9.52e-11	5.15e+00	1.33e-09	2.25e+01	6.04e-09	2.45e-01	1.90e-10	2.07e-01	1.90e-10	5.08e-01	1.47e+02	1.19e+01	7.43e-11	1.34e+01	1.90e-10
89	1.22e+00	4.24e-11	5.64e+00	6.55e-10	2.20e+01	1.25e-08	3.00e-01	8.61e-11	2.29e-01	8.61e-11	8.05e-01	3.77e+01	1.38e+01	8.61e-11	1.35e+01	1.12e-10
90	1.23e+00	1.63e-10	5.85e+00	2.38e-09	2.17e+01	1.39e-08	2.45e-01	1.42e-10	2.41e-01	1.42e-10	4.33e-01	1.81e+02	1.28e+01	1.42e-10	1.25e+01	1.63e-10
91	1.58e+00	5.75e-11	1.03e+01	1.29e-09	2.48e+01	7.03e-09	2.95e-01	6.99e-11	1.45e-01	6.99e-11	7.46e-01	3.60e+01	1.19e+01	3.80e-11	1.24e+01	1.50e-10
92	1.46e+00	4.62e-11	1.10e+01	8.40e-09	3.94e+01	1.30e-08	2.99e-01	6.60e-10	1.45e-01	6.60e-10	7.87e-01	6.69e+01	1.18e+01	6.60e-10	1.25e+01	4.55e-10
93	1.53e+00	1.50e-10	2.39e+00	9.88e-10	9.74e+00	7.36e-09	2.99e-01	2.41e-10	1.46e-01	2.41e-10	4.91e-01	1.35e+02	1.19e+01	2.41e-10	1.25e+01	9.42e-11
94	1.51e+00	3.53e-11	3.28e+00	2.91e-09	1.66e+01	1.53e-09	3.00e-01	3.12e-11	1.46e-01	3.12e-11	8.43e-01	5.70e+01	1.28e+01	2.82e-11	1.35e+01	3.12e-11
95	1.30e+00	1.48e-10	5.87e+00	4.09e-09	2.36e+01	1.37e-08	3.00e-01	1.89e-10	2.07e-01	1.89e-10	4.53e-01	1.57e+02	1.28e+01	1.89e-10	1.45e+01	1.89e-10
96	1.29e+00	9.91e-11	4.03e+00	1.06e-09	2.62e+01	8.97e-09	3.00e-01	1.12e-10	2.07e-01	1.12e-10	6.02e-01	3.82e+01	1.28e+01	1.12e-10	1.46e+01	1.12e-10
97	1.49e+00	3.76e-11	2.93e+00	1.02e-08	8.44e+00	1.01e-09	2.93e-01	1.19e-10	1.46e-01	1.19e-10	9.60e-01	5.50e+01	1.18e+01	1.19e-10	1.24e+01	1.19e-10
98	1.50e+00	6.01e-11	2.25e+00	7.06e-10	6.00e+00	1.27e-09	2.98e-01	6.93e-11	1.47e-01	6.93e-11	8.30e-01	7.28e+01	1.47e+01	6.93e-11	1.24e+01	1.42e-10
99	2.33e+00	3.21e-11	1.61e+00	4.49e-10	2.56e+00	8.99e-10	7.51e-01	1.39e-10	1.40e-01	1.39e-10	1.14e+00	1.04e+01	1.85e+01	1.39e-10	1.81e+01	1.39e-10
100	1.23e+01	1.72e-11	1.13e+00	2.59e-11	1.69e+00	2.47e-10	1.13e+00	3.23e-11	1.64e-01	3.25e-11	1.03e+00	5.31e+00	2.13e+01	3.25e-11	1.96e+01	3.55e-11
101	2.92e+00	7.16e-10	1.01e+00	2.50e-10	1.65e+00	1.50e-08	6.60e+00	1.46e-10	1.06e-01	1.46e-10	1.39e+02	5.73e+07	1.71e+01	1.46e-10	1.68e+01	1.43e-10
102	3.02e+00	1.91e-10	1.06e+00	3.25e-10	1.58e+00	1.30e-08	2.33e+01	5.28e+00	1.18e-01	3.40e-10	1.29e+02	7.24e+04	1.44e+01	3.40e-10	1.51e+01	3.40e-10
103	2.56e+00	2.05e-11	6.80e-01	1.82e-12	1.04e+00	6.92e-13	1.42e+00	7.49e-11	9.47e-02	7.49e-11	8.67e-01	1.54e+01	1.58e+01	1.28e-10	1.51e+01	7.49e-11
104	2.60e+00	1.01e-10	7.30e-01	1.95e-10	1.16e+00	5.30e-10	2.68e+00	2.00e-10	1.17e-01	2.00e-10	3.08e+00	3.53e+01	1.71e+01	2.55e-10	1.81e+01	1.42e-10

105	4.47e+00	2.19e-11	5.10e-01	2.18e-11	7.00e-01	6.00e-11	1.35e+00	5.61e-11	8.22e-02	5.61e-11	7.03e-01	3.29e+01	1.44e+01	5.61e-11	1.51e+01	5.61e-11
106	4.62e+00	5.98e-11	5.10e-01	3.37e-11	7.17e-01	2.38e-11	2.68e+00	6.25e-11	2.54e-01	6.25e-11	1.39e+00	7.32e+01	2.00e+01	6.25e-11	2.11e+01	6.25e-11
107	2.15e+00	2.87e-11	1.75e+00	6.35e-10	2.04e+00	5.43e-09	1.15e+00	5.44e-11	1.16e-01	5.44e-11	1.45e+01	4.22e+01	1.72e+01	5.44e-11	1.66e+01	4.68e-11
108	1.84e+00	3.50e-11	1.59e+00	3.59e-10	3.12e+00	2.13e-10	2.20e+00	3.62e-11	1.28e-01	3.62e-11	6.07e+00	8.70e+00	1.58e+01	3.62e-11	1.80e+01	3.62e-11
109	1.97e+00	1.69e-10	1.09e+01	1.29e-09	2.97e+01	4.46e-09	3.17e-01	1.36e-10	1.95e-01	1.36e-10	9.29e-01	9.91e+01	1.99e+01	1.39e-10	1.81e+01	9.53e-11
110	2.08e+00	1.04e-10	9.24e+00	2.91e-09	4.21e+01	1.12e-08	4.65e-01	1.01e-10	2.10e-01	1.01e-10	1.06e+00	1.51e+02	1.85e+01	1.01e-10	2.11e+01	1.01e-10
111	1.70e+00	8.31e-11	4.34e+01	3.43e-09	1.13e+02	2.59e-08	3.27e-01	4.10e-11	2.47e-01	4.10e-11	1.17e+00	1.87e+01	1.99e+01	1.54e-10	1.95e+01	4.14e-11
112	1.79e+00	5.57e-11	2.97e+01	1.86e-09	1.01e+02	8.78e-09	3.99e-01	5.67e-10	2.49e-01	5.67e-10	1.40e+00	9.66e+01	1.85e+01	1.99e-10	2.26e+01	5.67e-10
113	1.79e+00	7.64e-11	1.32e+01	3.46e-09	5.61e+01	5.66e-09	3.23e-01	5.28e-11	2.47e-01	5.28e-11	9.30e-01	1.11e+02	1.85e+01	1.89e-10	1.96e+01	8.61e-11
114	1.88e+00	4.76e-11	9.84e+00	1.09e-09	1.87e+01	3.00e-08	3.23e-01	9.64e-11	2.48e-01	9.64e-11	6.09e-01	9.05e+01	2.67e+01	9.64e-11	2.43e+01	9.64e-11
115	2.15e+00	5.18e-11	2.38e+01	4.49e-09	5.81e+01	1.12e-08	4.05e-01	1.84e-10	2.08e-01	1.84e-10	9.24e-01	9.07e+01	2.12e+01	6.01e-11	1.97e+01	1.84e-10
116	2.00e+00	2.90e-11	3.82e+01	1.11e-09	1.02e+02	7.08e-09	4.05e-01	1.52e-10	2.11e-01	1.52e-10	9.02e-01	6.52e+01	1.72e+01	1.01e-10	2.10e+01	1.52e-10
117	2.44e+00	1.22e-10	9.16e+00	1.20e-09	5.20e+01	7.20e-09	4.26e-01	5.25e-10	1.90e-01	5.25e-10	1.21e+00	6.98e+01	1.99e+01	5.25e-10	1.95e+01	5.25e-10
118	2.23e+00	1.04e-10	1.24e+01	4.64e-10	6.54e+01	8.90e-09	4.30e-01	8.75e-11	2.05e-01	8.75e-11	1.35e+00	5.45e+01	1.99e+01	8.75e-11	2.11e+01	8.75e-11
119	1.79e+00	7.45e-11	1.30e+01	4.70e-09	4.18e+01	2.77e-08	3.26e-01	2.40e-10	2.47e-01	2.40e-10	1.21e+00	1.31e+02	1.99e+01	1.82e-10	1.96e+01	1.31e-10
120	1.76e+00	7.94e-11	1.07e+01	1.04e-09	6.34e+01	2.16e-09	4.06e-01	6.72e-11	2.49e-01	6.72e-11	6.90e-01	1.13e+02	2.54e+01	6.72e-11	2.25e+01	6.72e-11
121	2.00e+00	4.74e-11	5.78e+00	8.33e-10	3.08e+01	7.28e-09	4.02e-01	1.31e-10	1.96e-01	1.31e-10	7.91e-01	1.83e+02	2.12e+01	1.31e-10	1.95e+01	1.42e-10
122	2.10e+00	1.70e-11	6.76e+00	3.64e-10	2.29e+01	1.73e-09	4.05e-01	4.02e-11	2.11e-01	4.02e-11	1.00e+00	3.50e+01	1.85e+01	2.29e-11	1.95e+01	4.02e-11
123	7.25e+00	1.52e-11	7.73e-01	3.23e-12	1.15e+00	1.82e-12	5.98e+00	1.60e-10	1.75e-01	1.71e-10	2.32e+00	7.32e+00	2.64e+01	1.88e-10	2.57e+01	5.38e-10
124	3.10e+01	1.89e-11	7.90e-01	1.23e-10	1.16e+00	3.68e-12	2.04e+00	5.29e-12	2.35e-01	5.29e-12	4.09e+00	3.88e+00	3.00e+01	5.29e-12	2.77e+01	5.29e-12
125	6.39e+01	3.67e-11	5.80e-01	5.56e-11	7.39e-01	6.97e-11	5.57e+00	7.31e-12	1.45e-01	7.31e-12	1.61e+01	1.31e+00	2.83e+01	1.10e+00	2.56e+01	7.31e-12
126	1.13e+01	9.30e-11	6.33e-01	3.94e-11	8.00e-01	5.24e-10	1.81e+00	2.79e-10	2.51e-01	2.79e-10	2.35e+00	5.11e+01	2.65e+01	2.79e-10	2.75e+01	2.79e-10
127	4.13e+00	9.32e-11	9.37e-01	5.47e-11	1.56e+00	6.01e-11	2.57e+01	2.06e+00	1.47e-01	1.85e-10	1.58e+02	1.26e+06	2.45e+01	1.85e-10	2.36e+01	3.04e-11
128	4.17e+00	7.13e-11	2.37e+00	1.22e-10	4.00e+00	2.56e-10	7.92e+00	5.28e-11	1.47e-01	5.28e-11	1.78e+02	3.35e+06	2.09e+01	5.28e-11	2.17e+01	1.76e-11
129	6.44e+00	9.47e-11	8.10e-01	1.46e-11	1.20e+00	1.38e-10	4.48e+00	4.00e-11	1.17e-01	4.00e-11	9.61e+01	1.03e+03	2.27e+01	3.77e-09	2.17e+01	2.87e-10
130	6.41e+00	2.96e-10	7.87e-01	1.97e-09	1.15e+00	1.24e-10	5.46e+00	5.71e-11	1.46e-01	5.71e-11	1.08e+02	1.98e+01	2.63e+01	5.71e-11	2.38e+01	5.71e-11
131	3.76e+00	1.46e-11	1.09e+00	1.89e-11	1.51e+00	2.97e-11	1.09e+01	5.85e+01	1.31e-01	8.74e-11	7.82e+00	5.56e+00	2.46e+01	8.74e-11	1.97e+01	9.10e-12
132	3.94e+00	7.70e-12	1.07e+00	6.25e-13	1.48e+00	4.23e-12	5.86e+00	2.10e-10	2.81e-01	2.09e-10	1.22e+00	2.36e+01	2.83e+01	2.09e-10	2.57e+01	2.09e-10
133	2.48e+00	1.02e-11	1.17e+01	2.70e-10	3.53e+01	9.70e-10	5.02e-01	1.20e-11	2.52e-01	1.20e-11	2.09e+00	9.44e+00	2.27e+01	6.79e-12	2.55e+01	9.97e-12
134	2.60e+00	1.38e-10	1.12e+01	1.03e-09	6.50e+01	6.25e-09	4.13e-01	1.57e-10	2.69e-01	1.57e-10	2.27e+00	8.36e+01	2.99e+01	1.57e-10	2.95e+01	1.57e-10
135	2.35e+00	6.66e-11	6.09e+01	1.27e-09	1.46e+02	8.34e-08	5.10e-01	1.24e-10	3.01e-01	1.24e-10	2.05e+00	5.23e+01	3.00e+01	9.58e-11	2.95e+01	1.24e-10
136	2.34e+00	6.93e-11	5.83e+01	1.97e-09	1.60e+02	2.37e-08	5.10e-01	3.31e-10	3.01e-01	3.31e-10	1.33e+00	1.43e+02	2.99e+01	1.33e-10	2.75e+01	3.39e-10
137	2.43e+00	2.13e-11	2.27e+01	2.77e-09	3.98e+01	8.28e-08	5.15e-01	1.20e-10	2.85e-01	1.20e-10	2.00e+00	4.00e+01	2.45e+01	6.22e-11	2.75e+01	1.67e-10
138	2.39e+00	7.09e-11	1.56e+01	1.35e-09	3.79e+01	1.19e-08	4.17e-01	1.34e-10	2.85e-01	1.34e-10	2.37e+00	9.86e+01	2.99e+01	1.34e-10	3.15e+01	1.34e-10
139	2.59e+00	3.33e-11	6.03e+01	1.84e-09	1.65e+02	7.60e-09	5.13e-01	1.64e-10	2.53e-01	1.64e-10	1.51e+00	6.87e+01	2.46e+01	2.91e-10	2.75e+01	1.64e-10
140	2.63e+00	2.00e-11	3.71e+01	4.15e-10	6.48e+01	2.77e-09	5.15e-01	3.55e-11	2.54e-01	3.55e-11	1.79e+00	2.91e+01	2.81e+01	6.26e-11	2.56e+01	5.04e-11
141	3.30e+00	1.70e-10	1.26e+01	8.36e-10	6.43e+01	1.25e-08	5.10e-01	6.19e-11	2.69e-01	6.19e-11	1.53e+00	1.25e+02	2.27e+01	6.19e-11	2.36e+01	6.19e-11
142	3.42e+00	1.84e-10	8.48e+00	1.76e-08	2.35e+01	1.12e-08	5.09e-01	9.85e-11	2.70e-01	9.85e-11	1.80e+00	1.15e+02	2.45e+01	9.77e-11	2.57e+01	4.05e-10
143	2.59e+00	4.14e-11	7.00e+00	1.34e-09	4.22e+01	2.55e-09	4.14e-01	9.30e-11	2.86e-01	9.30e-11	2.18e+00	3.91e+01	2.81e+01	9.30e-11	2.75e+01	9.30e-11
144	2.39e+00	2.37e-11	1.12e+01	3.64e-10	6.88e+01	4.17e-09	5.16e-01	6.12e-11	3.02e-01	6.12e-11	9.82e-01	6.86e+01	2.98e+01	4.42e-11	3.15e+01	6.12e-11
145	2.60e+00	2.21e-11	8.81e+00	3.17e-10	3.88e+01	2.68e-09	5.11e-01	6.53e-11	2.51e-01	6.53e-11	3.10e+00	9.65e+00	2.62e+01	6.64e-11	2.76e+01	6.53e-11
146	2.61e+00	8.69e-11	7.33e+00	1.92e-09	4.55e+01	5.27e-09	5.15e-01	6.34e-11	2.51e-01	6.34e-11	1.22e+00	2.12e+02	2.45e+01	1.35e-10	2.56e+01	1.19e-10
147	1.43e+01	2.79e-11	2.13e+00	3.64e-11	2.84e+00	2.21e-10	5.50e+00	1.64e-11	2.88e-01	1.64e-11	1.07e+01	6.54e+00	6.51e+01	1.64e-11	4.22e+01	2.90e-11
148	1.31e+01	1.38e-11	2.17e+00	1.20e-11	2.96e+00	1.69e-11	8.77e+00	1.01e-09	4.23e-01	5.78e-10	5.40e+00	1.23e+02	7.25e+01	4.11e-10	6.52e+01	5.78e-10
149	2.24e+00	1.54e-11	2.62e-02	7.28e-12	3.63e-02	7.10e-15	6.54e-01	3.67e-12	2.89e-02	3.67e-12	8.56e-02	1.70e-11	4.73e-01	3.75e-12	6.73e+00	3.67e-12
150	2.45e+00	3.08e-11	2.00e-02	7.28e-12	3.63e-02	7.28e-12	6.04e-01	1.63e-11	3.89e-02	1.63e-11	6.42e-01	5.46e+00	5.39e-01	1.64e-11	7.38e+00	1.63e-11
151	2.54e+00	9.41e-10	1.26e-02	7.28e-12	2.29e-02	7.28e-12	1.14e-01	3.87e-11	1.91e-01	3.87e-11	1.30e-01	2.13e+01	4.80e-01	3.27e+02	9.32e+00	3.87e-11
152	2.56e+00	2.23e-10	2.00e-02	1.46e-11	2.29e-02	1.46e-11	1.17e-01	4.46e-11	2.32e-01	4.46e-11	1.31e-01	1.98e+01	6.83e-01	9.83e+02	9.36e+00	4.46e-11
153	1.77e+00	6.67e-12	1.00e-02	1.82e-12	2.00e-02	1.82e-12	6.91e-02	1.83e-12	2.14e-02	1.83e-12	4.24e+00	1.47e+04	8.92e-02	1.83e-12	1.68e+00	1.83e-12
154	1.96e+00	5.55e-10	1.00e-02	1.46e-11	3.00e-02	1.29e-10	3.88e+00	9.46e-01	7.25e-01	7.78e-11	4.56e+00	1.63e+06	2.48e-01	8.37e+03	4.80e+01	3.73e-03
155	1.44e+00	1.82e-12	1.26e-02	0.00e+00	2.00e-02	0.00e+00	3.88e-01	1.82e-12	3.25e-02	1.82e-12	3.65e+00	7.79e+04	7.64e-02	1.82e-12	1.06e-01	2.23e-12
156	1.55e+00	5.27e-11	0.00e+00	0.00e+00	1.82e-02	0.00e+00	1.35e+00	2.09e-15	8.39e-01	8.88e-16	5.89e+00	6.40e+06	3.04e-01	8.04e+03	6.54e-01	3.59e-03
157	4.76e+00	1.46e-11	3.00e-02	1.82e-12	4.64e-02	1.82e-12	8.59e-01	7.56e-12	5.39e-02	8.39e-12	1.73e+00	1.36e+00	2.56e-01	5.06e+01	7.53e+00	7.56e-12
158	5.29e+00	2.89e-10	2.62e-02	2.91e-11	5.00e-02	1.46e-11	8.32e+00	2.13e+01	4.91e-01	5.95e-11	5.64e-01	4.25e+01	4.52e-01	5.19e+03	1.09e+01	5.95e-11
159	4.68e+00	7.17e-12	2.29e-02	0.00e+00	2.52e-02	0.00e+00	8.27e-01	1.22e-11	5.22e-02	1.22e-11	2.59e+00	1.31e-11	1.86e-01	2.02e+01	6.86e+00	1.22e-11

160	5.24e+00	2.95e-11	2.62e-02	0.00e+00	5.00e-02	0.00e+00	6.68e+00	7.14e+01	9.77e-01	8.04e-14	7.21e+00	5.62e+01	3.66e-01	1.01e+04	1.22e+01	6.13e-03
161	2.56e+01	2.46e-11	2.00e-02	4.55e-13	2.29e-02	4.55e-13	8.90e-01	6.50e-13	4.65e-02	1.44e-12	5.66e+00	1.51e-12	1.99e-01	1.12e-12	2.20e-01	6.50e-13
162	2.60e+01	3.00e-10	1.59e-02	3.64e-12	4.00e-02	3.64e-12	9.13e-01	4.49e-11	4.65e-02	4.50e-11	1.67e+01	2.44e-11	2.25e-01	1.17e+01	2.40e-01	4.49e-11
163	2.08e+01	1.64e-10	2.00e-02	3.64e-12	2.29e-02	3.64e-12	8.11e-01	2.06e-11	4.68e-02	3.11e-11	4.71e+00	1.29e+04	1.24e-01	4.12e-11	4.29e+00	2.30e-11
164	4.26e+00	4.00e-10	2.29e-02	7.28e-12	2.88e-02	7.28e-12	6.85e+00	2.51e+04	2.46e+00	9.68e-12	5.85e+00	5.52e+06	2.76e-01	5.40e+04	5.60e+01	3.55e-02
165	7.85e+00	5.46e-12	3.30e-02	5.38e-12	5.94e-02	1.82e-12	3.02e+00	1.41e+01	6.51e-02	1.04e-12	9.39e-01	1.04e-12	1.17e-01	3.66e+03	8.52e+00	1.04e-12
166	8.24e+00	6.87e-11	3.30e-02	1.46e-11	6.65e-02	1.46e-11	1.06e+01	4.67e+01	9.07e-01	6.34e-11	4.14e-01	9.66e+01	1.01e+00	1.20e+04	1.34e+01	9.51e-03
167	7.65e+00	7.08e-12	3.00e-02	0.00e+00	4.64e-02	0.00e+00	9.49e-01	2.03e-12	7.41e-02	2.03e-12	3.24e+00	2.33e+00	1.00e-01	1.17e+04	2.78e-01	3.75e-12
168	8.53e+00	9.76e-10	3.00e-02	5.82e-11	3.30e-02	1.46e-11	8.88e+00	1.39e+04	1.84e+00	6.56e-11	5.36e-01	1.33e+02	2.34e-01	1.20e+05	4.49e-01	3.15e-02
169	7.21e+00	3.09e-11	4.00e-02	9.09e-13	4.31e-02	3.42e-12	1.46e+00	3.85e-12	7.12e-02	3.76e-12	1.57e+00	1.36e+00	2.75e-01	1.34e+01	7.81e+00	3.80e-12
170	8.24e+00	2.96e-11	3.63e-02	1.14e-13	5.94e-02	8.35e-14	9.65e+00	1.56e+03	8.36e-01	3.75e-12	1.12e+00	3.57e+01	7.16e-01	8.30e+03	1.27e+01	6.85e-03
171	4.30e+01	1.41e-10	3.30e-02	4.00e-16	4.93e-02	4.00e-16	1.59e+00	3.01e-02	6.72e-02	2.77e-12	2.93e+00	1.88e-12	1.72e-01	1.50e+02	8.28e+00	1.02e-12
172	8.36e+00	1.39e-10	4.00e-02	2.27e-13	4.93e-02	2.27e-13	1.08e+01	1.39e+03	1.37e+00	2.58e-11	8.30e+00	2.69e+01	4.63e-01	2.28e+04	1.30e+01	2.96e-02
173	1.01e+02	1.12e-10	4.64e-02	1.80e-15	8.96e-02	1.80e-15	1.99e+00	7.33e-13	1.03e-01	7.51e-12	6.58e-01	2.71e+00	1.60e-01	6.53e+03	1.01e+01	7.73e-12
174	1.80e+01	1.75e-09	5.00e-02	2.91e-11	9.32e-02	2.74e-11	1.70e+01	2.53e+03	1.28e+00	5.13e-11	2.67e+01	6.20e+03	9.96e-01	5.26e+04	1.44e+01	3.22e-02
175	2.85e+01	1.98e-12	2.94e-01	9.00e-16	4.00e-01	1.16e-11	5.27e+00	7.29e-12	2.55e-01	7.29e-12	2.18e+01	7.29e-12	4.03e+00	4.31e+00	3.97e+02	7.29e-12
176	3.05e+01	7.43e-10	2.77e-01	9.09e-13	4.23e-01	9.09e-13	9.86e+00	1.23e-11	2.53e-01	1.23e-11	9.69e+01	1.44e+06	3.58e+00	2.27e+03	3.97e+02	1.23e-11
177	3.01e+01	1.61e-08	2.50e-01	7.28e-12	3.60e-01	7.28e-12	8.20e-01	1.62e-10	1.84e+00	1.62e-10	1.07e+00	4.56e+01	4.25e+00	4.25e+03	7.47e+02	2.40e-02
178	2.97e+01	4.95e-10	2.49e-01	1.46e-11	4.00e-01	1.46e-11	8.77e-01	1.31e-10	1.84e+00	1.31e-10	2.04e+00	2.72e+01	4.04e+00	4.22e+03	6.59e+02	1.31e-10
179	1.68e+01	2.40e-10	8.32e-02	7.28e-12	1.26e-01	7.28e-12	1.59e+00	2.06e-11	1.30e-01	2.06e-11	1.45e+01	2.75e+05	4.26e-01	2.06e-11	8.16e+00	2.06e-11
180	2.04e+01	3.13e-10	7.65e-02	1.46e-11	1.45e-01	1.37e-10	2.54e+01	7.37e+02	8.39e+00	1.18e-10	1.65e+01	8.46e+06	1.08e+00	1.33e+04	1.35e+03	5.74e-03
181	1.36e+01	7.28e-12	6.65e-02	7.28e-12	1.00e-01	0.00e+00	1.41e+00	2.18e-11	1.44e-01	2.18e-11	2.45e+01	1.13e+05	4.03e-01	2.51e+01	5.48e-01	2.18e-11
182	1.31e+01	9.58e-11	7.32e-02	0.00e+00	1.10e-01	0.00e+00	1.82e+01	2.38e+02	1.53e+01	3.39e+03	3.45e+01	9.19e+05	8.08e-01	1.16e+04	6.87e+00	5.46e-03
183	5.82e+01	4.38e-11	3.09e-01	1.82e-12	4.57e-01	4.18e-13	4.09e+00	7.35e-12	3.48e-01	7.35e-12	6.30e+01	6.44e+04	2.36e+00	2.67e+01	5.72e+02	7.35e-12
184	8.52e+01	6.09e-11	2.97e-01	2.27e-13	4.39e-01	2.27e-13	5.06e+00	9.14e-13	3.52e-01	9.14e-13	7.47e+01	9.32e+02	2.20e+00	4.63e-13	4.84e+02	9.14e-13
185	6.43e+01	2.74e-11	3.17e-01	3.64e-12	4.63e-01	3.64e-12	5.08e+00	7.50e-12	3.32e-01	7.50e-12	6.53e+01	2.71e+05	1.39e+00	1.57e+01	5.28e+02	7.50e-12
186	7.34e+01	4.33e-10	3.17e-01	1.46e-11	4.53e-01	1.46e-11	5.28e+01	1.51e+02	4.08e+00	7.90e-11	6.38e+01	3.70e+06	7.09e+00	7.48e+03	8.33e+02	6.28e-03
187	4.97e+01	2.58e-10	9.32e-02	7.28e-12	1.53e-01	7.28e-12	6.18e+00	1.06e-11	2.21e-01	1.64e-11	7.98e+01	7.58e+04	9.79e-01	1.04e-11	9.63e-01	1.64e-11
188	2.40e+02	1.50e-09	9.00e-02	1.82e-12	1.43e-01	4.55e-13	1.05e+01	9.02e+00	2.60e-01	2.20e-11	8.51e+01	7.58e+04	1.37e+00	1.11e+01	1.03e+00	2.19e-11
189	1.85e+02	1.33e-11	1.00e-01	4.55e-13	1.63e-01	4.55e-13	3.08e+00	1.33e-12	2.60e-01	1.33e-12	1.66e+01	1.44e+04	5.54e-01	1.34e-12	2.19e+01	1.34e-12
190	4.60e+01	3.70e-11	1.03e-01	1.46e-11	1.63e-01	1.46e-11	1.92e+01	1.74e+05	4.00e+01	2.20e-11	2.04e+01	7.27e+06	1.48e+00	1.63e+05	1.51e+03	5.56e-02
191	1.14e+02	2.44e-11	3.39e-01	3.64e-12	5.32e-01	3.64e-12	5.96e+00	3.64e-11	4.56e-01	3.64e-11	7.20e+01	2.01e+05	2.42e+00	3.97e+01	5.27e+02	1.12e-11
192	1.24e+02	1.37e-10	3.33e-01	1.46e-11	5.47e-01	2.74e-11	7.96e+01	1.27e+03	9.62e+00	9.94e-11	6.98e+01	1.56e+06	3.87e+00	5.13e+04	8.32e+02	1.27e-02
193	8.62e+01	7.02e-11	1.20e-01	2.13e-11	2.10e-01	1.46e-11	8.88e+00	1.13e-01	3.60e-01	6.12e-13	1.13e+02	1.64e+05	4.65e-01	9.60e+03	1.28e+00	1.46e-11
194	9.68e+01	3.62e-10	1.27e-01	2.91e-11	2.26e-01	2.91e-11	5.38e+01	1.93e+04	4.00e+01	1.20e-10	6.24e+01	5.08e+01	5.53e+00	2.89e+05	1.93e+00	1.28e+00
195	5.50e+01	3.00e-11	3.62e-01	7.10e-15	5.48e-01	7.10e-15	1.04e+01	5.79e-14	3.79e-01	6.40e-14	6.42e+01	5.77e-14	2.71e+00	1.19e+01	5.28e+02	4.82e-14
196	1.15e+02	1.28e-06	3.56e-01	7.28e-12	5.70e-01	9.09e-13	7.15e+01	1.08e+01	1.31e+00	2.21e-11	1.13e+02	7.63e+05	2.09e+01	1.10e+02	6.14e+02	2.18e-11
197	6.48e+02	1.38e-07	3.53e-01	3.64e-12	5.30e-01	3.64e-12	6.25e+00	1.09e-11	4.15e-01	1.09e-11	7.52e+01	1.15e+04	2.64e+00	1.44e+00	5.71e+02	5.15e-12
198	1.19e+02	9.12e-11	3.30e-01	1.46e-11	5.20e-01	1.46e-11	7.29e+01	7.24e+03	1.31e+01	6.66e-11	7.26e+01	1.97e+06	4.66e+00	9.20e+04	7.91e+02	8.85e-02
199	2.62e+02	2.51e-11	4.33e-01	1.46e-11	6.86e-01	1.46e-11	7.99e+00	3.87e-12	6.48e-01	3.76e-12	1.22e+02	3.90e-12	2.71e+00	2.59e+01	5.27e+02	3.87e-12
200	2.65e+02	6.70e-10	4.20e-01	1.46e-11	6.70e-01	1.46e-11	1.21e+02	1.07e+04	1.33e+01	1.45e-10	2.25e+01	1.76e+01	5.27e+00	6.16e+04	8.76e+02	1.95e-01
201	1.31e+00	7.09e-10	6.83e-01	1.59e-09	2.71e+00	8.98e-09	1.47e+00	1.92e+00	1.87e+00	9.95e-07	2.54e+00	3.15e+06	1.26e+00	1.18e-01	1.32e+00	2.31e-03
202	1.23e+00	1.60e-10	1.26e-02	4.62e-10	0.00e+00	4.62e-10	1.51e+00	6.31e+02	8.62e-01	4.69e+03	2.30e+00	2.75e+05	1.28e+00	3.41e-01	1.29e+00	1.99e-02
203	7.01e-01	6.20e-11	9.23e-01	8.74e-10	2.58e+00	5.88e-09	1.07e+00	1.26e-10	1.27e+00	4.93e-11	2.45e+00	1.36e+06	1.32e+00	3.54e-02	1.30e+00	7.59e-11
204	6.89e-01	4.51e-10	1.37e-01	5.97e-10	2.73e-01	5.49e-10	4.93e-01	9.63e-11	5.28e-01	9.63e-11	5.22e-01	1.12e+02	1.26e+00	9.63e-11	1.27e+00	9.63e-11
205	1.11e+00	1.17e-10	1.63e+00	1.24e-09	8.91e+00	9.84e-09	5.69e-01	2.18e-04	1.81e+00	1.48e-07	6.93e-01	6.16e+01	1.28e+00	1.14e-01	1.32e+00	2.85e-03
206	6.52e-01	3.90e-10	2.56e+00	8.25e-10	1.06e+01	1.51e-08	4.94e-01	9.36e-11	5.28e-01	9.36e-11	5.33e-01	2.11e+02	1.28e+00	9.36e-11	1.27e+00	1.23e-10
207	6.64e-01	9.43e-11	1.70e+00	3.98e-09	1.57e+01	7.96e-09	4.56e-01	1.49e-10	5.30e-01	1.49e-10	5.67e-01	1.67e+02	1.26e+00	1.49e-10	1.24e+00	1.46e-10
208	6.57e-01	1.12e-10	8.93e-01	1.16e-09	8.48e+00	4.70e-09	4.91e-01	1.41e-10	5.32e-01	1.41e-10	5.50e-01	1.41e+02	1.28e+00	1.11e-10	1.29e+00	1.41e-10
209	1.33e+00	1.27e-02	2.52e+00	1.57e-09	2.46e+01	1.33e-09	5.93e-01	2.05e-04	1.81e+00	8.86e-08	6.35e-01	1.53e+02	1.28e+00	4.69e-02	1.36e+00	4.58e-03
210	1.09e+00	1.73e-10	1.37e+00	9.41e-09	6.89e+00	2.84e-08	5.76e-01	1.41e-04	1.42e+00	8.26e-11	5.21e-01	3.20e+02	1.26e+00	2.06e-02	1.31e+00	4.47e-03
211	6.51e-01	5.54e-11	9.50e-01	8.58e-10	1.23e+01	4.61e-09	4.45e-01	9.92e-11	5.30e-01	9.92e-11	5.42e-01	1.29e+02	1.21e+00	9.92e-11	1.22e+00	9.92e-11
212	1.09e+00	2.87e-01	1.34e+00	8.15e-10	8.64e+00	1.15e-08	5.72e-01	1.80e-04	1.79e+00	6.99e-08	5.76e-01	2.19e+02	1.26e+00	1.73e+00	1.31e+00	2.86e-03
213	1.22e+00	3.44e-11	1.49e+00	1.40e-09	6.25e+00	7.91e-10	9.15e-01	3.32e-04	1.75e+00	2.55e-07	8.50e-01	7.05e+01	1.52e+00	1.37e-01	1.55e+00	7.15e-03
214	1.55e+00	8.28e-10	1.16e+00	9.53e-10	1.74e+01	1.63e-08	1.84e+00	2.78e+02	1.92e+00	1.89e-06	3.01e+00	8.86e+04	1.52e+00	1.73e+00	1.54e+00	6.16e-01

215	8.64e-01	2.35e-10	4.49e-01	4.97e-10	1.48e+00	6.10e-10	1.24e+00	2.50e-10	1.76e+00	2.03e-04	1.32e+00	6.78e+01	1.56e+00	6.17e-02	1.54e+00	7.04e-01
216	1.81e+00	3.79e+01	2.27e-01	5.89e-10	1.05e+00	9.18e-10	1.44e+00	4.38e+01	9.29e-01	7.60e-10	2.75e+00	4.09e+02	1.50e+00	7.59e-02	1.55e+00	2.08e-01
217	1.30e+00	8.05e-01	2.26e+00	1.19e-09	1.62e+01	1.00e-08	1.54e+00	5.24e-01	1.74e+00	5.14e-08	1.27e+00	7.12e+01	1.52e+00	6.59e+00	1.55e+00	1.32e+00
218	1.40e+00	4.18e-02	2.48e+00	9.75e-10	1.85e+01	9.74e-09	6.42e-01	2.20e-04	1.80e+00	4.52e-07	6.67e-01	4.04e+02	1.56e+00	4.07e-02	1.55e+00	4.44e-03
219	7.44e-01	6.11e-10	7.20e+00	7.82e-10	4.79e+01	2.75e-09	6.17e-01	2.25e-04	1.76e+00	1.07e-07	6.78e-01	1.06e+02	1.54e+00	1.14e-10	1.55e+00	7.27e-01
220	7.47e-01	6.51e-11	4.27e+00	1.32e-09	3.45e+01	9.01e-09	5.71e-01	1.13e-10	5.63e-01	1.13e-10	6.31e-01	1.48e+02	1.49e+00	1.13e-10	1.51e+00	1.13e-10
221	1.15e+00	6.66e-10	5.56e+00	2.19e-09	4.18e+01	9.73e-09	6.42e-01	1.95e-04	1.84e+00	3.00e-07	7.15e-01	2.60e+02	1.52e+00	9.70e-01	1.53e+00	4.75e-03
222	1.52e+00	2.39e-10	2.13e+00	1.29e-09	2.02e+01	6.38e-09	6.67e-01	2.19e-04	1.81e+00	1.45e-07	7.54e-01	1.09e+02	1.50e+00	3.70e-01	1.54e+00	6.15e-03
223	7.36e-01	7.34e-11	2.89e+00	1.35e-09	1.87e+01	4.21e-09	5.44e-01	1.32e-10	5.64e-01	1.15e-10	7.10e-01	1.72e+02	1.47e+00	1.14e-10	1.51e+00	1.15e-10
224	1.41e+00	7.85e-02	2.92e+00	2.75e-09	2.91e+01	9.49e-09	6.55e-01	2.31e-04	1.86e+00	1.03e-07	7.03e-01	1.96e+02	1.59e+00	1.65e-01	1.55e+00	5.41e-03
225	2.03e+00	8.12e+00	5.13e-01	4.09e-09	2.80e+00	7.83e-09	1.70e+00	1.95e+01	1.79e+00	8.08e-05	1.08e+00	8.27e+01	1.78e+00	5.40e+00	1.68e+00	2.48e+04
226	2.38e+00	8.50e-11	1.43e-01	5.03e-10	4.47e-01	4.92e-10	1.78e+00	1.74e+00	1.08e+00	1.72e-09	1.25e+00	2.13e+01	1.62e+00	1.00e+01	1.68e+00	1.81e+00
227	1.73e+00	6.79e-10	2.77e+00	1.27e-09	2.41e+01	1.01e-08	2.03e+00	2.27e+01	1.92e+00	7.11e-05	3.45e+00	1.39e+05	1.73e+00	2.51e+00	1.68e+00	5.19e-01
228	2.47e+00	1.13e-01	1.08e+00	3.03e-09	4.44e+00	1.21e-09	1.75e+00	4.18e-01	1.80e+00	6.13e-07	1.16e+00	9.13e+01	1.71e+00	7.25e-02	1.68e+00	1.23e+00
229	1.83e+00	1.01e+00	4.30e-01	1.84e-09	1.42e+00	8.32e-10	1.55e+00	2.42e-04	1.09e+00	8.73e-10	1.55e+00	1.10e+02	1.64e+00	3.04e-02	1.68e+00	8.32e-03
230	1.24e+00	7.73e-01	7.58e+00	2.69e-09	4.38e+01	2.04e-08	7.65e-01	1.42e-04	1.85e+00	1.14e-07	8.76e-01	8.72e+01	1.72e+00	1.95e-01	1.68e+00	1.03e+00
231	8.15e-01	5.29e-10	1.19e+01	8.84e-10	5.73e+01	1.64e-09	6.77e-01	9.90e-05	1.76e+00	2.03e-08	8.29e-01	1.16e+02	1.67e+00	1.91e-01	1.68e+00	8.25e-01
232	8.32e-01	1.07e-10	6.78e+00	2.13e-09	4.04e+01	5.14e-09	5.80e-01	1.69e-10	1.80e+00	6.24e-08	7.63e-01	2.45e+02	1.74e+00	8.42e-02	1.68e+00	5.29e+03
233	8.61e-01	5.98e-10	5.76e+01	1.01e-09	5.65e+01	1.15e-08	7.72e-01	3.05e-04	1.83e+00	2.73e-08	8.01e-01	1.10e+02	1.76e+00	1.15e-01	1.69e+00	1.00e+00
234	1.60e+00	7.66e-02	4.28e+00	8.23e-10	2.46e+01	1.01e-08	7.29e-01	7.96e-05	1.80e+00	2.96e-08	1.02e+00	3.94e+01	1.63e+00	5.14e-11	1.68e+00	1.41e-01
235	8.26e-01	7.38e-11	4.16e+00	9.97e-10	4.29e+01	4.24e-09	6.34e-01	6.56e-11	5.97e-01	6.56e-11	7.60e-01	1.38e+02	1.60e+00	8.24e-11	1.63e+00	6.56e-11
236	1.52e+00	5.93e-11	5.24e+00	1.99e-09	4.04e+01	4.66e-09	7.31e-01	2.68e-04	1.85e+00	1.43e-08	9.27e-01	6.45e+01	1.68e+00	1.29e-01	1.68e+00	8.17e-03
237	2.58e+00	1.11e-10	1.98e+00	5.77e-10	2.06e+01	2.73e-09	2.37e+00	8.00e-01	1.86e+00	4.20e-08	4.52e+00	5.76e+01	2.33e+00	1.82e-01	2.05e+00	3.59e+00
238	2.15e+00	2.74e-03	1.18e+01	4.20e-09	4.77e+01	3.69e-08	2.62e+00	2.09e-01	3.61e+00	2.08e-06	4.22e+00	1.65e+06	2.44e+00	1.17e+00	2.49e+00	4.94e-03
239	1.60e+00	1.16e-10	5.94e-02	4.97e-10	6.65e-02	5.07e-10	2.34e+00	1.83e+03	1.34e+00	2.20e-10	3.32e+00	5.92e+05	2.46e+00	3.68e-02	2.46e+00	1.23e-02
240	1.97e+00	2.46e-02	1.68e+01	2.25e-09	3.72e+01	4.37e-09	2.45e+00	2.61e+00	3.19e+00	6.86e-07	3.92e+00	3.79e+06	2.48e+00	2.46e-01	2.49e+00	5.74e-01
241	1.13e+00	1.33e-10	1.19e+00	5.24e-10	3.02e+00	4.13e-09	7.58e-01	1.64e-10	8.87e-01	1.64e-10	1.05e+00	5.52e+01	2.25e+00	1.40e-10	2.33e+00	1.64e-10
242	1.89e+00	2.90e-10	1.64e+01	5.35e-09	7.49e+01	2.36e-08	8.98e-01	1.50e-04	3.42e+00	6.22e-07	1.18e+00	1.15e+02	2.37e+00	3.51e-01	2.45e+00	4.33e-03
243	1.10e+00	1.34e-10	3.73e+01	8.91e-09	1.15e+02	2.70e-09	6.61e-01	3.01e-10	8.85e-01	3.01e-10	9.87e-01	1.72e+02	2.40e+00	2.38e-02	2.48e+00	3.98e-03
244	1.60e+00	2.02e-10	2.17e+01	2.87e-09	6.28e+01	3.93e-09	7.85e-01	7.72e-05	3.19e+00	1.03e-07	9.67e-01	1.98e+02	2.44e+00	1.99e-01	2.49e+00	1.27e-02
245	1.10e+00	1.41e-10	1.72e+01	7.41e-09	8.02e+01	6.04e-08	7.41e-01	2.28e-10	8.87e-01	2.28e-10	1.08e+00	1.01e+02	2.44e+00	2.28e-10	2.37e+00	2.28e-10
246	1.90e+00	1.71e-10	3.51e+01	4.63e-09	1.14e+02	3.93e-08	8.91e-01	1.36e-04	3.43e+00	1.81e-06	1.05e+00	2.22e+02	2.40e+00	7.95e-02	2.49e+00	4.39e-03
247	1.92e+00	3.48e-10	1.44e+01	4.31e-09	5.59e+01	2.92e-08	8.80e-01	1.51e-04	3.41e+00	2.86e-07	1.19e+00	1.20e+02	2.37e+00	5.55e-01	2.41e+00	1.14e-02
248	1.12e+00	1.57e-10	1.92e+01	2.15e-09	8.18e+01	2.57e-09	7.69e-01	9.02e-05	2.66e+00	2.36e-10	8.48e-01	3.23e+02	2.44e+00	1.56e-01	2.45e+00	6.88e-03
249	1.90e+00	9.19e-03	1.46e+01	1.43e-08	7.20e+01	4.59e-08	8.88e-01	1.55e-04	3.33e+00	2.35e-07	1.05e+00	1.86e+02	2.37e+00	9.08e-01	2.45e+00	4.02e-03
250	2.21e+00	1.14e-10	1.24e+01	5.87e-09	5.64e+01	4.56e-09	1.34e+00	1.43e-04	3.21e+00	7.12e-07	1.67e+00	9.42e+01	2.77e+00	1.67e+00	2.78e+00	8.94e-01
251	2.54e+00	6.83e-02	1.99e+01	2.99e-09	7.03e+01	1.06e-08	2.91e+00	4.77e+02	3.70e+00	3.07e-06	4.89e+00	6.34e+06	2.77e+00	2.75e-01	2.78e+00	3.06e-01
252	2.52e+00	6.20e-10	6.67e+00	1.60e-08	2.11e+01	1.65e-08	2.67e+00	4.00e+00	3.26e+00	9.08e-06	4.94e+00	1.08e+05	2.77e+00	4.91e-10	2.78e+00	7.39e+03
253	2.95e+00	3.04e+00	1.75e+00	1.03e-09	8.00e+00	1.37e-08	2.64e+00	3.24e+00	1.48e+00	2.45e-08	4.67e+00	1.40e+05	2.95e+00	1.03e-01	2.78e+00	4.02e+00
254	2.44e+00	2.11e-10	2.53e+01	3.26e-09	8.92e+01	1.27e-08	2.63e+00	4.50e+03	3.16e+00	5.70e-06	5.34e+00	7.07e+04	2.88e+00	4.73e+00	2.78e+00	3.13e+04
255	2.03e+00	1.12e-01	2.77e+01	3.41e-09	1.07e+02	2.71e-08	1.03e+00	2.58e-04	3.48e+00	7.58e-06	1.37e+00	1.79e+02	2.77e+00	4.19e-01	2.78e+00	7.81e-01
256	1.75e+00	1.57e-10	7.22e+01	3.87e-09	1.66e+02	7.64e-09	9.12e-01	1.20e-04	3.27e+00	2.41e-05	1.32e+00	1.58e+02	2.81e+00	7.13e-02	2.77e+00	3.41e-01
257	1.23e+00	1.93e-10	3.57e+01	2.83e-09	1.03e+02	8.35e-09	8.60e-01	2.61e-10	9.58e-01	2.61e-10	1.20e+00	1.86e+02	2.74e+00	2.61e-10	2.69e+00	2.61e-10
258	2.06e+00	9.60e-02	6.13e+01	1.01e-08	2.01e+02	7.38e-09	1.04e+00	1.77e-04	3.51e+00	2.14e-07	1.50e+00	1.30e+02	2.81e+00	2.33e+00	2.77e+00	7.99e-01
259	2.18e+00	1.25e-01	4.70e+01	7.02e-09	1.09e+02	3.02e-08	1.05e+00	1.16e-04	3.38e+00	1.33e-06	1.43e+00	1.82e+02	2.88e+00	1.01e-01	2.78e+00	8.95e-01
260	1.26e+00	1.63e-10	4.44e+01	3.94e-09	1.40e+02	5.43e-09	9.33e-01	1.69e-04	2.70e+00	2.59e-10	1.32e+00	1.79e+02	2.88e+00	3.64e-01	2.77e+00	1.01e+00
261	2.02e+00	1.16e-01	3.64e+01	6.49e-09	1.00e+02	2.55e-08	1.05e+00	1.67e-04	3.42e+00	8.55e-07	1.44e+00	1.58e+02	2.77e+00	4.08e+00	2.78e+00	7.85e-01
262	3.25e+00	4.14e+03	4.60e+00	1.34e-08	1.94e+01	1.13e-09	2.86e+00	1.59e+04	2.00e+00	4.69e+03	2.29e+00	5.67e+01	3.20e+00	2.83e+00	3.01e+00	1.54e+04
263	3.86e+00	2.28e-10	2.67e+00	1.53e-09	1.05e+01	1.22e-09	2.99e+00	6.81e+01	1.79e+00	6.56e-05	2.11e+00	5.57e+01	3.05e+00	1.72e+01	3.01e+00	2.25e+04
264	2.60e+00	2.11e-09	3.79e+01	5.94e-09	9.68e+01	2.81e-08	3.26e+00	1.01e+03	3.79e+00	1.91e-05	5.49e+00	1.91e+07	3.12e+00	5.03e+00	3.01e+00	6.59e+03
265	3.26e+00	2.68e-10	9.50e+00	2.77e-07	3.04e+01	3.26e-09	3.09e+00	5.49e+01	2.18e+00	7.71e-03	3.23e+00	6.06e+01	3.16e+00	6.95e+00	3.01e+00	4.23e+04
266	3.50e+00	1.53e-10	5.68e+00	1.85e-09	3.17e+01	1.73e-08	2.85e+00	5.49e-04	1.71e+00	9.52e+01	2.90e+00	3.17e+01	2.92e+00	9.77e+00	3.01e+00	9.49e-02
267	2.17e+00	2.20e+00	5.50e+01	4.64e-09	1.51e+02	8.36e-08	1.13e+00	1.16e-04	3.45e+00	1.62e-07	1.64e+00	1.52e+02	3.12e+00	6.02e+00	3.01e+00	1.17e+04
268	1.88e+00	1.35e-10	1.15e+02	3.27e-09	2.58e+02	3.06e-09	1.03e+00	1.48e-04	3.30e+00	1.35e-07	1.57e+00	8.67e+01	3.05e+00	3.05e-01	3.01e+00	1.14e+00
269	2.11e+00	1.08e-10	7.65e+01	1.39e-09	1.40e+02	4.33e-08	1.06e+00	1.63e-04	3.27e+00	2.69e-07	1.42e+00	1.57e+02	3.16e+00	2.36e-01	3.01e+00	1.77e+00



270	2.21e+00	1.78e-10	1.27e+02	3.90e-09	3.04e+02	8.79e-09	1.12e+00	2.17e-04	3.43e+00	1.72e-07	1.73e+00	1.34e+02	3.13e+00	2.06e-01	3.01e+00	2.06e-01	3.01e+00	1.07e+00
271	2.49e+00	2.46e-10	5.27e+01	4.48e-09	1.21e+02	2.89e-08	1.13e+00	2.12e-04	3.45e+00	1.37e-07	1.62e+00	1.61e+02	3.08e+00	1.24e-01	3.01e+00	1.24e-01	3.01e+00	1.26e+00
272	2.11e+00	6.68e-01	8.37e+01	5.84e-09	1.85e+02	6.69e-09	1.06e+00	1.62e-04	3.34e+00	3.85e-05	1.55e+00	1.40e+02	3.16e+00	1.99e+00	3.01e+00	1.99e+00	3.01e+00	1.83e+04
273	2.18e+00	1.33e-10	5.73e+01	6.40e-09	1.74e+02	3.03e-08	1.15e+00	3.19e-04	3.46e+00	4.24e-07	1.75e+00	9.26e+01	3.16e+00	5.42e+00	3.01e+00	5.42e+00	3.01e+00	1.09e+04
274	4.33e+00	4.40e-10	4.57e+01	9.48e-09	7.41e+01	5.23e-09	3.65e+00	3.41e+02	3.49e+00	1.66e+03	3.04e+00	1.28e+02	4.18e+00	2.58e+01	3.68e+00	2.58e+01	3.68e+00	2.50e+04
275	4.16e-01	1.56e-15	8.28e-02	8.00e-16	1.36e-01	1.66e-14	2.51e-01	1.03e-15	1.90e-02	1.03e-15	5.66e-01	7.50e-16	1.23e+00	1.03e-15	7.82e-01	1.03e-15	7.82e-01	5.91e-03
276	3.76e-01	7.94e-15	1.00e-01	2.90e-15	1.66e-01	1.57e-14	2.78e-01	3.82e-15	1.90e-02	3.82e-15	2.69e-01	3.75e-15	1.10e+00	3.82e-15	9.22e-01	3.82e-15	9.22e-01	1.20e-03
277	1.81e+00	0.00e+00	1.26e-02	0.00e+00	1.00e-02	0.00e+00	4.23e-02	0.00e+00	1.80e-02	0.00e+00	2.72e+00	0.00e+00	9.80e-01	0.00e+00	7.64e-01	0.00e+00	7.64e-01	3.58e-03
278	3.11e-01	1.22e-12	1.00e-02	0.00e+00	1.26e-02	0.00e+00	4.11e-01	2.22e-16	3.53e-01	2.22e-16	1.26e+00	2.29e-16	9.99e-01	2.22e-16	9.09e-01	2.22e-16	9.09e-01	3.23e-03
279	2.96e-01	1.29e-15	1.13e-01	3.40e-15	1.27e-01	6.00e-15	1.10e-01	1.20e-15	1.97e-02	1.20e-15	1.71e-01	7.94e-16	1.10e+00	1.20e-15	9.01e-01	1.20e-15	9.01e-01	9.26e-04
280	3.22e-01	1.63e-15	8.65e-02	4.00e-16	1.13e-01	3.00e-16	2.31e-01	5.78e-16	2.53e-02	5.78e-16	1.77e+00	1.82e-15	1.11e+00	2.01e-15	9.01e-01	2.01e-15	9.01e-01	1.08e-02
281	2.59e-01	9.73e-15	9.97e-02	1.20e-15	1.09e-01	1.10e-15	3.23e-02	4.63e-15	6.84e-02	4.63e-15	3.80e-02	4.64e-15	1.11e+00	4.63e-15	8.95e-01	4.63e-15	8.95e-01	8.77e-03
282	2.96e-01	6.72e-15	1.03e-01	8.00e-16	1.17e-01	1.70e-15	3.23e-02	5.15e-15	6.86e-02	5.15e-15	3.90e-02	4.02e-15	9.76e-01	3.73e-15	8.95e-01	3.73e-15	8.95e-01	9.64e-03
283	3.03e-01	1.33e-15	2.76e-01	1.30e-15	4.23e-01	3.42e-14	3.15e-02	1.95e-15	3.48e-02	1.95e-15	3.78e-02	1.22e-15	1.11e+00	1.95e-15	9.23e-01	1.95e-15	9.23e-01	3.10e-03
284	3.14e-01	1.39e-15	3.63e-01	2.50e-15	1.11e+00	8.78e-14	3.15e-02	1.61e-15	3.47e-02	1.61e-15	4.05e-02	1.73e-15	1.10e+00	1.16e-15	9.23e-01	1.16e-15	9.23e-01	5.52e-03
285	2.19e-01	1.33e-14	1.08e+00	6.05e-14	1.34e+00	1.24e-13	3.16e-02	5.27e-15	5.25e-02	5.27e-15	7.25e-02	3.69e-03	9.72e-01	3.47e-15	8.96e-01	3.47e-15	8.96e-01	6.26e-03
286	2.34e-01	1.28e-14	1.51e+00	6.40e-15	3.01e+00	1.26e-13	3.88e-02	3.13e-15	5.30e-02	3.13e-15	7.80e-02	3.13e-15	1.36e+00	3.13e-15	1.04e+00	3.13e-15	1.04e+00	6.70e-03
287	2.37e-01	1.55e-15	6.20e-01	2.09e-14	1.65e+00	7.56e-14	3.15e-02	2.97e-15	5.27e-02	2.97e-15	3.82e-02	2.74e-15	1.10e+00	2.97e-15	9.13e-01	2.97e-15	9.13e-01	2.46e-03
288	3.05e-01	1.68e-15	5.97e-01	1.08e-14	1.54e+00	1.78e-13	3.93e-02	3.06e-15	5.56e-02	3.06e-15	8.21e-02	3.01e-15	1.23e+00	2.86e-15	1.06e+00	2.86e-15	1.06e+00	1.31e-02
289	2.44e-01	2.36e-15	3.43e-01	1.53e-14	8.57e-01	5.46e-14	3.17e-02	3.90e-15	5.47e-02	3.90e-15	3.81e-02	4.65e-15	1.10e+00	3.90e-15	1.07e+00	3.90e-15	1.07e+00	1.81e-03
290	2.30e-01	1.72e-15	3.69e-01	6.03e-14	8.97e-01	1.67e-13	3.16e-02	3.00e-15	5.79e-02	3.00e-15	5.11e-02	2.93e-15	1.36e+00	3.00e-15	1.07e+00	3.00e-15	1.07e+00	3.64e-03
291	3.14e-01	1.13e-14	7.07e-01	7.30e-15	7.66e-01	6.38e-14	3.93e-02	6.98e-15	3.65e-02	6.98e-15	5.50e-02	6.99e-15	1.10e+00	6.98e-15	9.21e-01	6.98e-15	9.21e-01	1.94e-03
292	2.94e-01	1.36e-14	1.19e+00	8.50e-15	1.09e+00	7.34e-14	3.86e-02	2.56e-15	3.34e-02	2.56e-15	3.90e-02	3.01e-15	1.10e+00	2.83e-15	9.21e-01	2.83e-15	9.21e-01	1.52e-03
293	3.39e-01	4.25e-15	2.73e-01	4.50e-15	6.59e-01	2.78e-13	3.14e-02	1.62e-15	3.48e-02	1.62e-15	5.27e-02	1.63e-15	1.23e+00	2.06e-15	9.33e-01	2.06e-15	9.33e-01	2.92e-03
294	3.17e-01	3.26e-15	3.03e-01	5.40e-15	6.37e-01	9.95e-14	5.27e-02	3.07e-15	3.75e-02	3.07e-15	3.99e-02	3.25e-15	1.23e+00	3.07e-15	1.09e+00	3.07e-15	1.09e+00	4.60e-03
295	2.72e-01	1.02e-15	4.27e-01	6.70e-15	2.68e+00	6.63e-14	3.93e-02	2.23e-15	5.04e-02	2.23e-15	5.75e-02	2.24e-15	1.23e+00	2.23e-15	1.07e+00	2.23e-15	1.07e+00	1.64e-03
296	2.56e-01	1.49e-15	4.23e-01	5.70e-15	1.45e+00	4.89e-14	3.16e-02	1.39e-15	5.06e-02	1.39e-15	3.83e-02	2.32e-15	1.11e+00	2.35e-15	1.07e+00	2.35e-15	1.07e+00	1.93e-03
297	3.10e-01	1.39e-15	3.36e-01	4.20e-15	4.33e-01	1.21e-13	3.09e-02	1.72e-15	3.45e-02	1.72e-15	4.18e-02	1.70e-15	9.78e-01	1.72e-15	9.27e-01	1.72e-15	9.27e-01	4.50e-03
298	3.40e-01	1.29e-15	3.56e-01	2.10e-15	4.43e-01	1.79e-14	5.27e-02	1.67e-15	3.31e-02	1.67e-15	4.07e-02	1.22e-15	1.11e+00	1.67e-15	9.27e-01	1.67e-15	9.27e-01	1.76e-03
299	4.45e-01	7.36e-16	2.36e-01	1.20e-15	2.63e-01	1.48e-14	6.51e-02	7.46e-16	3.96e-02	7.46e-16	6.97e-02	8.08e-16	1.99e+00	1.23e-15	1.54e+00	1.23e-15	1.54e+00	4.51e-03
300	4.47e-01	1.10e-15	2.40e-01	3.96e-14	3.16e-01	1.10e-14	8.62e-02	2.48e-15	4.10e-02	2.48e-15	8.53e-02	2.45e-15	2.18e+00	2.48e-15	1.54e+00	2.48e-15	1.54e+00	8.11e-03
301	6.07e-01	9.39e-15	1.23e-01	1.10e-15	2.33e-01	3.78e-14	2.81e-01	2.14e-15	2.65e-02	2.14e-15	1.28e+00	1.98e-15	1.84e+00	2.14e-15	1.36e+00	2.14e-15	1.36e+00	4.77e-03
302	6.03e-01	1.06e-14	1.23e-01	4.00e-15	1.99e-01	3.11e-14	3.83e-01	3.27e-15	2.64e-02	3.27e-15	1.22e+00	3.27e-15	1.61e+00	3.27e-15	1.36e+00	3.27e-15	1.36e+00	7.36e-03
303	5.63e-01	5.69e-15	1.36e-01	1.10e-15	2.17e-01	6.00e-16	8.48e-02	2.83e-15	2.94e-02	2.83e-15	5.14e-02	3.35e-15	1.42e+00	2.83e-15	1.36e+00	2.83e-15	1.36e+00	1.22e-03
304	5.92e-01	3.60e-15	1.46e-01	4.00e-16	2.16e-01	7.00e-16	2.03e-01	5.85e-15	2.83e-02	5.85e-15	1.98e-01	3.96e-15	1.79e+00	5.85e-15	1.36e+00	5.85e-15	1.36e+00	5.26e-03
305	8.62e-01	5.32e-16	1.00e-01	1.00e-15	1.40e-01	1.30e-15	6.03e-02	8.52e-16	2.22e-02	8.52e-16	3.96e-01	8.33e-16	1.61e+00	2.70e-15	1.35e+00	2.70e-15	1.35e+00	1.76e-03
306	8.71e-01	5.55e-17	8.65e-02	1.00e-16	1.43e-01	1.00e-16	3.59e-01	8.33e-17	4.67e-02	8.33e-17	4.28e-01	2.37e-16	1.80e+00	1.17e-16	1.55e+00	1.17e-16	1.55e+00	4.10e-03
307	3.90e-01	5.14e-16	2.17e-01	1.10e-15	3.76e-01	2.39e-14	1.69e-01	1.17e-15	2.82e-02	1.17e-15	1.39e-01	9.98e-16	1.80e+00	1.17e-15	1.33e+00	1.17e-15	1.33e+00	6.37e-03
308	3.73e-01	1.83e-15	2.16e-01	1.80e-15	2.80e-01	6.80e-15	1.21e-01	4.86e-15	2.75e-02	4.86e-15	6.09e-02	4.58e-15	1.61e+00	4.86e-15	1.36e+00	4.86e-15	1.36e+00	1.66e-03
309	3.65e-01	1.63e-15	5.33e-01	5.00e-15	1.07e+00	4.48e-14	3.99e-02	1.56e-15	4.38e-02	1.56e-15	5.08e-02	1.91e-15	1.79e+00	1.56e-15	1.35e+00	1.56e-15	1.35e+00	1.60e-02
310	4.01e-01	1.21e-15	5.03e-01	4.10e-15	9.37e-01	6.46e-14	5.87e-02	1.54e-15	4.62e-02	1.54e-15	4.87e-02	1.52e-15	1.80e+00	1.54e-15	1.35e+00	1.54e-15	1.35e+00	1.50e-02
311	3.11e-01	9.61e-15	2.71e+00	6.60e-15	4.00e+00	1.96e-13	3.99e-02	2.90e-15	5.49e-02	2.90e-15	5.39e-02	1.48e-15	1.98e+00	2.90e-15	1.54e+00	2.90e-15	1.54e+00	2.75e-03
312	3.01e-01	1.22e-14	2.69e+00	1.55e-14	2.89e+00	4.06e-13	5.10e-02	6.50e-15	5.52e-02	6.50e-15	5.17e-02	4.30e-15	1.80e+00	6.50e-15	1.34e+00	6.50e-15	1.34e+00	1.01e-02
313	3.39e-01	1.46e-15	8.77e-01	5.80e-15	2.73e+00	2.03e-13	5.87e-02	1.70e-15	5.60e-02	1.70e-15	6.31e-02	1.42e-15	1.98e+00	1.70e-15	1.77e+00	1.70e-15	1.77e+00	2.66e-03
314	3.43e-01	1.66e-15	1.32e+00	5.40e-15	4.04e+00	1.26e-13	3.99e-02	4.08e-15	5.61e-02	4.08e-15	6.73e-02	4.13e-15	2.17e+00	4.08e-15	1.56e+00	4.08e-15	1.56e+00	7.45e-03
315	3.85e-01	1.12e-14	2.00e+00	4.70e-15	6.96e-01	1.23e-13	4.91e-02	4.37e-15	4.35e-02	4.37e-15	4.90e-02	4.84e-15	1.80e+00	4.37e-15	1.35e+00	4.37e-15	1.35e+00	2.93e-03
316	3.83e-01	9.94e-15	2.40e+00	4.60e-15	5.91e+00	2.09e-13	6.81e-02	3.21e-15	4.58e-02	3.21e-15	5.03e-02	2.36e-15	1.98e+00	3.28e-15	1.57e+00	3.28e-15	1.57e+00	1.39e-02
317	4.37e-01	3.75e-15	5.80e-01	3.60e-15	8.30e-01	2.29e-14	4.88e-02	2.93e-15	4.45e-02	2.93e-15	4.99e-02	2.60e-15	1.79e+00	2.93e-15	1.33e+00	2.93e-15	1.33e+00	1.37e-02
318	4.31e-01	4.05e-15	4.07e-01	5.50e-15	7.33e-01	5.67e-14	4.88e-02	2.62e-15	4.42e-02	2.62e-15	4.93e-02	1.63e-15	1.79e+00	2.62e-15	1.33e+00	2.62e-15	1.33e+00	9.68e-03
319	3.28e-01	1.24e-15	5.60e-01	5.10e-15	1.33e+00	5.40e-14	4.14e-02	1.35e-15	5.51e-02	1.35e-15	5.33e-02	1.66e-15	1.80e+00	1.38e-15	1.36e+00	1.38e-15	1.36e+00	1.35e-02
320	3.41e-01	8.64e-16	6.20e-01	3.80e-														

324	1.42e+00	3.54e-15	1.53e-01	7.00e-16	2.02e-01	7.00e-16	2.11e-01	1.69e-14	5.00e-02	1.69e-14	2.11e-01	8.27e-15	2.94e+00	1.69e-14	2.00e+00	3.36e-03
325	2.59e+00	4.33e-15	1.17e-01	6.00e-16	1.42e-01	6.00e-16	2.43e-01	1.42e-14	4.22e-02	2.73e-14	2.51e-01	8.76e-15	2.69e+00	1.65e-14	1.72e+00	2.13e-02
326	2.59e+00	3.81e-15	1.13e-01	3.00e-16	1.43e-01	6.00e-16	3.06e-01	9.71e-15	4.24e-02	9.71e-15	2.36e-01	9.76e-15	2.69e+00	9.71e-15	1.99e+00	1.40e-02
327	9.65e-01	3.64e-15	1.93e-01	1.80e-15	3.00e-01	3.72e-14	1.24e+00	1.19e-15	3.23e-02	1.19e-15	2.35e+00	1.78e-15	2.68e+00	1.19e-15	1.73e+00	1.60e-02
328	9.20e-01	1.42e-14	1.86e-01	1.20e-15	3.37e-01	1.53e-14	4.29e-01	2.50e-15	3.28e-02	2.50e-15	1.07e+00	2.51e-15	2.68e+00	2.50e-15	1.73e+00	8.65e-03
329	1.37e+00	7.67e-16	1.50e-01	8.00e-16	2.07e-01	2.20e-15	3.90e-01	1.01e-14	3.22e-02	1.00e-14	1.19e-01	1.00e-14	2.68e+00	1.00e-14	1.73e+00	1.99e-02
330	1.37e+00	1.51e-15	1.66e-01	9.00e-16	2.43e-01	1.04e-14	2.65e-01	2.23e-15	3.47e-02	2.23e-15	6.80e-01	7.41e-15	2.94e+00	2.23e-15	1.73e+00	2.51e-02
331	8.42e-01	9.87e-16	2.10e-01	7.00e-16	2.53e-01	2.60e-15	1.75e-01	1.03e-15	4.03e-02	1.03e-15	6.04e-02	7.91e-16	2.69e+00	1.03e-15	1.73e+00	1.14e-02
332	7.74e-01	1.24e-15	2.13e-01	6.00e-15	2.73e-01	5.30e-15	2.85e-01	3.07e-15	7.10e-02	3.07e-15	2.32e-01	3.07e-15	2.69e+00	3.07e-15	2.00e+00	3.24e-03
333	4.95e-01	9.94e-16	7.66e-01	4.20e-15	2.53e+00	3.80e-14	5.02e-02	1.35e-15	5.67e-02	1.35e-15	7.33e-02	1.41e-15	2.89e+00	1.35e-15	2.01e+00	1.12e-02
334	4.94e-01	2.43e-15	7.43e-01	5.60e-15	1.86e+00	1.29e-13	6.24e-02	2.14e-15	5.62e-02	2.14e-15	6.56e-02	1.80e-15	2.65e+00	2.14e-15	1.74e+00	2.42e-02
335	4.36e-01	9.40e-15	5.25e+00	1.18e-14	7.64e+00	1.13e-13	5.07e-02	3.35e-15	6.44e-02	3.35e-15	6.39e-02	3.01e-15	2.64e+00	1.99e-15	1.99e+00	3.72e-03
336	4.38e-01	1.08e-14	5.32e+00	1.53e-14	1.04e+01	1.00e-12	5.02e-02	3.58e-15	6.72e-02	3.58e-15	5.56e-02	1.77e-15	2.64e+00	3.53e-15	1.99e+00	8.50e-03
337	4.65e-01	1.06e-15	1.18e+00	5.10e-15	3.65e+00	1.09e-13	5.09e-02	1.58e-15	6.40e-02	1.58e-15	6.45e-02	1.36e-15	2.89e+00	1.58e-15	2.29e+00	4.89e-03
338	4.50e-01	1.17e-15	1.54e+00	1.22e-14	4.76e+00	1.09e-13	6.32e-02	1.95e-15	6.39e-02	1.95e-15	1.40e-01	1.87e-15	3.38e+00	1.95e-15	2.01e+00	1.82e-02
339	5.02e-01	8.51e-15	2.94e+00	7.90e-15	6.62e+00	2.03e-13	6.28e-02	3.42e-15	5.63e-02	3.42e-15	6.80e-02	2.94e-15	2.64e+00	3.55e-15	2.01e+00	3.26e-03
340	5.13e-01	7.93e-15	5.08e+00	7.10e-15	5.19e+00	1.62e-13	7.55e-02	2.08e-15	5.83e-02	2.08e-15	1.70e-01	1.99e-15	3.39e+00	2.08e-15	2.01e+00	1.32e-02
341	7.01e-01	3.91e-15	1.00e+00	6.20e-15	1.79e+00	6.37e-14	7.81e-02	1.41e-15	5.62e-02	1.41e-15	6.46e-02	1.74e-15	2.68e+00	1.41e-15	2.04e+00	3.70e-03
342	7.16e-01	3.23e-15	8.26e-01	6.60e-15	2.28e+00	1.64e-13	8.95e-02	2.47e-15	5.98e-02	2.47e-15	9.08e-02	2.53e-15	2.89e+00	2.63e-15	2.04e+00	1.22e-02
343	4.51e-01	7.15e-16	8.16e-01	3.70e-15	1.24e+00	3.40e-14	5.06e-02	1.61e-15	6.40e-02	1.61e-15	6.45e-02	1.73e-15	2.89e+00	1.16e-15	2.30e+00	8.27e-03
344	4.43e-01	1.26e-15	7.66e-01	5.50e-15	9.36e-01	3.75e-14	6.25e-02	2.57e-15	6.40e-02	2.57e-15	6.37e-02	2.39e-15	2.14e+00	3.23e-15	1.74e+00	3.06e-02
345	4.95e-01	4.37e-16	1.08e+00	3.70e-15	1.90e+00	3.35e-14	5.02e-02	1.38e-15	5.85e-02	1.38e-15	9.99e-02	1.38e-15	3.39e+00	1.38e-15	2.29e+00	6.48e-03
346	5.20e-01	1.22e-15	8.03e-01	4.00e-15	2.20e+00	4.24e-14	7.43e-02	1.77e-15	5.84e-02	1.77e-15	6.26e-02	2.07e-15	2.64e+00	1.77e-15	1.74e+00	2.46e-02
347	1.72e+00	1.64e-15	3.73e-01	1.10e-15	5.47e-01	7.40e-15	2.23e-01	1.57e-15	8.04e-02	1.57e-15	5.91e-01	1.57e-15	6.34e+00	1.57e-15	3.32e+00	1.01e-02
348	3.45e+00	3.30e-15	3.76e-01	6.00e-16	5.62e-01	2.20e-15	8.27e-01	9.01e-16	7.50e-02	9.01e-16	1.19e+02	3.15e-01	7.44e+00	1.02e-15	3.85e+00	1.31e-02
349	1.92e+00	4.53e-15	4.60e-01	1.20e-15	7.43e-01	1.53e-14	2.10e+00	1.66e-15	7.52e-02	1.66e-15	3.11e-01	6.04e-15	8.13e+00	1.66e-15	6.34e+00	3.31e-03
350	1.85e+00	1.51e-14	6.83e-01	2.70e-15	9.63e-01	8.54e-14	2.06e+00	4.83e-15	7.51e-02	4.83e-15	1.93e+01	3.38e-15	8.10e+00	4.83e-15	6.34e+00	4.31e-03
351	5.93e-01	8.00e-11	6.65e-02	0.00e+00	6.32e-02	0.00e+00	4.53e-01	1.67e-16	5.09e-02	1.67e-16	5.76e+01	8.03e-01	8.15e+00	1.67e-16	5.29e+00	2.56e-03
352	6.46e-01	4.51e-11	6.32e-02	2.00e-16	6.65e-02	2.00e-16	4.77e+00	3.18e-03	1.54e+00	3.51e-16	1.24e+01	1.64e-03	8.30e+00	3.51e-16	6.30e+00	1.24e-02
353	1.65e+00	4.34e-15	5.87e-01	7.00e-16	6.92e-01	2.80e-15	1.53e+00	1.73e-15	8.10e-02	1.73e-15	3.63e+00	2.17e-15	8.12e+00	1.73e-15	6.29e+00	1.28e-02
354	1.73e+00	4.14e-15	4.80e-01	2.00e-16	6.60e-01	2.00e-16	2.54e+00	1.19e-15	1.22e-01	1.19e-15	7.49e+01	3.44e+01	8.15e+00	1.19e-15	6.28e+00	1.15e-02
355	1.55e+00	1.72e-15	5.40e-01	2.20e-15	7.47e-01	6.30e-15	1.39e-01	1.05e-14	2.75e-01	1.05e-14	1.92e-01	9.95e-15	1.00e+01	1.05e-14	8.29e+00	5.85e-03
356	1.55e+00	2.03e-15	5.29e-01	8.00e-16	6.86e-01	1.60e-15	1.39e-01	1.19e-14	2.75e-01	1.19e-14	1.90e-01	1.13e-14	8.17e+00	8.45e-15	7.26e+00	5.77e-03
357	1.63e+00	1.91e-15	2.43e+00	1.14e-14	8.63e+00	9.70e-14	1.33e-01	2.31e-15	1.47e-01	2.31e-15	1.82e-01	2.22e-15	8.11e+00	1.70e-15	6.34e+00	6.42e-03
358	1.59e+00	1.62e-15	1.93e+00	8.70e-15	4.11e+00	8.43e-14	1.34e-01	2.63e-15	1.38e-01	2.63e-15	1.97e-01	2.37e-15	7.17e+00	3.17e-15	6.34e+00	8.39e-03
359	1.34e+00	2.04e-15	1.03e+01	1.40e-13	2.63e+01	2.38e-13	1.35e-01	1.18e-14	2.07e-01	1.18e-14	1.93e-01	7.30e-15	8.12e+00	1.17e-14	7.25e+00	6.41e-03
360	1.23e+00	2.15e-15	1.18e+01	1.01e-12	1.46e+01	3.99e-13	1.34e-01	9.46e-15	2.07e-01	9.46e-15	2.71e-01	9.48e-15	9.08e+00	4.82e-15	8.27e+00	1.97e-03
361	1.30e+00	2.04e-15	4.53e+00	4.62e-14	1.48e+01	5.12e-13	1.35e-01	4.97e-15	2.09e-01	4.97e-15	1.97e-01	3.68e-15	9.06e+00	4.97e-15	7.35e+00	3.49e-03
362	1.38e+00	2.27e-15	4.27e+00	3.12e-14	1.17e+01	1.50e-13	1.35e-01	3.22e-15	2.11e-01	3.22e-15	1.98e-01	3.37e-15	9.09e+00	3.22e-15	7.35e+00	4.96e-03
363	1.35e+00	1.97e-15	3.27e+00	4.45e-14	1.59e+01	2.58e-13	1.35e-01	4.25e-15	2.33e-01	4.25e-15	1.90e-01	4.88e-15	9.08e+00	4.25e-15	7.36e+00	5.52e-03
364	1.34e+00	2.22e-15	3.08e+00	7.78e-14	1.34e+01	5.63e-14	1.36e-01	4.73e-15	2.55e-01	4.73e-15	1.93e-01	5.18e-15	9.09e+00	4.73e-15	7.39e+00	4.76e-03
365	1.61e+00	1.81e-15	7.68e+00	1.19e-13	9.97e+00	2.11e-13	1.34e-01	8.52e-15	1.38e-01	8.52e-15	1.82e-01	9.87e-15	7.16e+00	8.52e-15	6.33e+00	3.56e-03
366	1.71e+00	1.13e-15	7.37e+00	1.04e-13	4.62e+01	1.04e-13	1.89e-01	6.37e-15	1.49e-01	6.37e-15	1.73e-01	4.77e-15	8.09e+00	5.16e-15	6.33e+00	8.74e-03
367	1.63e+00	2.75e-15	2.96e+00	1.35e-14	7.75e+00	2.35e-13	1.34e-01	5.11e-15	1.47e-01	5.11e-15	3.32e-01	5.11e-15	9.05e+00	5.11e-15	6.42e+00	6.74e-03
368	1.61e+00	2.61e-15	2.28e+00	4.99e-13	8.07e+00	2.05e-13	1.34e-01	3.23e-15	1.48e-01	3.23e-15	1.78e-01	3.08e-15	8.17e+00	3.23e-15	7.37e+00	1.71e-03
369	1.41e+00	1.53e-15	3.42e+00	4.96e-13	7.50e+00	1.41e-13	1.35e-01	3.62e-15	2.09e-01	3.62e-15	1.94e-01	5.04e-15	7.17e+00	4.00e-15	6.33e+00	9.45e-03
370	1.40e+00	2.27e-15	2.94e+00	2.65e-14	1.05e+01	1.46e-13	1.35e-01	2.79e-15	2.09e-01	2.79e-15	1.96e-01	3.05e-15	8.09e+00	2.79e-15	7.35e+00	4.03e-02
371	1.59e+00	1.33e-15	1.92e+00	3.90e-15	3.91e+00	7.49e-13	1.34e-01	3.10e-15	1.38e-01	3.10e-15	1.84e-01	2.59e-15	8.11e+00	3.10e-15	6.33e+00	1.04e-02
372	1.64e+00	1.77e-15	2.17e+00	6.60e-15	3.91e+00	1.30e-13	1.33e-01	3.16e-15	1.48e-01	3.16e-15	1.76e-01	3.30e-15	8.09e+00	3.16e-15	7.35e+00	1.75e-03
373	2.36e+00	1.05e-15	1.12e+00	6.30e-15	1.49e+00	2.96e-13	4.42e-01	1.72e-15	1.41e-01	1.72e-15	3.08e-01	1.49e-15	1.31e+01	2.34e-15	1.06e+01	4.81e-03
374	2.46e+00	5.55e-16	9.49e-01	1.50e-15	1.34e+00	1.40e-15	4.50e-01	1.11e-15	1.52e-01	7.77e-16	3.73e-01	6.72e-16	1.59e+01	7.77e-16	9.13e+00	2.41e-02
375	3.37e+00	2.94e-15	8.73e-01	3.10e-15	1.33e+00	5.98e-14	1.25e+00	4.64e-15	1.14e-01	4.64e-15	7.19e+01	4.04e-15	1.30e+01	1.94e-15	9.15e+00	8.32e-03
376	3.16e+00	1.30e-14	1.38e+00	3.70e-15	1.48e+00	2.35e-14	2.62e+00	5.13e-15	1.14e-01	5.13e-15	1.34e+02	3.98e+01	1.44e+01	5.13e-15	9.15e+00	4.82e-03
377	3.09e+00	6.55e-15	7.00e-01	7.00e-16	1.06e+00	1.00e-15	1.12e+00	2.89e-15	1.13e-01	2.89e-15	6.16e+00	2.03e-14	1.31e+01	2.89e-15	9.14e+00	1.21e-02
378	3.11e+00	2.70e-15	6.56e-01	6.00e-16	1.11e+00	8.00e-16	1.01e+00	7.63e-15	1.25e-01	7.63e-15	2.22e-01	5.98e-15	1.17e+01	7.63e-15	9.14e+00	8.21e-03

379	4.39e+00	9.98e-17	4.66e-01	8.00e-16	6.56e-01	1.10e-15	7.91e-01	8.38e-16	1.02e-01	6.13e-16	7.13e+00	5.84e-16	1.17e+01	6.13e-16	7.61e+00	1.03e-02
380	4.56e+00	6.94e-16	4.80e-01	4.00e-16	6.59e-01	1.80e-15	1.42e+00	2.26e-15	2.48e-01	2.26e-15	1.83e+00	2.26e-15	1.17e+01	2.26e-15	9.10e+00	1.50e-02
381	2.29e+00	1.11e-15	1.17e+00	2.00e-15	1.41e+00	7.00e-15	1.04e+00	2.46e-15	1.06e-01	2.46e-15	2.41e-01	2.42e-15	1.17e+01	2.46e-15	9.14e+00	8.44e-03
382	2.28e+00	1.91e-15	1.27e+00	2.40e-15	1.62e+00	3.24e-14	1.64e+00	5.30e-05	1.17e-01	9.75e-15	5.11e+00	1.89e-04	1.17e+01	9.75e-15	9.14e+00	2.98e-03
383	2.16e+00	2.88e-15	4.16e+00	2.88e-14	9.52e+00	1.48e-13	1.86e-01	3.33e-15	2.00e-01	3.33e-15	2.17e-01	3.31e-15	1.31e+01	3.33e-15	1.07e+01	2.65e-03
384	2.15e+00	2.78e-15	3.20e+00	8.80e-15	8.60e+00	1.58e-13	1.87e-01	4.19e-15	2.13e-01	4.19e-15	2.24e-01	2.95e-15	1.45e+01	4.19e-15	1.07e+01	8.23e-03
385	1.87e+00	1.59e-15	1.77e+01	1.02e-14	2.81e+01	8.00e-13	1.88e-01	8.00e-15	2.50e-01	8.00e-15	2.48e-01	7.38e-15	1.44e+01	8.00e-15	1.06e+01	6.26e-03
386	1.88e+00	2.40e-15	1.94e+01	1.21e-13	4.67e+01	1.97e-13	1.88e-01	3.19e-15	2.51e-01	3.19e-15	3.84e-01	3.17e-15	1.45e+01	3.19e-15	1.06e+01	4.70e-03
387	1.94e+00	2.48e-15	4.75e+00	1.04e-14	1.17e+01	1.24e-13	1.87e-01	3.82e-15	2.38e-01	3.82e-15	2.45e-01	3.58e-15	1.31e+01	3.82e-15	9.21e+00	1.66e-02
388	1.94e+00	1.71e-15	6.75e+00	1.88e-13	1.87e+01	6.83e-13	1.87e-01	3.61e-15	2.51e-01	3.61e-15	6.56e-01	2.35e-03	1.45e+01	3.61e-15	9.22e+00	2.29e-02
389	2.16e+00	1.14e-15	1.45e+01	2.20e-14	2.19e+01	1.16e-12	1.87e-01	4.55e-15	2.12e-01	4.55e-15	2.07e-01	5.33e-15	1.31e+01	4.55e-15	1.07e+01	2.92e-03
390	2.14e+00	1.62e-15	1.65e+01	1.79e-14	3.62e+01	2.71e-13	1.86e-01	9.56e-15	2.12e-01	9.56e-15	2.15e-01	6.06e-15	1.31e+01	8.43e-15	1.07e+01	3.25e-03
391	2.40e+00	4.61e-15	3.21e+00	1.37e-14	1.22e+01	1.09e-13	1.88e-01	5.47e-15	1.92e-01	5.47e-15	4.03e-01	5.50e-15	1.45e+01	5.47e-15	9.14e+00	1.41e-02
392	2.43e+00	3.75e-15	4.11e+00	2.30e-14	1.24e+01	1.53e-13	2.68e-01	5.13e-15	2.06e-01	5.13e-15	2.03e-01	3.23e-15	1.44e+01	5.13e-15	1.06e+01	2.16e-02
393	1.93e+00	2.00e-15	5.15e+00	7.33e-14	2.47e+01	8.81e-13	1.88e-01	3.92e-15	2.50e-01	3.92e-15	2.44e-01	3.24e-15	1.44e+01	3.92e-15	1.07e+01	1.60e-02
394	1.95e+00	1.82e-15	3.41e+00	1.75e-14	1.43e+01	1.13e-13	1.87e-01	3.21e-15	2.50e-01	3.21e-15	2.35e-01	2.90e-15	1.31e+01	3.21e-15	9.21e+00	2.57e-02
395	2.15e+00	1.59e-15	3.16e+00	6.00e-15	9.17e+00	1.19e-13	1.86e-01	2.63e-15	2.00e-01	2.63e-15	2.18e-01	3.29e-15	1.31e+01	2.25e-15	1.07e+01	7.36e-03
396	2.16e+00	1.81e-15	3.46e+00	2.82e-14	8.53e+00	4.30e-14	2.69e-01	3.73e-15	2.00e-01	3.73e-15	7.21e-01	3.74e-15	1.44e+01	3.73e-15	1.07e+01	5.48e-03
397	6.56e+00	1.62e-15	7.80e-01	6.00e-16	1.24e+00	1.70e-15	1.75e+00	8.89e-15	1.65e-01	8.89e-15	2.70e+00	6.31e-15	1.92e+01	8.89e-15	1.21e+01	8.34e-03
398	6.01e+02	1.53e-06	8.03e-01	7.20e-15	1.39e+00	8.62e-14	5.14e+00	2.19e-14	1.36e-01	2.19e-14	1.77e+01	2.19e-14	2.47e+01	2.19e-14	1.40e+01	7.34e-01
399	1.23e+01	3.68e-15	5.80e-01	1.00e-16	7.33e-01	1.00e-16	1.25e+00	8.05e-15	1.50e-01	8.05e-15	1.59e+00	8.05e-15	1.92e+01	8.05e-15	1.40e+01	2.79e-03
400	1.24e+01	3.07e-15	6.00e-01	9.00e-16	7.40e-01	6.90e-15	3.08e+00	6.59e-15	2.08e-01	6.59e-15	2.06e+00	6.62e-15	1.93e+01	9.00e-15	1.40e+01	6.07e-03
401	4.26e+00	7.25e-15	1.21e+00	1.20e-15	1.98e+00	2.01e-14	3.11e+00	2.98e-15	1.66e-01	2.98e-15	2.16e+02	1.11e+00	2.09e+01	2.98e-15	1.21e+01	1.47e-02
402	4.51e+00	1.30e-14	1.07e+00	3.00e-15	2.13e+00	1.26e-13	3.87e+00	4.73e-15	1.66e-01	4.73e-15	3.26e+01	4.71e-15	1.74e+01	3.82e-15	1.21e+01	8.50e-03
403	6.31e+00	1.19e-15	7.86e-01	4.80e-15	1.17e+00	6.00e-16	2.25e+00	1.92e-15	1.35e-01	1.92e-15	4.65e+00	2.03e-15	1.91e+01	2.67e-15	1.41e+01	2.84e-03
404	6.60e+00	1.17e-15	7.97e-01	4.00e-16	1.19e+00	2.80e-15	2.11e+00	1.50e-15	1.50e-01	1.50e-15	4.98e+00	1.50e-15	2.28e+01	1.50e-15	1.40e+01	3.20e-03
405	3.87e+00	1.30e-15	1.02e+00	1.10e-15	1.43e+00	2.60e-15	1.23e+00	1.72e-15	1.80e-01	2.51e-15	6.85e-01	1.96e-15	1.56e+01	2.51e-15	1.21e+01	2.15e-03
406	4.06e+00	1.26e-15	1.07e+00	2.60e-15	1.55e+00	1.31e-14	3.15e+00	3.69e-15	3.37e-01	3.69e-15	1.37e+00	3.68e-15	2.10e+01	3.69e-15	1.60e+01	4.90e-03
407	2.66e+00	1.82e-15	5.99e+00	4.96e-14	1.83e+01	2.78e-13	2.33e-01	3.55e-15	2.71e-01	3.55e-15	2.99e-01	2.85e-15	2.10e+01	3.55e-15	1.60e+01	7.49e-03
408	2.67e+00	1.59e-15	5.66e+00	1.31e-14	1.53e+01	5.49e-14	2.34e-01	3.12e-15	2.70e-01	3.12e-15	3.12e-01	2.23e-15	2.09e+01	3.12e-15	1.40e+01	1.35e-02
409	2.39e+00	1.28e-15	2.75e+01	2.72e-14	7.03e+01	8.15e-13	2.33e-01	9.16e-15	3.21e-01	9.16e-15	2.89e-01	9.40e-15	2.09e+01	9.16e-15	1.40e+01	1.64e-02
410	2.39e+00	1.60e-15	2.80e+01	2.90e-13	8.79e+01	2.39e-13	2.33e-01	6.29e-15	3.18e-01	6.29e-15	7.54e-01	6.22e-15	2.28e+01	6.76e-15	1.39e+01	2.39e-02
411	2.44e+00	2.16e-15	1.04e+01	1.19e-14	2.82e+01	1.65e-13	2.33e-01	3.83e-15	3.03e-01	3.83e-15	2.85e-01	3.67e-15	1.91e+01	3.21e-15	1.40e+01	2.77e-02
412	2.44e+00	1.79e-15	8.67e+00	1.00e-14	3.66e+01	1.95e-13	2.34e-01	2.87e-15	3.19e-01	2.87e-15	2.85e-01	3.10e-15	1.74e+01	3.43e-15	1.40e+01	9.48e-03
413	2.67e+00	2.27e-15	3.28e+01	2.41e-14	5.70e+01	1.21e-13	2.33e-01	6.45e-15	2.71e-01	6.45e-15	8.51e-01	6.45e-15	2.09e+01	7.96e-15	1.40e+01	1.29e-02
414	2.67e+00	1.88e-15	3.79e+01	1.55e-14	1.47e+02	2.38e-13	2.34e-01	7.90e-15	2.72e-01	7.90e-15	3.04e-01	4.71e-15	2.09e+01	7.90e-15	1.60e+01	3.93e-03
415	3.54e+00	5.04e-15	5.82e+00	9.80e-15	2.09e+01	1.74e-13	2.35e-01	2.94e-15	2.71e-01	2.94e-15	1.41e+00	2.87e-15	2.28e+01	2.30e-15	1.40e+01	1.37e-02
416	3.39e+00	5.81e-15	8.04e+00	1.24e-14	2.34e+01	3.46e-13	2.35e-01	6.51e-15	2.71e-01	6.51e-15	2.88e-01	4.45e-15	1.92e+01	6.99e-15	1.41e+01	4.48e-03
417	2.46e+00	1.73e-15	5.28e+00	1.39e-14	1.35e+01	1.32e-13	2.34e-01	2.68e-15	3.20e-01	2.68e-15	2.87e-01	2.92e-15	1.91e+01	3.12e-15	1.40e+01	1.08e-02
418	2.46e+00	1.51e-15	6.63e+00	2.16e-14	2.25e+01	1.52e-13	3.39e-01	3.05e-15	3.21e-01	3.05e-15	2.83e-01	3.15e-15	2.09e+01	2.25e-15	1.40e+01	1.87e-02
419	2.67e+00	1.90e-15	4.33e+00	5.61e-14	8.46e+00	8.12e-14	2.32e-01	2.61e-15	2.70e-01	2.61e-15	2.99e-01	2.92e-15	1.73e+01	3.34e-15	1.40e+01	3.73e-03
420	2.68e+00	3.18e-15	4.97e+00	7.10e-15	8.10e+00	1.94e-13	2.33e-01	2.85e-15	2.86e-01	2.85e-15	5.58e-01	2.78e-15	2.09e+01	2.85e-15	1.60e+01	3.78e-03
421	1.43e+01	4.15e-16	2.12e+00	4.30e-15	2.87e+00	2.30e-15	3.07e+00	1.66e-15	2.89e-01	1.66e-15	7.94e+00	1.00e-15	5.40e+01	1.66e-15	2.72e+01	2.22e-02
422	6.74e+01	1.70e-15	2.11e+00	6.00e-16	2.87e+00	6.00e-15	2.52e+00	2.53e-15	3.73e-01	2.53e-15	5.76e+00	2.47e-15	5.77e+01	2.53e-15	3.10e+01	1.17e-02
423	2.41e+00	1.84e-13	1.59e-02	1.00e-16	3.56e-02	1.00e-16	2.97e+00	5.16e-02	2.64e-02	3.48e-16	1.29e+00	3.02e-16	6.22e-01	3.48e-16	4.20e+00	1.41e-03
424	2.65e+00	1.23e-10	2.29e-02	2.00e-16	3.63e-02	3.00e-16	2.25e-01	5.82e-16	3.93e-02	5.93e-16	8.98e-01	5.93e-16	5.59e-01	5.93e-16	4.17e+00	8.25e-04
425	2.75e+00	1.43e-10	1.59e-02	2.00e-16	3.63e-02	2.00e-16	3.75e-02	1.08e-15	1.90e-01	1.08e-15	4.47e-02	1.85e-15	5.88e-01	1.08e-15	5.49e+00	2.57e-03
426	2.76e+00	3.98e-10	2.00e-02	3.00e-16	3.63e-02	3.00e-16	3.75e-02	1.36e-15	2.33e-01	1.36e-15	4.68e-02	2.50e-15	5.59e-01	1.61e-15	5.49e+00	5.74e-03
427	1.84e+00	1.33e-09	2.00e-02	1.00e-16	1.82e-02	1.00e-16	3.27e-02	3.38e-16	2.32e-02	3.38e-16	4.16e+00	6.51e+00	8.05e-02	3.24e-16	4.06e+00	3.24e-03
428	1.28e+01	6.78e-05	2.00e-02	1.00e-16	2.29e-02	1.30e-15	1.18e+00	2.32e-15	6.96e-01	2.38e-15	4.50e+00	6.85e+01	9.10e-01	4.59e-03	1.59e+01	1.50e-02
429	1.53e+00	3.70e-12	1.00e-02	1.00e-16	1.59e-02	2.00e-16	1.35e-01	0.00e+00	2.23e-02	0.00e+00	4.49e+00	9.36e-01	7.02e-02	1.24e-16	7.32e-02	1.18e-03
430	1.01e+01	1.24e-12	1.26e-02	0.00e+00	2.29e-02	0.00e+00	5.90e-01	0.00e+00	9.74e-01	0.00e+00	5.28e+00	8.36e+01	4.15e-01	9.93e-17	2.36e-01	1.05e-02
431	5.11e+00	7.25e-10	3.00e-02	2.00e-16	4.64e-02	2.00e-16	3.63e-01	4.10e-16	5.32e-02	4.10e-16	2.07e-01	4.79e-16	2.67e-01	4.14e-16	4.20e+00	1.54e-03
432	5.29e+00	4.76e-10	2.62e-02	3.00e-16	3.91e-02	7.00e-16	9.75e-01	1.41e-15	4.40e-01	1.41e-15	4.50e-01	1.51e-15	8.17e-01	1.43e-15	4.87e+00	1.49e-02
433	4.64e+00	4.31e-08	2.29e-02	1.00e-16	4.64e-02	1.00e-16	2.14e-01	3.19e-16	4.99e-02	3.19e-16	4.94e-01	5.21e-16	1.93e-01	3.19e-16	4.19e+00	8.81e-03

434	5.65e+00	2.11e-10	2.62e-02	2.00e-16	3.91e-02	2.00e-16	2.96e+00	6.93e-03	9.66e-01	3.04e-16	4.39e+00	3.04e-16	1.13e+00	9.06e-03	4.86e+00	2.05e-02
435	4.42e+00	1.51e-14	1.59e-02	2.00e-16	2.00e-02	2.00e-16	9.92e-02	2.43e-16	4.12e-02	2.24e-16	1.86e+01	1.36e+00	1.78e-01	3.14e-16	1.16e-01	9.87e-03
436	4.47e+00	8.38e-15	2.00e-02	6.00e-16	2.29e-02	6.00e-16	3.36e-01	5.08e-16	6.34e-02	5.10e-16	7.37e+00	4.08e-16	2.97e-01	5.10e-16	1.33e-01	6.34e-03
437	3.92e+00	2.01e-14	2.29e-02	3.00e-16	2.52e-02	3.00e-16	1.56e-01	7.61e-16	4.82e-02	5.80e-16	6.20e+00	7.26e-16	1.46e-01	6.57e-16	5.77e+00	3.88e-02
438	3.11e+01	3.47e-04	1.59e-02	4.00e-16	3.00e-02	4.00e-16	4.53e+00	5.72e+00	2.13e+00	6.48e-16	9.19e-01	2.19e-03	8.30e-01	2.44e-02	2.12e+01	4.68e-02
439	7.85e+00	1.42e-15	3.00e-02	2.00e-16	5.81e-02	2.00e-16	4.32e-01	4.55e-16	7.06e-02	4.06e-16	4.38e-01	5.57e-16	4.86e-01	4.06e-16	4.38e+00	2.22e-02
440	8.96e+00	1.87e-11	3.00e-02	2.00e-16	6.00e-02	8.00e-16	6.92e+00	9.76e-02	8.48e-01	1.91e-15	4.67e-01	1.09e-03	1.28e+00	1.91e-15	5.83e+00	1.08e-02
441	7.38e+00	7.15e-15	2.62e-02	3.00e-16	3.63e-02	8.00e-16	2.66e-01	4.36e-16	5.56e-02	2.55e-16	3.07e+00	2.89e-16	3.21e-01	2.01e-16	1.68e-01	2.09e-02
442	6.05e+01	3.91e-04	2.00e-02	4.00e-16	3.56e-02	8.00e-16	5.66e+00	1.19e+00	1.98e+00	1.48e-15	2.90e-01	1.48e-15	1.53e+00	2.43e-02	2.10e-01	3.80e-02
443	7.37e+00	1.87e-11	3.63e-02	2.00e-16	5.43e-02	2.00e-16	6.68e-01	1.91e-16	7.10e-02	1.88e-16	5.80e-01	2.08e-16	4.71e-01	1.88e-16	4.41e+00	1.24e-02
444	8.51e+00	2.29e-10	4.00e-02	3.00e-16	5.94e-02	2.00e-16	6.42e-01	6.56e-16	1.63e-01	6.56e-16	2.88e-01	5.28e-16	8.48e-01	6.56e-16	5.12e+00	2.95e-02
445	6.10e+01	3.35e-14	4.00e-02	3.00e-16	4.93e-02	3.00e-16	2.15e-01	2.99e-16	6.37e-02	2.99e-16	5.49e+00	2.99e-16	3.35e-01	2.61e-16	4.30e+00	2.64e-02
446	8.77e+00	4.04e-10	3.30e-02	4.00e-16	4.64e-02	4.00e-16	5.00e+00	2.27e-01	8.90e-01	5.53e-16	9.06e-01	5.56e-16	2.24e+00	3.67e-03	5.63e+00	2.48e-02
447	1.65e+01	2.23e-12	5.00e-02	1.00e-16	8.32e-02	6.00e-16	2.00e+00	7.25e-02	1.33e-01	4.25e-16	6.36e-01	5.36e-16	7.32e-01	5.24e-16	5.26e+00	7.32e-03
448	1.37e+02	5.12e-08	4.64e-02	4.00e-16	9.65e-02	9.00e-16	7.61e+00	6.75e-01	9.74e-01	1.27e-15	3.27e-01	1.27e-15	2.08e+00	1.27e-15	6.76e+00	2.77e-02
449	3.06e+01	9.12e-10	2.89e-01	4.00e-16	4.33e-01	6.00e-16	4.78e+00	4.79e-16	3.22e+00	5.49e-01	2.46e-01	4.35e-16	6.00e+00	4.55e-16	2.22e+02	6.25e-03
450	3.49e+01	4.50e-11	2.63e-01	3.00e-16	4.03e-01	9.00e-16	2.30e+01	5.09e-02	2.56e-01	4.44e-16	9.08e+00	4.24e-16	6.91e+00	4.99e-16	2.66e+02	4.50e-03
451	3.21e+01	7.13e-10	2.53e-01	9.00e-16	3.97e-01	8.00e-16	3.91e-01	2.89e-15	1.59e+00	2.89e-15	8.08e-01	2.89e-15	6.96e+00	2.89e-15	3.54e+02	3.33e-03
452	3.20e+01	6.22e-10	2.60e-01	1.30e-15	3.93e-01	9.00e-16	3.97e-01	5.20e-15	1.85e+00	5.20e-15	6.58e-01	5.19e-15	6.29e+00	6.89e-15	3.10e+02	1.86e-02
453	1.86e+01	1.66e-16	7.61e-02	1.00e-16	1.39e-01	1.00e-16	7.82e-01	5.30e-16	1.79e-01	5.30e-16	1.44e+01	3.06e+01	3.93e-01	5.30e-16	1.06e+02	1.09e-03
454	2.28e+01	3.56e-10	7.96e-02	3.00e-16	1.33e-01	1.40e-15	1.02e+01	6.68e-02	7.84e+00	3.39e-15	1.65e+01	1.18e+03	1.87e+00	3.39e-15	5.52e+02	5.84e-03
455	1.40e+01	1.11e-16	6.65e-02	1.00e-16	1.03e-01	1.00e-16	3.77e-01	1.11e-16	1.76e-01	1.11e-16	2.65e+01	4.65e+00	2.14e-01	1.91e-16	3.42e-01	1.60e-03
456	1.45e+01	1.17e-11	7.00e-02	1.00e-16	1.10e-01	2.00e-16	8.19e+00	7.51e-02	1.03e+01	1.11e-16	2.38e+01	3.52e+02	2.99e+00	8.19e-03	2.48e+00	2.27e-02
457	7.14e+01	4.27e-13	2.93e-01	3.00e-16	4.47e-01	3.00e-16	8.89e+00	6.80e-16	3.35e-01	3.36e-16	6.21e+01	7.92e+00	4.24e+00	6.07e-16	2.66e+02	7.63e-03
458	7.69e+01	4.65e-10	2.87e-01	4.00e-16	4.22e-01	1.00e-15	3.08e+01	3.32e-01	4.78e+00	2.55e-15	6.71e+01	6.24e+01	1.47e+01	6.33e-03	3.54e+02	1.29e-02
459	6.53e+01	1.86e-15	3.10e-01	4.00e-16	4.63e-01	4.00e-16	3.36e+00	8.23e-16	3.47e-01	8.23e-16	6.50e+01	1.56e+01	2.01e+00	7.35e-16	2.66e+02	2.35e-03
460	7.44e+01	5.45e-10	3.03e-01	1.00e-16	4.70e-01	1.00e-16	3.30e+01	1.25e+00	1.02e+01	4.98e-16	6.42e+01	5.92e+02	1.50e+01	4.60e-02	3.53e+02	1.48e-02
461	4.07e+01	2.10e-14	9.97e-02	4.00e-16	1.53e-01	4.00e-16	3.96e+00	1.02e-01	2.60e-01	3.61e-16	8.00e+01	6.23e+00	9.58e-01	3.08e-16	5.08e-01	3.26e-02
462	5.40e+01	1.54e-11	9.32e-02	4.00e-16	1.63e-01	4.00e-16	1.51e+01	4.38e+00	3.27e+01	1.79e-15	3.68e+01	5.92e+02	3.26e+00	1.74e-01	5.86e-01	1.53e-01
463	4.07e+01	8.68e-10	9.65e-02	3.00e-16	1.56e-01	3.00e-16	1.63e+00	1.68e-16	2.60e-01	4.56e-16	1.63e+01	4.17e+01	8.40e-01	1.68e-16	2.29e+02	6.97e-03
464	4.75e+01	2.98e-14	1.03e-01	4.00e-16	1.70e-01	4.00e-16	9.95e+00	1.22e+01	4.30e+01	8.91e-16	2.24e+01	2.47e+02	3.80e+00	2.18e-01	5.87e+02	6.31e-02
465	1.31e+02	6.65e-11	3.32e-01	4.00e-16	5.63e-01	4.00e-16	1.05e+00	7.34e-16	4.36e-01	7.34e-16	6.77e+01	5.65e+00	3.65e+00	7.34e-16	2.66e+02	1.44e-02
466	1.30e+02	2.18e-10	3.33e-01	2.00e-16	5.36e-01	1.00e-15	3.40e+01	5.75e-02	9.14e+00	2.62e-15	7.28e+01	5.65e+01	2.96e+01	9.16e-03	3.98e+02	1.43e-02
467	7.83e+01	3.09e-15	1.23e-01	4.00e-16	2.20e-01	4.00e-16	4.13e+00	6.75e-04	3.54e-01	3.94e-16	9.02e+01	3.97e+00	2.11e+00	4.75e-16	7.22e-01	8.37e-03
468	9.59e+01	7.20e-12	1.30e-01	4.00e-16	2.13e-01	8.00e-16	2.69e+01	8.32e+00	5.45e+01	2.74e-15	4.09e+01	7.91e+01	4.94e+00	2.70e-01	9.10e-01	7.12e-02
469	8.98e+01	1.42e-09	3.53e-01	4.00e-16	5.63e-01	4.00e-16	4.89e+00	2.90e-16	4.59e-01	2.17e-16	3.65e+01	3.03e-16	4.23e+00	2.17e-16	3.10e+02	3.63e-03
470	1.27e+02	4.75e-15	3.57e-01	6.00e-16	5.63e-01	6.00e-16	8.16e+00	3.72e-16	1.75e+00	3.43e-16	1.75e+02	9.55e+00	8.42e+00	3.76e-16	3.10e+02	1.16e-02
471	1.35e+02	6.70e-10	3.60e-01	3.00e-16	5.32e-01	3.00e-16	5.26e+00	6.03e-16	4.45e-01	5.00e-16	7.14e+01	6.11e+01	3.24e+00	6.03e-16	3.10e+02	7.86e-03
472	1.36e+02	1.38e-15	3.50e-01	4.00e-16	5.13e-01	4.00e-16	4.14e+01	7.06e+00	1.25e+01	9.59e-16	8.00e+01	6.95e+01	1.40e+01	1.57e-01	3.10e+02	6.20e-02
473	2.21e+02	1.77e-14	4.36e-01	2.00e-16	6.80e-01	2.00e-16	4.79e+00	3.34e-16	6.45e-01	5.06e-16	3.48e+01	4.38e-16	6.27e+00	5.12e-16	3.10e+02	2.57e-02
474	2.79e+02	3.88e-08	4.30e-01	6.00e-16	6.66e-01	8.00e-16	6.26e+01	1.33e+00	1.42e+01	2.11e-15	6.94e+00	2.11e-15	2.22e+01	1.23e-01	4.42e+02	4.33e-02
475	1.21e+00	1.62e-14	3.53e-01	2.12e-14	2.83e+00	1.53e-13	1.32e+00	3.04e-01	1.15e+00	2.64e-13	2.90e+00	2.21e+00	1.13e+00	9.26e-06	1.02e+00	1.98e-02
476	1.21e+00	3.71e-14	1.00e-02	6.00e-16	1.26e-02	2.00e-16	1.23e+00	3.20e-01	8.64e-01	2.71e-13	2.02e+00	1.19e+01	1.13e+00	6.20e-06	1.02e+00	1.07e-02
477	1.47e+00	4.80e-15	5.77e-01	1.62e-14	2.01e+00	1.57e-14	9.38e-01	5.31e-15	1.16e+00	2.31e-13	2.39e+00	5.55e+01	1.07e+00	6.75e-15	1.05e+00	1.10e-02
478	6.82e-01	1.22e-14	1.23e-01	3.60e-15	1.56e-01	1.28e-14	4.02e-01	7.26e-15	5.28e-01	7.26e-15	5.17e-01	2.57e-03	1.06e+00	6.79e-15	1.01e+00	7.38e-03
479	7.24e-01	3.77e-15	1.03e+00	3.81e-13	4.22e+00	2.27e-13	4.49e-01	4.38e-15	5.29e-01	4.38e-15	5.27e-01	4.38e-15	1.12e+00	4.38e-15	1.02e+00	9.65e-03
480	6.50e-01	1.51e-14	1.53e+00	1.10e-13	4.25e+00	2.36e-13	4.04e-01	3.17e-15	5.29e-01	3.17e-15	4.91e-01	3.62e-03	1.15e+00	3.17e-15	1.06e+00	5.37e-03
481	6.62e-01	3.83e-15	7.43e-01	1.62e-13	1.30e+01	2.74e-13	3.85e-01	3.83e-15	5.29e-01	3.65e-15	4.91e-01	3.64e-15	1.09e+00	3.65e-15	9.76e-01	1.73e-02
482	6.59e-01	3.39e-15	6.27e-01	2.04e-14	2.08e+00	1.48e-13	4.00e-01	4.13e-15	5.29e-01	4.13e-15	3.94e-01	4.10e-15	1.06e+00	4.50e-15	1.02e+00	1.40e-02
483	1.07e+00	1.73e-14	1.24e+00	6.47e-14	6.73e+00	1.26e-13	5.02e-01	2.05e-04	1.15e+00	4.37e-14	5.17e-01	1.78e-05	1.12e+00	7.41e-06	1.02e+00	1.56e-02
484	7.27e-01	6.34e-15	5.30e-01	3.29e-14	2.38e+00	1.83e-13	4.51e-01	4.53e-15	5.37e-01	4.53e-15	5.08e-01	4.52e-15	1.09e+00	4.53e-15	1.02e+00	7.94e-03
485	6.70e-01	3.44e-15	8.06e-01	3.34e-14	4.41e+00	1.36e-13	3.58e-01	3.43e-15	5.30e-01	3.43e-15	3.94e-01	3.35e-15	1.05e+00	2.78e-15	1.02e+00	6.11e-03
486	1.06e+00	2.04e-15	6.80e-01	2.99e-14	3.58e+00	1.77e-13	4.99e-01	2.09e-04	1.13e+00	5.65e-14	5.27e-01	7.66e-06	1.15e+00	5.95e-06	1.02e+00	2.19e-02
487	1.24e+00	2.27e-15	7.56e-01	2.16e-13	2.50e+00	3.63e-14	6.36e-01	3.06e-04	1.19e+00	6.95e-14	6.57e-01	1.16e-05	1.40e+00	7.01e-06	1.26e+00	1.48e-02
488	1.42e+00	2.58e-14	6.23e-01	4.12e-14	5.90e+00	2.86e-13	1.51e+00	1.69e-02	1.19e+00	5.18e-13	3.23e+00	4.64e+00	1.38e+00	4.03e-05	1.19e+00	5.07e-03

489	1.35e+00	8.34e-15	2.53e-01	1.10e-14	1.01e+00	1.00e-13	1.07e+00	4.15e-15	1.20e+00	8.99e-14	1.58e+00	2.50e-05	1.35e+00	3.53e-15	1.26e+00	1.42e-02
490	1.61e+00	1.99e-15	1.43e-01	1.25e-14	3.53e-01	9.80e-15	1.28e+00	1.64e-02	9.41e-01	2.83e-01	3.42e+00	9.65e-01	1.47e+00	5.04e-06	1.23e+00	2.92e-02
491	1.17e+00	2.86e-15	8.73e-01	2.20e-13	3.82e+00	8.39e-13	1.06e+00	3.26e-04	1.21e+00	9.94e-14	2.65e+00	3.29e-01	1.41e+00	1.08e-05	1.26e+00	1.09e-02
492	1.13e+00	4.56e-15	1.52e+00	5.68e-14	8.51e+00	1.43e-13	5.39e-01	1.89e-04	1.19e+00	4.61e-14	6.37e-01	1.85e-05	1.38e+00	5.30e-06	1.18e+00	1.18e-02
493	7.74e-01	1.66e-14	3.44e+00	3.88e-14	2.43e+01	1.95e-13	4.74e-01	4.54e-15	5.62e-01	4.54e-15	4.79e-01	4.61e-15	1.31e+00	3.42e-15	1.17e+00	1.69e-02
494	1.08e+00	3.05e-15	2.15e+00	7.38e-13	2.13e+01	1.90e-13	4.89e-01	2.27e-04	1.21e+00	6.58e-14	5.85e-01	8.88e-06	1.41e+00	1.12e-05	1.18e+00	1.82e-02
495	1.14e+00	1.56e-14	3.60e+00	6.77e-13	1.38e+01	2.29e-13	4.87e-01	5.71e-15	1.19e+00	3.81e-14	6.42e-01	8.75e-06	1.38e+00	1.32e-05	1.22e+00	5.17e-03
496	1.21e+00	6.27e-15	7.97e-01	1.44e-13	7.20e+00	1.76e-13	5.56e-01	2.30e-04	1.19e+00	3.71e-14	6.28e-01	1.69e-05	1.29e+00	1.03e-05	1.18e+00	1.77e-02
497	1.13e+00	2.07e-15	1.99e+00	3.46e-14	1.28e+01	1.97e-13	5.20e-01	2.10e-04	1.21e+00	5.21e-14	5.77e-01	6.41e-06	1.38e+00	3.05e-15	1.22e+00	6.16e-03
498	1.12e+00	1.86e-15	1.32e+00	2.35e-14	8.00e+00	1.93e-13	5.49e-01	1.94e-04	1.19e+00	4.33e-14	6.32e-01	1.14e-05	1.38e+00	1.57e-05	1.18e+00	7.50e-03
499	1.86e+00	1.17e-14	2.43e-01	2.08e-13	5.73e-01	5.68e-14	1.44e+00	4.22e-02	1.25e+00	1.94e-12	1.06e+00	1.93e-05	1.51e+00	6.62e-06	1.32e+00	3.67e-02
500	2.28e+00	9.58e-15	1.43e-01	3.60e-15	3.60e-01	1.42e-14	1.55e+00	1.22e-01	1.07e+00	3.59e-08	9.19e-01	3.94e-05	1.57e+00	3.03e-05	1.36e+00	2.39e-02
501	1.63e+00	1.34e-14	9.23e-01	3.08e-13	6.20e+00	1.38e-13	1.89e+00	2.04e-01	1.24e+00	4.56e-13	3.70e+00	3.38e+00	1.45e+00	4.87e-15	1.27e+00	3.18e-02
502	1.94e+00	6.68e-15	5.30e-01	1.49e-13	2.24e+00	1.12e-14	1.56e+00	5.76e-02	1.27e+00	1.99e-13	1.06e+00	3.85e-05	1.54e+00	3.78e-06	1.36e+00	9.53e-03
503	1.56e+00	2.24e-15	4.13e-01	1.46e-13	3.91e+00	4.24e-13	1.49e+00	2.23e-01	1.10e+00	5.70e-01	1.15e+00	3.41e-05	1.57e+00	2.61e-05	1.40e+00	1.47e-02
504	1.22e+00	2.79e-15	3.13e+00	4.87e-14	2.69e+01	6.69e-13	5.50e-01	4.75e-15	1.25e+00	3.14e-14	7.41e-01	1.07e-05	1.51e+00	1.20e-05	1.32e+00	1.52e-02
505	1.17e+00	1.57e-14	4.65e+00	1.86e-13	5.60e+01	3.78e-13	5.12e-01	6.31e-15	1.26e+00	3.64e-14	6.96e-01	6.38e-06	1.45e+00	6.23e-15	1.32e+00	2.55e-02
506	8.59e-01	2.79e-15	3.43e+00	1.09e-13	1.63e+01	1.36e-13	5.21e-01	3.12e-15	5.99e-01	3.12e-15	5.72e-01	3.08e-15	1.48e+00	3.12e-15	1.32e+00	1.05e-02
507	1.25e+00	1.49e-14	5.68e+00	3.51e-14	5.42e+01	5.32e-14	6.20e-01	1.47e-04	1.26e+00	3.80e-14	7.44e-01	8.09e-06	1.51e+00	9.77e-06	1.27e+00	3.85e-02
508	1.43e+00	5.82e-15	2.30e+00	1.99e-13	1.43e+01	1.26e-13	6.34e-01	2.39e-04	1.26e+00	5.35e-14	7.23e-01	1.68e-05	1.45e+00	4.68e-15	1.32e+00	1.22e-02
509	1.20e+00	2.28e-15	2.85e+00	4.90e-14	3.88e+01	2.10e-13	5.86e-01	2.67e-04	1.27e+00	7.23e-14	7.52e-01	1.17e-05	1.57e+00	1.91e-05	1.32e+00	2.53e-02
510	1.25e+00	3.66e-15	2.14e+00	1.36e-13	1.24e+01	4.81e-13	6.09e-01	2.49e-04	1.25e+00	4.57e-14	7.43e-01	2.93e-03	1.51e+00	3.85e-06	1.27e+00	2.44e-02
511	2.83e+00	8.12e-15	1.53e+00	1.92e-13	5.73e+00	2.43e-13	1.87e+00	7.50e-04	1.33e+00	6.00e-10	1.42e+00	5.41e-05	2.07e+00	1.94e-05	1.72e+00	2.78e-02
512	1.95e+00	1.63e-05	6.67e+00	9.80e-13	3.80e+01	9.80e-13	2.26e+00	4.70e-01	1.62e+00	1.97e-13	4.21e+00	1.05e+02	2.15e+00	5.11e-05	1.89e+00	1.14e-02
513	1.51e+00	2.28e-10	6.00e-02	1.40e-15	5.65e-02	8.00e-16	1.81e+00	2.74e-01	1.37e+00	8.46e-11	3.25e+00	2.82e+01	2.11e+00	3.43e-06	1.89e+00	7.90e-03
514	1.81e+00	2.92e-06	7.83e+00	2.78e-12	4.22e+01	8.23e-14	2.08e+00	1.49e-01	1.62e+00	5.62e-14	4.01e+00	1.40e+02	2.20e+00	8.59e-15	2.02e+00	1.01e-02
515	1.14e+00	3.86e-15	6.43e-01	4.71e-14	1.17e+00	2.51e-14	6.21e-01	1.34e-14	8.94e-01	1.34e-14	6.84e-01	1.34e-14	1.94e+00	1.34e-14	1.88e+00	4.19e-03
516	1.79e+00	5.22e-15	9.72e+00	1.10e-12	6.95e+01	5.59e-13	7.50e-01	1.80e-04	1.60e+00	2.42e-14	8.73e-01	8.64e-06	2.20e+00	2.19e-05	1.96e+00	7.30e-03
517	1.14e+00	3.59e-15	1.20e+01	1.08e-12	7.60e+01	1.60e-13	6.22e-01	1.03e-14	8.92e-01	1.03e-14	6.19e-01	8.36e-15	1.94e+00	8.81e-15	1.88e+00	3.87e-03
518	1.73e+00	4.16e-15	9.53e+00	7.43e-13	5.67e+01	2.50e-12	6.53e-01	1.60e-04	1.61e+00	1.55e-14	8.12e-01	1.21e-05	2.11e+00	4.31e-06	1.89e+00	7.42e-03
519	1.55e+00	5.57e-15	9.00e+00	1.59e-12	6.59e+01	1.81e-12	6.24e-01	6.41e-15	8.94e-01	6.41e-15	7.91e-01	1.89e-03	2.05e+00	6.41e-15	1.89e+00	1.01e-02
520	1.78e+00	3.28e-15	1.08e+01	6.58e-13	8.99e+01	6.70e-13	7.56e-01	2.10e-04	1.61e+00	1.95e-14	8.50e-01	9.29e-06	2.05e+00	6.25e-06	1.89e+00	3.98e-03
521	1.76e+00	7.42e-15	5.10e+00	8.99e-13	4.65e+01	1.26e-12	7.44e-01	1.69e-04	1.60e+00	2.71e-14	8.60e-01	2.59e-03	2.16e+00	2.51e-05	1.89e+00	7.02e-03
522	1.16e+00	3.75e-15	1.18e+01	7.09e-13	7.12e+01	1.27e-13	5.57e-01	5.56e-15	8.92e-01	6.57e-15	6.29e-01	6.78e-15	2.00e+00	6.80e-15	1.89e+00	8.04e-03
523	1.80e+00	4.42e-15	9.20e+00	7.89e-13	7.01e+01	1.60e-13	7.62e-01	1.86e-04	1.61e+00	2.40e-14	9.57e-01	5.07e-03	2.24e+00	1.19e-05	2.02e+00	4.12e-03
524	2.26e+00	3.73e-15	9.40e+00	6.51e-12	5.73e+01	8.54e-14	1.21e+00	4.51e-04	1.69e+00	2.75e-14	1.18e+00	1.53e-04	2.56e+00	6.58e-06	2.26e+00	1.15e-02
525	2.37e+00	3.63e-14	1.24e+01	1.13e-12	5.28e+01	9.72e-13	2.58e+00	4.35e-02	1.71e+00	3.57e-13	5.11e+00	8.94e+00	2.60e+00	2.52e-05	2.32e+00	8.27e-03
526	2.28e+00	1.13e-14	1.71e+00	9.92e-14	5.74e+00	1.65e-13	1.73e+00	2.59e-14	1.69e+00	5.97e-14	4.99e+00	3.91e+00	2.60e+00	4.06e-05	2.32e+00	1.04e-02
527	2.98e+00	4.77e-15	7.60e-01	2.40e-14	3.82e+00	1.01e-13	2.38e+00	2.02e-01	1.62e+00	7.11e-01	4.20e+00	2.30e+01	2.51e+00	1.16e-05	2.25e+00	1.13e-02
528	1.97e+00	6.97e-15	1.61e+01	2.22e-12	6.94e+01	2.63e-12	2.23e+00	1.75e-03	1.69e+00	4.18e-14	5.05e+00	1.36e+01	2.46e+00	8.62e-15	2.19e+00	3.68e-02
529	1.90e+00	5.60e-15	1.72e+01	9.67e-13	9.73e+01	7.53e-13	8.60e-01	2.59e-04	1.68e+00	2.55e-14	1.07e+00	1.65e-05	2.50e+00	5.66e-06	2.19e+00	7.07e-03
530	1.84e+00	3.91e-15	2.83e+01	8.57e-13	1.50e+02	1.18e-13	7.58e-01	1.88e-04	1.68e+00	1.71e-14	9.66e-01	3.44e-03	2.60e+00	3.17e-06	2.11e+00	3.45e-02
531	1.86e+00	3.95e-15	2.12e+01	1.12e-12	9.25e+01	2.01e-13	6.88e-01	5.10e-15	1.68e+00	1.40e-14	9.85e-01	6.94e-06	2.55e+00	6.36e-06	2.25e+00	2.10e-02
532	1.94e+00	4.28e-15	2.79e+01	1.09e-12	1.41e+02	1.06e-12	8.52e-01	2.56e-04	1.68e+00	2.79e-14	1.07e+00	3.33e-03	2.55e+00	1.02e-05	2.26e+00	1.27e-02
533	2.03e+00	6.92e-15	1.36e+01	9.91e-13	7.25e+01	1.37e-12	8.53e-01	1.97e-04	1.68e+00	2.48e-14	1.04e+00	1.82e-03	2.51e+00	6.71e-06	2.11e+00	2.86e-02
534	1.29e+00	4.80e-15	1.42e+01	1.02e-12	1.03e+02	2.66e-13	6.86e-01	5.87e-15	1.69e+00	2.40e-14	1.04e+00	1.06e-05	2.46e+00	7.31e-15	2.26e+00	9.38e-03
535	1.94e+00	1.18e-05	1.75e+01	9.10e-13	9.91e+01	8.18e-13	8.77e-01	1.49e-04	1.69e+00	2.14e-14	1.11e+00	3.54e-03	2.64e+00	5.19e-06	2.26e+00	7.67e-03
536	2.95e+00	2.68e-05	2.95e+00	3.21e-13	1.21e+01	3.09e-14	2.60e+00	3.83e-03	1.90e+00	1.68e-13	5.29e+00	2.61e+00	3.01e+00	6.41e-05	2.58e+00	1.72e-02
537	3.70e+00	2.82e-10	8.33e-01	2.94e-14	1.47e+00	7.79e-14	2.25e+00	7.68e-01	1.60e+00	3.26e-11	1.66e+00	1.60e-05	2.92e+00	5.26e-05	2.44e+00	5.39e-02
538	2.63e+00	3.62e-14	1.62e+01	7.62e-13	8.71e+01	8.83e-13	2.63e+00	5.77e-01	1.87e+00	3.23e-13	5.50e+00	3.77e+00	2.92e+00	2.19e-05	2.52e+00	1.02e-02
539	3.18e+00	2.43e-10	1.52e+01	1.22e-10	4.21e+01	9.57e-14	2.55e+00	4.74e-01	1.73e+00	3.78e-06	5.55e+00	5.10e-01	3.05e+00	5.09e-05	2.58e+00	3.97e-02
540	2.76e+00	7.29e-15	4.70e+00	9.85e-14	3.47e+01	5.68e-14	2.52e+00	6.74e-01	1.71e+00	1.03e-12	4.91e+00	3.80e-01	2.93e+00	3.08e-05	2.45e+00	1.53e-02
541	2.04e+00	4.71e-15	2.69e+01	1.11e-12	1.27e+02	7.37e-13	9.55e-01	2.77e-04	1.87e+00	3.22e-14	1.26e+00	1.87e-05	2.88e+00	1.93e-05	2.37e+00	2.12e-02
542	1.40e+00	4.32e-15	5.34e+01	8.41e-13	2.04e+02	3.08e-13	7.90e-01	8.56e-15	1.01e+00	8.56e-15	9.65e-01	8.58e-15	2.78e+00	8.56e-15	2.44e+00	1.15e-02
543	1.96e+00	4.45e-15	2.36e+01	8.93e-13	1.00e+02	6.59e-13	8.73e-01	2.11e-04	1.84e+00	1.95e-14	1.13e+00	1.81e-05	2.62e+00	6.86e-15	2.37e+00	1.66e-02

544	2.03e+00	3.90e-15	5.07e+01	9.97e-13	2.06e+02	1.18e-13	9.80e-01	1.35e-04	1.85e+00	2.76e-14	1.24e+00	2.07e-05	2.88e+00	1.58e-05	2.45e+00	2.29e-02
545	2.31e+00	8.00e-15	3.72e+01	6.76e-13	1.12e+02	1.08e-12	9.79e-01	9.04e-05	1.87e+00	2.31e-14	1.38e+00	1.06e-03	2.97e+00	1.08e-05	2.52e+00	1.14e-02
546	1.41e+00	4.96e-15	2.45e+01	6.78e-13	1.26e+02	1.87e-13	9.00e-01	1.45e-04	1.85e+00	2.24e-14	1.20e+00	2.40e-04	2.88e+00	7.65e-06	2.45e+00	1.11e-02
547	2.03e+00	4.60e-15	1.87e+01	9.27e-13	1.28e+02	1.21e-12	9.42e-01	2.15e-04	1.85e+00	2.60e-14	1.26e+00	1.02e-05	2.78e+00	3.98e-06	2.37e+00	1.13e-02
548	5.55e+00	7.67e-01	4.86e+01	8.22e-12	8.80e+01	2.81e-13	3.39e+00	1.24e+00	2.11e+00	7.30e-01	2.61e+00	2.05e-05	4.06e+00	2.58e-05	3.23e+00	9.71e-02