

Critical Values for the Durbin-Watson Test: 5% Significance Level

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T=6 to 100, K=2 to 21 (K ≤ T-4)				T=100 to 200, K=2 to 21				T=200,210,220,....,500, K=2 to 21				T=500,550,600,....,2000, K=2 to 21			
K includes intercept				K includes intercept				K includes intercept				K includes intercept			
T	K	dL	dU	T	K	dL	dU	T	K	dL	dU	T	K	dL	dU
6.	2.	0.61018	1.40015	100.	2.	1.65404	1.69439	200.	2.	1.75844	1.77852	500.	2.	1.84914	1.85716
7.	2.	0.69955	1.35635	100.	3.	1.63369	1.71517	200.	3.	1.74833	1.78871	500.	3.	1.84513	1.86119
7.	3.	0.46723	1.89636	100.	4.	1.61306	1.73643	200.	4.	1.73815	1.79901	500.	4.	1.84110	1.86523
8.	2.	0.76290	1.33238	100.	5.	1.59216	1.75818	200.	5.	1.72789	1.80942	500.	5.	1.83705	1.86929
8.	3.	0.55907	1.77711	100.	6.	1.57100	1.78039	200.	6.	1.71755	1.81994	500.	6.	1.83298	1.87337
8.	4.	0.36744	2.28664	100.	7.	1.54958	1.80306	200.	7.	1.70713	1.83057	500.	7.	1.82892	1.87747
9.	2.	0.82428	1.31988	100.	8.	1.52793	1.82619	200.	8.	1.69663	1.84133	500.	8.	1.82482	1.88158
9.	3.	0.62910	1.69926	100.	9.	1.50604	1.84976	200.	9.	1.68607	1.85219	500.	9.	1.82072	1.88572
9.	4.	0.45476	2.12816	100.	10.	1.48394	1.87377	200.	10.	1.67543	1.86316	500.	10.	1.81661	1.88986
9.	5.	0.29571	2.58810	100.	11.	1.46162	1.89820	200.	11.	1.66471	1.87423	500.	11.	1.81247	1.89403
10.	2.	0.87913	1.31971	100.	12.	1.43910	1.92305	200.	12.	1.65394	1.88541	500.	12.	1.80834	1.89821
10.	3.	0.69715	1.64134	100.	13.	1.41639	1.94830	200.	13.	1.64308	1.89671	500.	13.	1.80417	1.90242
10.	4.	0.52534	2.01632	100.	14.	1.39350	1.97394	200.	14.	1.63216	1.90810	500.	14.	1.80001	1.90663
10.	5.	0.37602	2.41365	100.	15.	1.37045	1.99997	200.	15.	1.62117	1.91961	500.	15.	1.79582	1.91087
10.	6.	0.24269	2.82165	100.	16.	1.34724	2.02636	200.	16.	1.61011	1.93122	500.	16.	1.79163	1.91512
11.	2.	0.92733	1.32409	100.	17.	1.32390	2.05313	200.	17.	1.59900	1.94292	500.	17.	1.78742	1.91938
11.	3.	0.75798	1.60439	100.	18.	1.30041	2.08024	200.	18.	1.58781	1.95473	500.	18.	1.78319	1.92368
11.	4.	0.59477	1.92802	100.	19.	1.27680	2.10767	200.	19.	1.57657	1.96665	500.	19.	1.77896	1.92798
11.	5.	0.44406	2.28327	100.	20.	1.25310	2.13544	200.	20.	1.56527	1.97865	500.	20.	1.77471	1.93229
11.	6.	0.31549	2.64456	100.	21.	1.22928	2.16352	200.	21.	1.55390	1.99075	500.	21.	1.77044	1.93663
11.	7.	0.20253	3.00447	101.	2.	1.65582	1.69577	210.	2.	1.76445	1.78358	550.	2.	1.85632	1.86361
12.	2.	0.97076	1.33137	101.	3.	1.63568	1.71634	210.	3.	1.75483	1.79326	550.	3.	1.85267	1.86727
12.	3.	0.81221	1.57935	101.	4.	1.61526	1.73738	210.	4.	1.74513	1.80305	550.	4.	1.84901	1.87094
12.	4.	0.65765	1.86397	101.	5.	1.59457	1.75888	210.	5.	1.73537	1.81295	550.	5.	1.84533	1.87462
12.	5.	0.51198	2.17662	101.	6.	1.57363	1.78086	210.	6.	1.72554	1.82294	550.	6.	1.84165	1.87833
12.	6.	0.37956	2.50609	101.	7.	1.55244	1.80328	210.	7.	1.71563	1.83305	550.	7.	1.83794	1.88204
12.	7.	0.26813	2.83196	101.	8.	1.53100	1.82614	210.	8.	1.70566	1.84325	550.	8.	1.83423	1.88578
12.	8.	0.17144	3.14940	101.	9.	1.50934	1.84945	210.	9.	1.69561	1.85355	550.	9.	1.83051	1.88952
13.	2.	1.00973	1.34040	101.	10.	1.48747	1.87317	210.	10.	1.68550	1.86394	550.	10.	1.82678	1.89327
13.	3.	0.86124	1.56212	101.	11.	1.46538	1.89731	210.	11.	1.67532	1.87445	550.	11.	1.82303	1.89705
13.	4.	0.71465	1.81593	101.	12.	1.44310	1.92186	210.	12.	1.66508	1.88505	550.	12.	1.81928	1.90084
13.	5.	0.57446	2.09428	101.	13.	1.42063	1.94682	210.	13.	1.65478	1.89574	550.	13.	1.81551	1.90464
13.	6.	0.44448	2.38967	101.	14.	1.39799	1.97215	210.	14.	1.64441	1.90653	550.	14.	1.81173	1.90845
13.	7.	0.32775	2.69204	101.	15.	1.37518	1.99787	210.	15.	1.63398	1.91742	550.	15.	1.80794	1.91228
13.	8.	0.23049	2.98506	101.	16.	1.35221	2.02394	210.	16.	1.62348	1.92839	550.	16.	1.80414	1.91613
13.	9.	0.14693	3.26577	101.	17.	1.32911	2.05037	210.	17.	1.61293	1.93947	550.	17.	1.80033	1.91998
14.	2.	1.04495	1.35027	101.	18.	1.30587	2.07715	210.	18.	1.60232	1.95063	550.	18.	1.79651	1.92386
14.	3.	0.90544	1.55066	101.	19.	1.28250	2.10425	210.	19.	1.59165	1.96188	550.	19.	1.79268	1.92774
14.	4.	0.76666	1.77882	101.	20.	1.25903	2.13168	210.	20.	1.58094	1.97323	550.	20.	1.78883	1.93164
14.	5.	0.63206	2.02955	101.	21.	1.23546	2.15941	210.	21.	1.57015	1.98467	550.	21.	1.78497	1.93555
14.	6.	0.50516	2.29593	102.	2.	1.65758	1.69713	220.	2.	1.77003	1.78829	600.	2.	1.86257	1.86925
14.	7.	0.38897	2.57158	102.	3.	1.63764	1.71749	220.	3.	1.76086	1.79753	600.	3.	1.85922	1.87259
14.	8.	0.28559	2.84769	102.	4.	1.61742	1.73831	220.	4.	1.75161	1.80686	600.	4.	1.85587	1.87596
14.	9.	0.20013	3.11121	102.	5.	1.59694	1.75959	220.	5.	1.74229	1.81628	600.	5.	1.85250	1.87934
14.	10.	0.12726	3.36038	102.	6.	1.57621	1.78132	220.	6.	1.73292	1.82581	600.	6.	1.84913	1.88273
15.	2.	1.07697	1.36054	102.	7.	1.55524	1.80349	220.	7.	1.72348	1.83543	600.	7.	1.84574	1.88612

15. 3. 0.94554 1.54318	102. 8. 1.53403 1.82610	220. 8. 1.71398 1.84513	600. 8. 1.84235 1.88954
15. 4. 0.81396 1.75014	102. 9. 1.51260 1.84914	220. 9. 1.70441 1.85492	600. 9. 1.83894 1.89296
15. 5. 0.68519 1.97735	102. 10. 1.49094 1.87259	220. 10. 1.69477 1.86482	600. 10. 1.83552 1.89640
15. 6. 0.56197 2.21981	102. 11. 1.46909 1.89646	220. 11. 1.68509 1.87479	600. 11. 1.83210 1.89984
15. 7. 0.44707 2.47148	102. 12. 1.44704 1.92072	220. 12. 1.67533 1.88486	600. 12. 1.82866 1.90331
15. 8. 0.34290 2.72698	102. 13. 1.42480 1.94538	220. 13. 1.66552 1.89502	600. 13. 1.82522 1.90677
15. 9. 0.25090 2.97866	102. 14. 1.40239 1.97042	220. 14. 1.65566 1.90526	600. 14. 1.82177 1.91026
15. 10. 0.17531 3.21604	102. 15. 1.37982 1.99582	220. 15. 1.64573 1.91559	600. 15. 1.81830 1.91375
15. 11. 0.11127 3.43819	102. 16. 1.35709 2.02159	220. 16. 1.63575 1.92601	600. 16. 1.81483 1.91727
16. 2. 1.10617 1.37092	102. 17. 1.33422 2.04769	220. 17. 1.62571 1.93651	600. 17. 1.81134 1.92078
16. 3. 0.98204 1.53860	102. 18. 1.31122 2.07414	220. 18. 1.61562 1.94710	600. 18. 1.80785 1.92431
16. 4. 0.85718 1.72773	102. 19. 1.28809 2.10092	220. 19. 1.60547 1.95776	600. 19. 1.80435 1.92786
16. 5. 0.73400 1.93506	102. 20. 1.26486 2.12800	220. 20. 1.59527 1.96852	600. 20. 1.80085 1.93141
16. 6. 0.61495 2.15672	102. 21. 1.24154 2.15540	220. 21. 1.58503 1.97935	600. 21. 1.79733 1.93497
16. 7. 0.50223 2.38813	103. 2. 1.65932 1.69848	230. 2. 1.77525 1.79270	650. 2. 1.86807 1.87423
16. 8. 0.39805 2.62409	103. 3. 1.63956 1.71863	230. 3. 1.76647 1.80154	650. 3. 1.86498 1.87733
16. 9. 0.30433 2.86009	103. 4. 1.61955 1.73924	230. 4. 1.75763 1.81045	650. 4. 1.86189 1.88043
16. 10. 0.22206 3.08954	103. 5. 1.59928 1.76029	230. 5. 1.74873 1.81945	650. 5. 1.85878 1.88354
16. 11. 0.15479 3.30391	103. 6. 1.57875 1.78179	230. 6. 1.73977 1.82854	650. 6. 1.85567 1.88667
16. 12. 0.09809 3.50287	103. 7. 1.55799 1.80372	230. 7. 1.73075 1.83771	650. 7. 1.85254 1.88980
17. 2. 1.13295 1.38122	103. 8. 1.53700 1.82608	230. 8. 1.72168 1.84697	650. 8. 1.84942 1.89295
17. 3. 1.01543 1.53614	103. 9. 1.51578 1.84886	230. 9. 1.71254 1.85632	650. 9. 1.84627 1.89610
17. 4. 0.89675 1.71009	103. 10. 1.49435 1.87205	230. 10. 1.70335 1.86574	650. 10. 1.84313 1.89926
17. 5. 0.77898 1.90047	103. 11. 1.47272 1.89563	230. 11. 1.69410 1.87524	650. 11. 1.83997 1.90244
17. 6. 0.66414 2.10414	103. 12. 1.45090 1.91962	230. 12. 1.68479 1.88483	650. 12. 1.83681 1.90562
17. 7. 0.55423 2.31755	103. 13. 1.42889 1.94398	230. 13. 1.67544 1.89450	650. 13. 1.83364 1.90882
17. 8. 0.45107 2.53660	103. 14. 1.40671 1.96873	230. 14. 1.66602 1.90424	650. 14. 1.83045 1.91202
17. 9. 0.35639 2.75688	103. 15. 1.38437 1.99383	230. 15. 1.65655 1.91407	650. 15. 1.82727 1.91523
17. 10. 0.27177 2.97455	103. 16. 1.36188 2.01929	230. 16. 1.64703 1.92398	650. 16. 1.82408 1.91846
17. 11. 0.19784 3.18400	103. 17. 1.33924 2.04509	230. 17. 1.63746 1.93397	650. 17. 1.82087 1.92169
17. 12. 0.13763 3.37817	103. 18. 1.31648 2.07122	230. 18. 1.62784 1.94403	650. 18. 1.81766 1.92494
17. 13. 0.08711 3.55716	103. 19. 1.29359 2.09767	230. 19. 1.61816 1.95417	650. 19. 1.81444 1.92819
18. 2. 1.15759 1.39133	103. 20. 1.27059 2.12443	230. 20. 1.60844 1.96439	650. 20. 1.81120 1.93145
18. 3. 1.04607 1.53525	103. 21. 1.24750 2.15149	230. 21. 1.59868 1.97467	650. 21. 1.80797 1.93473
18. 4. 0.93310 1.69614	104. 2. 1.66103 1.69981	240. 2. 1.78012 1.79685	700. 2. 1.87297 1.87869
18. 5. 0.82044 1.87189	104. 3. 1.64147 1.71976	240. 3. 1.77171 1.80530	700. 3. 1.87010 1.88156
18. 6. 0.70984 2.06000	104. 4. 1.62165 1.74015	240. 4. 1.76325 1.81384	700. 4. 1.86722 1.88443
18. 7. 0.60301 2.25750	104. 5. 1.60157 1.76098	240. 5. 1.75473 1.82246	700. 5. 1.86435 1.88732
18. 8. 0.50158 2.46122	104. 6. 1.58126 1.78226	240. 6. 1.74616 1.83115	700. 6. 1.86145 1.89022
18. 9. 0.40702 2.66753	104. 7. 1.56070 1.80395	240. 7. 1.73752 1.83992	700. 7. 1.85856 1.89313
18. 10. 0.32076 2.87268	104. 8. 1.53991 1.82607	240. 8. 1.72883 1.84876	700. 8. 1.85566 1.89604
18. 11. 0.24405 3.07345	104. 9. 1.51892 1.84859	240. 9. 1.72009 1.85769	700. 9. 1.85274 1.89897
18. 12. 0.17732 3.26497	104. 10. 1.49770 1.87152	240. 10. 1.71129 1.86669	700. 10. 1.84982 1.90190
18. 13. 0.12315 3.44141	104. 11. 1.47629 1.89484	240. 11. 1.70245 1.87576	700. 11. 1.84690 1.90484
18. 14. 0.07786 3.60315	104. 12. 1.45469 1.91855	240. 12. 1.69356 1.88492	700. 12. 1.84397 1.90779
19. 2. 1.18037 1.40118	104. 13. 1.43291 1.94263	240. 13. 1.68460 1.89415	700. 13. 1.84102 1.91074
19. 3. 1.07430 1.53553	104. 14. 1.41096 1.96709	240. 14. 1.67561 1.90345	700. 14. 1.83808 1.91371
19. 4. 0.96659 1.68509	104. 15. 1.38885 1.99190	240. 15. 1.66656 1.91282	700. 15. 1.83513 1.91669
19. 5. 0.85876 1.84815	104. 16. 1.36658 2.01706	240. 16. 1.65746 1.92226	700. 16. 1.83217 1.91967
19. 6. 0.75231 2.02262	104. 17. 1.34417 2.04255	240. 17. 1.64832 1.93178	700. 17. 1.82920 1.92267
19. 7. 0.64870 2.20614	104. 18. 1.32164 2.06836	240. 18. 1.63913 1.94137	700. 18. 1.82622 1.92567
19. 8. 0.54938 2.39602	104. 19. 1.29899 2.09450	240. 19. 1.62988 1.95102	700. 19. 1.82324 1.92868
19. 9. 0.45571 2.58939	104. 20. 1.27622 2.12095	240. 20. 1.62060 1.96075	700. 20. 1.82025 1.93169
19. 10. 0.36889 2.78312	104. 21. 1.25335 2.14768	240. 21. 1.61128 1.97055	700. 21. 1.81726 1.93473
19. 11. 0.29008 2.97399	105. 2. 1.66271 1.70111	250. 2. 1.78469 1.80075	750. 2. 1.87736 1.88270
19. 12. 0.22029 3.15930	105. 3. 1.64334 1.72087	250. 3. 1.77662 1.80887	750. 3. 1.87468 1.88537
19. 13. 0.15979 3.33481	105. 4. 1.62371 1.74106	250. 4. 1.76851 1.81706	750. 4. 1.87200 1.88806
19. 14. 0.11082 3.49566	105. 5. 1.60383 1.76168	250. 5. 1.76033 1.82531	750. 5. 1.86931 1.89076

19. 15. 0.07001 3.64241	105. 6. 1.58372 1.78273	250. 6. 1.75211 1.83364	750. 6. 1.86662 1.89346
20. 2. 1.20149 1.41073	105. 7. 1.56336 1.80419	250. 7. 1.74383 1.84204	750. 7. 1.86391 1.89616
20. 3. 1.10040 1.53668	105. 8. 1.54279 1.82606	250. 8. 1.73550 1.85051	750. 8. 1.86121 1.89888
20. 4. 0.99755 1.67634	105. 9. 1.52200 1.84834	250. 9. 1.72713 1.85906	750. 9. 1.85850 1.90161
20. 5. 0.89425 1.82828	105. 10. 1.50101 1.87101	250. 10. 1.71870 1.86768	750. 10. 1.85578 1.90434
20. 6. 0.79179 1.99079	105. 11. 1.47981 1.89407	250. 11. 1.71022 1.87636	750. 11. 1.85305 1.90708
20. 7. 0.69146 2.16189	105. 12. 1.45843 1.91751	250. 12. 1.70170 1.88511	750. 12. 1.85031 1.90982
20. 8. 0.59454 2.33937	105. 13. 1.43687 1.94132	250. 13. 1.69312 1.89393	750. 13. 1.84758 1.91258
20. 9. 0.50220 2.52082	105. 14. 1.41514 1.96550	250. 14. 1.68451 1.90282	750. 14. 1.84483 1.91534
20. 10. 0.41559 2.70374	105. 15. 1.39325 1.99001	250. 15. 1.67584 1.91178	750. 15. 1.84208 1.91811
20. 11. 0.33571 2.88535	105. 16. 1.37120 2.01488	250. 16. 1.66714 1.92080	750. 16. 1.83933 1.92088
20. 12. 0.26349 3.06292	105. 17. 1.34903 2.04007	250. 17. 1.65838 1.92989	750. 17. 1.83656 1.92367
20. 13. 0.19978 3.23417	105. 18. 1.32672 2.06559	250. 18. 1.64959 1.93904	750. 18. 1.83378 1.92647
20. 14. 0.14472 3.39540	105. 19. 1.30428 2.09141	250. 19. 1.64074 1.94827	750. 19. 1.83102 1.92927
20. 15. 0.10024 3.54250	105. 20. 1.28174 2.11754	250. 20. 1.63186 1.95755	750. 20. 1.82823 1.93207
20. 16. 0.06327 3.67619	105. 21. 1.25910 2.14396	250. 21. 1.62293 1.96690	750. 21. 1.82545 1.93489
21. 2. 1.22115 1.41997	106. 2. 1.66436 1.70241	260. 2. 1.78900 1.80444	800. 2. 1.88132 1.88633
21. 3. 1.12461 1.53849	106. 3. 1.64518 1.72197	260. 3. 1.78125 1.81223	800. 3. 1.87882 1.88884
21. 4. 1.02624 1.66942	106. 4. 1.62575 1.74195	260. 4. 1.77344 1.82010	800. 4. 1.87630 1.89135
21. 5. 0.92719 1.81157	106. 5. 1.60606 1.76236	260. 5. 1.76558 1.82803	800. 5. 1.87379 1.89388
21. 6. 0.82856 1.96350	106. 6. 1.58613 1.78319	260. 6. 1.75768 1.83603	800. 6. 1.87126 1.89641
21. 7. 0.73149 2.12355	106. 7. 1.56599 1.80443	260. 7. 1.74973 1.84409	800. 7. 1.86873 1.89894
21. 8. 0.63710 2.28988	106. 8. 1.54562 1.82607	260. 8. 1.74173 1.85222	800. 8. 1.86619 1.90149
21. 9. 0.54645 2.46051	106. 9. 1.52503 1.84810	260. 9. 1.73369 1.86041	800. 9. 1.86365 1.90404
21. 10. 0.46055 2.63324	106. 10. 1.50425 1.87053	260. 10. 1.72561 1.86867	800. 10. 1.86110 1.90660
21. 11. 0.38035 2.80588	106. 11. 1.48326 1.89333	260. 11. 1.71747 1.87699	800. 11. 1.85855 1.90916
21. 12. 0.30669 2.97600	106. 12. 1.46210 1.91651	260. 12. 1.70928 1.88538	800. 12. 1.85599 1.91174
21. 13. 0.24033 3.14129	106. 13. 1.44075 1.94005	260. 13. 1.70107 1.89383	800. 13. 1.85343 1.91431
21. 14. 0.18198 3.29979	106. 14. 1.41924 1.96395	260. 14. 1.69280 1.90234	800. 14. 1.85086 1.91690
21. 15. 0.13166 3.44827	106. 15. 1.39756 1.98818	260. 15. 1.68449 1.91092	800. 15. 1.84829 1.91948
21. 16. 0.09111 3.58322	106. 16. 1.37575 2.01275	260. 16. 1.67613 1.91956	800. 16. 1.84571 1.92208
21. 17. 0.05747 3.70544	106. 17. 1.35378 2.03766	260. 17. 1.66774 1.92826	800. 17. 1.84312 1.92468
22. 2. 1.23949 1.42888	106. 18. 1.33169 2.06288	260. 18. 1.65930 1.93702	800. 18. 1.84053 1.92730
22. 3. 1.14713 1.54079	106. 19. 1.30949 2.08841	260. 19. 1.65082 1.94583	800. 19. 1.83794 1.92991
22. 4. 1.05292 1.66398	106. 20. 1.28717 2.11423	260. 20. 1.64231 1.95471	800. 20. 1.83533 1.93253
22. 5. 0.95783 1.79744	106. 21. 1.26475 2.14033	260. 21. 1.63375 1.96366	800. 21. 1.83273 1.93516
22. 6. 0.86285 1.93996	107. 2. 1.66600 1.70369	270. 2. 1.79306 1.80792	850. 2. 1.88494 1.88964
22. 7. 0.76898 2.09015	107. 3. 1.64699 1.72305	270. 3. 1.78560 1.81543	850. 3. 1.88258 1.89201
22. 8. 0.67719 2.24646	107. 4. 1.62774 1.74284	270. 4. 1.77808 1.82300	850. 4. 1.88021 1.89437
22. 9. 0.58843 2.40718	107. 5. 1.60825 1.76305	270. 5. 1.77052 1.83062	850. 5. 1.87784 1.89675
22. 10. 0.50363 2.57051	107. 6. 1.58852 1.78365	270. 6. 1.76292 1.83831	850. 6. 1.87546 1.89912
22. 11. 0.42363 2.73452	107. 7. 1.56856 1.80467	270. 7. 1.75528 1.84606	850. 7. 1.87308 1.90151
22. 12. 0.34926 2.89726	107. 8. 1.54840 1.82608	270. 8. 1.74758 1.85387	850. 8. 1.87070 1.90391
22. 13. 0.28119 3.05662	107. 9. 1.52801 1.84788	270. 9. 1.73984 1.86174	850. 9. 1.86831 1.90630
22. 14. 0.22003 3.21061	107. 10. 1.50744 1.87006	270. 10. 1.73207 1.86967	850. 10. 1.86591 1.90871
22. 15. 0.16642 3.35756	107. 11. 1.48666 1.89262	270. 11. 1.72425 1.87767	850. 11. 1.86351 1.91112
22. 16. 0.12028 3.49463	107. 12. 1.46570 1.91553	270. 12. 1.71638 1.88572	850. 12. 1.86111 1.91353
22. 17. 0.08315 3.61880	107. 13. 1.44457 1.93881	270. 13. 1.70849 1.89382	850. 13. 1.85870 1.91595
22. 18. 0.05242 3.73092	107. 14. 1.42326 1.96244	270. 14. 1.70054 1.90200	850. 14. 1.85629 1.91838
23. 2. 1.25665 1.43747	107. 15. 1.40181 1.98640	270. 15. 1.69256 1.91023	850. 15. 1.85387 1.92081
23. 3. 1.16815 1.54346	107. 16. 1.38021 2.01070	270. 16. 1.68453 1.91851	850. 16. 1.85144 1.92325
23. 4. 1.07778 1.65974	107. 17. 1.35847 2.03531	270. 17. 1.67647 1.92684	850. 17. 1.84901 1.92570
23. 5. 0.98639 1.78546	107. 18. 1.33659 2.06024	270. 18. 1.66836 1.93524	850. 18. 1.84657 1.92814
23. 6. 0.89488 1.91958	107. 19. 1.31460 2.08547	270. 19. 1.66022 1.94369	850. 19. 1.84414 1.93060
23. 7. 0.80410 2.06093	107. 20. 1.29251 2.11099	270. 20. 1.65204 1.95220	850. 20. 1.84170 1.93306
23. 8. 0.71493 2.20816	107. 21. 1.27030 2.13679	270. 21. 1.64382 1.96077	850. 21. 1.83925 1.93553
23. 9. 0.62821 2.35988	108. 2. 1.66761 1.70495	280. 2. 1.79690 1.81123	900. 2. 1.88823 1.89268
23. 10. 0.54478 2.51449	108. 3. 1.64878 1.72413	280. 3. 1.78970 1.81846	900. 3. 1.88601 1.89491

23. 11. 0.46541 2.67038	108. 4. 1.62971 1.74372	280. 4. 1.78245 1.82575	900. 4. 1.88377 1.89714
23. 12. 0.39083 2.82585	108. 5. 1.61041 1.76372	280. 5. 1.77517 1.83309	900. 5. 1.88153 1.89939
23. 13. 0.32172 2.97919	108. 6. 1.59087 1.78412	280. 6. 1.76784 1.84051	900. 6. 1.87929 1.90163
23. 14. 0.25866 3.12852	108. 7. 1.57110 1.80492	280. 7. 1.76048 1.84797	900. 7. 1.87705 1.90389
23. 15. 0.20216 3.27216	108. 8. 1.55113 1.82611	280. 8. 1.75307 1.85549	900. 8. 1.87480 1.90614
23. 16. 0.15274 3.40865	108. 9. 1.53095 1.84767	280. 9. 1.74563 1.86305	900. 9. 1.87254 1.90840
23. 17. 0.11029 3.53549	108. 10. 1.51057 1.86962	280. 10. 1.73814 1.87068	900. 10. 1.87028 1.91067
23. 18. 0.07619 3.65007	108. 11. 1.49000 1.89192	280. 11. 1.73061 1.87837	900. 11. 1.86802 1.91294
23. 19. 0.04801 3.75327	108. 12. 1.46925 1.91459	280. 12. 1.72304 1.88611	900. 12. 1.86575 1.91522
24. 2. 1.27276 1.44575	108. 13. 1.44832 1.93761	280. 13. 1.71543 1.89390	900. 13. 1.86347 1.91750
24. 3. 1.18781 1.54639	108. 14. 1.42723 1.96097	280. 14. 1.70778 1.90175	900. 14. 1.86120 1.91979
24. 4. 1.10100 1.65649	108. 15. 1.40598 1.98466	280. 15. 1.70011 1.90965	900. 15. 1.85892 1.92209
24. 5. 1.01309 1.77526	108. 16. 1.38460 2.00868	280. 16. 1.69238 1.91761	900. 16. 1.85663 1.92438
24. 6. 0.92486 1.90184	108. 17. 1.36307 2.03302	280. 17. 1.68463 1.92562	900. 17. 1.85434 1.92668
24. 7. 0.83706 2.03522	108. 18. 1.34141 2.05766	280. 18. 1.67682 1.93368	900. 18. 1.85204 1.92900
24. 8. 0.75048 2.17427	108. 19. 1.31963 2.08260	280. 19. 1.66900 1.94180	900. 19. 1.84974 1.93131
24. 9. 0.66589 2.31774	108. 20. 1.29775 2.10783	280. 20. 1.66113 1.94996	900. 20. 1.84744 1.93363
24. 10. 0.58400 2.46431	108. 21. 1.27576 2.13334	280. 21. 1.65323 1.95819	900. 21. 1.84513 1.93596
24. 11. 0.50554 2.61260	109. 2. 1.66920 1.70619	290. 2. 1.80053 1.81436	950. 2. 1.89127 1.89548
24. 12. 0.43119 2.76111	109. 3. 1.65054 1.72519	290. 3. 1.79358 1.82134	950. 3. 1.88915 1.89760
24. 13. 0.36156 2.90835	109. 4. 1.63165 1.74459	290. 4. 1.78660 1.82838	950. 4. 1.88704 1.89971
24. 14. 0.29723 3.05282	109. 5. 1.61253 1.76439	290. 5. 1.77956 1.83546	950. 5. 1.88492 1.90184
24. 15. 0.23869 3.19285	109. 6. 1.59317 1.78459	290. 6. 1.77250 1.84261	950. 6. 1.88279 1.90396
24. 16. 0.18635 3.32700	109. 7. 1.57361 1.80518	290. 7. 1.76539 1.84980	950. 7. 1.88067 1.90609
24. 17. 0.14066 3.45402	109. 8. 1.55382 1.82614	290. 8. 1.75825 1.85704	950. 8. 1.87854 1.90823
24. 18. 0.10150 3.57167	109. 9. 1.53384 1.84749	290. 9. 1.75106 1.86434	950. 9. 1.87640 1.91036
24. 19. 0.07006 3.67769	109. 10. 1.51365 1.86919	290. 10. 1.74384 1.87169	950. 10. 1.87426 1.91251
24. 20. 0.04413 3.77297	109. 11. 1.49329 1.89126	290. 11. 1.73659 1.87909	950. 11. 1.87212 1.91466
25. 2. 1.28791 1.45371	109. 12. 1.47274 1.91368	290. 12. 1.72929 1.88655	950. 12. 1.86998 1.91682
25. 3. 1.20625 1.54954	109. 13. 1.45201 1.93644	290. 13. 1.72196 1.89405	950. 13. 1.86782 1.91897
25. 4. 1.12276 1.65403	109. 14. 1.43113 1.95954	290. 14. 1.71459 1.90161	950. 14. 1.86567 1.92115
25. 5. 1.03811 1.76655	109. 15. 1.41009 1.98298	290. 15. 1.70718 1.90921	950. 15. 1.86351 1.92331
25. 6. 0.95297 1.88634	109. 16. 1.38891 2.00672	290. 16. 1.69975 1.91686	950. 16. 1.86135 1.92548
25. 7. 0.86803 2.01252	109. 17. 1.36758 2.03079	290. 17. 1.69227 1.92456	950. 17. 1.85919 1.92766
25. 8. 0.78400 2.14412	109. 18. 1.34614 2.05515	290. 18. 1.68477 1.93232	950. 18. 1.85701 1.92984
25. 9. 0.70154 2.28007	109. 19. 1.32457 2.07981	290. 19. 1.67722 1.94012	950. 19. 1.85483 1.93203
25. 10. 0.62133 2.41924	109. 20. 1.30290 2.10475	290. 20. 1.66964 1.94798	950. 20. 1.85266 1.93423
25. 11. 0.54401 2.56041	109. 21. 1.28112 2.12997	290. 21. 1.66204 1.95587	950. 21. 1.85048 1.93642
25. 12. 0.47019 2.70229	110. 2. 1.67076 1.70741	300. 2. 1.80398 1.81735	1000. 2. 1.89407 1.89807
25. 13. 0.40046 2.84360	110. 3. 1.65228 1.72623	300. 3. 1.79726 1.82410	1000. 3. 1.89206 1.90008
25. 14. 0.33536 2.98300	110. 4. 1.63357 1.74545	300. 4. 1.79051 1.83088	1000. 4. 1.89005 1.90209
25. 15. 0.27536 3.11913	110. 5. 1.61462 1.76506	300. 5. 1.78371 1.83773	1000. 5. 1.88804 1.90410
25. 16. 0.22090 3.25058	110. 6. 1.59545 1.78506	300. 6. 1.77689 1.84463	1000. 6. 1.88602 1.90612
25. 17. 0.17231 3.37604	110. 7. 1.57606 1.80543	300. 7. 1.77003 1.85157	1000. 7. 1.88400 1.90815
25. 18. 0.12995 3.49447	110. 8. 1.55647 1.82618	300. 8. 1.76313 1.85856	1000. 8. 1.88198 1.91018
25. 19. 0.09371 3.60384	110. 9. 1.53667 1.84730	300. 9. 1.75619 1.86560	1000. 9. 1.87995 1.91221
25. 20. 0.06465 3.70220	110. 10. 1.51668 1.86878	300. 10. 1.74921 1.87269	1000. 10. 1.87792 1.91424
25. 21. 0.04070 3.79041	110. 11. 1.49651 1.89061	300. 11. 1.74222 1.87983	1000. 11. 1.87589 1.91628
26. 2. 1.30219 1.46139	110. 12. 1.47617 1.91279	300. 12. 1.73518 1.88702	1000. 12. 1.87386 1.91832
26. 3. 1.22358 1.55281	110. 13. 1.45564 1.93531	300. 13. 1.72810 1.89425	1000. 13. 1.87181 1.92037
26. 4. 1.14319 1.65225	110. 14. 1.43496 1.95815	300. 14. 1.72099 1.90152	1000. 14. 1.86976 1.92243
26. 5. 1.06158 1.75911	110. 15. 1.41412 1.98133	300. 15. 1.71385 1.90885	1000. 15. 1.86772 1.92448
26. 6. 0.97937 1.87274	110. 16. 1.39315 2.00481	300. 16. 1.70667 1.91623	1000. 16. 1.86567 1.92655
26. 7. 0.89717 1.99240	110. 17. 1.37203 2.02861	300. 17. 1.69946 1.92365	1000. 17. 1.86361 1.92861
26. 8. 0.81561 2.11722	110. 18. 1.35079 2.05270	300. 18. 1.69221 1.93111	1000. 18. 1.86155 1.93069
26. 9. 0.73529 2.24629	110. 19. 1.32943 2.07709	300. 19. 1.68494 1.93863	1000. 19. 1.85949 1.93276
26. 10. 0.65683 2.37862	110. 20. 1.30796 2.10175	300. 20. 1.67764 1.94619	1000. 20. 1.85742 1.93483
26. 11. 0.58079 2.51315	110. 21. 1.28639 2.12668	300. 21. 1.67030 1.95379	1000. 21. 1.85535 1.93692

26. 12. 0.50775 2.64877	111. 2. 1.67231 1.70863	310. 2. 1.80725 1.82019	1050. 2. 1.89666 1.90048
26. 13. 0.43825 2.78436	111. 3. 1.65399 1.72727	310. 3. 1.80076 1.82672	1050. 3. 1.89475 1.90238
26. 14. 0.37279 2.91872	111. 4. 1.63545 1.74630	310. 4. 1.79422 1.83329	1050. 4. 1.89284 1.90430
26. 15. 0.31182 3.05067	111. 5. 1.61668 1.76572	310. 5. 1.78766 1.83991	1050. 5. 1.89093 1.90621
26. 16. 0.25578 3.17904	111. 6. 1.59769 1.78552	310. 6. 1.78105 1.84657	1050. 6. 1.88900 1.90814
26. 17. 0.20499 3.30253	111. 7. 1.57848 1.80569	310. 7. 1.77441 1.85328	1050. 7. 1.88708 1.91007
26. 18. 0.15977 3.42006	111. 8. 1.55908 1.82623	310. 8. 1.76774 1.86003	1050. 8. 1.88516 1.91200
26. 19. 0.12041 3.53067	111. 9. 1.53947 1.84713	310. 9. 1.76104 1.86683	1050. 9. 1.88322 1.91393
26. 20. 0.08677 3.63257	111. 10. 1.51967 1.86838	310. 10. 1.75430 1.87368	1050. 10. 1.88130 1.91587
26. 21. 0.05983 3.72404	111. 11. 1.49969 1.88999	310. 11. 1.74753 1.88058	1050. 11. 1.87936 1.91781
27. 2. 1.31568 1.46878	111. 12. 1.47954 1.91193	310. 12. 1.74072 1.88751	1050. 12. 1.87741 1.91975
27. 3. 1.23991 1.55620	111. 13. 1.45921 1.93421	310. 13. 1.73389 1.89449	1050. 13. 1.87548 1.92170
27. 4. 1.16239 1.65101	111. 14. 1.43873 1.95680	310. 14. 1.72703 1.90152	1050. 14. 1.87353 1.92366
27. 5. 1.08364 1.75274	111. 15. 1.41810 1.97972	310. 15. 1.72012 1.90859	1050. 15. 1.87158 1.92562
27. 6. 1.00421 1.86079	111. 16. 1.39732 2.00296	310. 16. 1.71319 1.91571	1050. 16. 1.86963 1.92758
27. 7. 0.92463 1.97449	111. 17. 1.37641 2.02649	310. 17. 1.70622 1.92286	1050. 17. 1.86768 1.92954
27. 8. 0.84546 2.09313	111. 18. 1.35536 2.05032	310. 18. 1.69923 1.93006	1050. 18. 1.86571 1.93151
27. 9. 0.76726 2.21588	111. 19. 1.33421 2.07443	310. 19. 1.69221 1.93731	1050. 19. 1.86376 1.93348
27. 10. 0.69057 2.34190	111. 20. 1.31294 2.09881	310. 20. 1.68516 1.94459	1050. 20. 1.86179 1.93546
27. 11. 0.61593 2.47026	111. 21. 1.29157 2.12346	310. 21. 1.67807 1.95192	1050. 21. 1.85982 1.93743
27. 12. 0.54385 2.59997	112. 2. 1.67383 1.70982	320. 2. 1.81037 1.82291	1100. 2. 1.89907 1.90271
27. 13. 0.47482 2.73007	112. 3. 1.65568 1.72830	320. 3. 1.80408 1.82922	1100. 3. 1.89725 1.90454
27. 14. 0.40933 2.85950	112. 4. 1.63731 1.74715	320. 4. 1.79775 1.83559	1100. 4. 1.89543 1.90636
27. 15. 0.34780 2.98721	112. 5. 1.61871 1.76637	320. 5. 1.79139 1.84199	1100. 5. 1.89360 1.90820
27. 16. 0.29062 3.11215	112. 6. 1.59990 1.78598	320. 6. 1.78500 1.84844	1100. 6. 1.89177 1.91003
27. 17. 0.23816 3.23327	112. 7. 1.58087 1.80596	320. 7. 1.77857 1.85494	1100. 7. 1.88993 1.91187
27. 18. 0.19072 3.34944	112. 8. 1.56164 1.82628	320. 8. 1.77211 1.86147	1100. 8. 1.88809 1.91371
27. 19. 0.14853 3.45967	112. 9. 1.54222 1.84697	320. 9. 1.76563 1.86804	1100. 9. 1.88625 1.91555
27. 20. 0.11188 3.56318	112. 10. 1.52261 1.86800	320. 10. 1.75911 1.87466	1100. 10. 1.88441 1.91741
27. 21. 0.08057 3.65833	112. 11. 1.50282 1.88939	320. 11. 1.75256 1.88133	1100. 11. 1.88256 1.91926
28. 2. 1.32844 1.47589	112. 12. 1.48285 1.91109	320. 12. 1.74598 1.88804	1100. 12. 1.88071 1.92111
28. 3. 1.25534 1.55964	112. 13. 1.46272 1.93313	320. 13. 1.73937 1.89478	1100. 13. 1.87886 1.92297
28. 4. 1.18051 1.65025	112. 14. 1.44244 1.95550	320. 14. 1.73272 1.90156	1100. 14. 1.87700 1.92483
28. 5. 1.10444 1.74728	112. 15. 1.42199 1.97817	320. 15. 1.72605 1.90840	1100. 15. 1.87514 1.92669
28. 6. 1.02762 1.85022	112. 16. 1.40142 2.00114	320. 16. 1.71935 1.91527	1100. 16. 1.87328 1.92856
28. 7. 0.95052 1.95851	112. 17. 1.38070 2.02442	320. 17. 1.71262 1.92218	1100. 17. 1.87143 1.93043
28. 8. 0.87366 2.07148	112. 18. 1.35986 2.04798	320. 18. 1.70585 1.92913	1100. 18. 1.86956 1.93232
28. 9. 0.79754 2.18844	112. 19. 1.33890 2.07182	320. 19. 1.69906 1.93613	1100. 19. 1.86769 1.93420
28. 10. 0.72265 2.30862	112. 20. 1.31784 2.09594	320. 20. 1.69225 1.94316	1100. 20. 1.86581 1.93608
28. 11. 0.64947 2.43122	112. 21. 1.29666 2.12032	320. 21. 1.68540 1.95024	1100. 21. 1.86394 1.93796
28. 12. 0.57848 2.55540	113. 2. 1.67533 1.71101	330. 2. 1.81335 1.82550	1150. 2. 1.90133 1.90481
28. 13. 0.51013 2.68025	113. 3. 1.65735 1.72931	330. 3. 1.80724 1.83162	1150. 3. 1.89959 1.90655
28. 14. 0.44486 2.80489	113. 4. 1.63914 1.74798	330. 4. 1.80111 1.83779	1150. 4. 1.89784 1.90831
28. 15. 0.38308 2.92838	113. 5. 1.62071 1.76703	330. 5. 1.79495 1.84400	1150. 5. 1.89609 1.91005
28. 16. 0.32517 3.04976	113. 6. 1.60206 1.78644	330. 6. 1.78876 1.85024	1150. 6. 1.89435 1.91180
28. 17. 0.27146 3.16812	113. 7. 1.58322 1.80622	330. 7. 1.78252 1.85653	1150. 7. 1.89259 1.91356
28. 18. 0.22228 3.28249	113. 8. 1.56417 1.82635	330. 8. 1.77627 1.86286	1150. 8. 1.89083 1.91533
28. 19. 0.17787 3.39189	113. 9. 1.54492 1.84682	330. 9. 1.76999 1.86923	1150. 9. 1.88907 1.91709
28. 20. 0.13843 3.49546	113. 10. 1.52550 1.86764	330. 10. 1.76367 1.87563	1150. 10. 1.88731 1.91885
28. 21. 0.10421 3.59248	113. 11. 1.50590 1.88879	330. 11. 1.75733 1.88209	1150. 11. 1.88554 1.92062
29. 2. 1.34054 1.48275	113. 12. 1.48612 1.91029	330. 12. 1.75095 1.88857	1150. 12. 1.88378 1.92239
29. 3. 1.26992 1.56312	113. 13. 1.46618 1.93209	330. 13. 1.74455 1.89510	1150. 13. 1.88200 1.92417
29. 4. 1.19762 1.64987	113. 14. 1.44608 1.95421	330. 14. 1.73812 1.90167	1150. 14. 1.88023 1.92595
29. 5. 1.12407 1.74260	113. 15. 1.42584 1.97664	330. 15. 1.73165 1.90827	1150. 15. 1.87846 1.92773
29. 6. 1.04971 1.84088	113. 16. 1.40545 1.99938	330. 16. 1.72517 1.91492	1150. 16. 1.87667 1.92952
29. 7. 0.97499 1.94420	113. 17. 1.38493 2.02239	330. 17. 1.71865 1.92159	1150. 17. 1.87489 1.93131
29. 8. 0.90036 2.05196	113. 18. 1.36428 2.04570	330. 18. 1.71210 1.92832	1150. 18. 1.87311 1.93310
29. 9. 0.82626 2.16358	113. 19. 1.34352 2.06929	330. 19. 1.70554 1.93507	1150. 19. 1.87132 1.93489

29. 10. 0.75316 2.27837	113. 20. 1.32265 2.09314	330. 20. 1.69893 1.94187	1150. 20. 1.86953 1.93670
29. 11. 0.68148 2.39562	113. 21. 1.30168 2.11725	330. 21. 1.69231 1.94870	1150. 21. 1.86774 1.93850
29. 12. 0.61166 2.51459	114. 2. 1.67681 1.71217	340. 2. 1.81618 1.82799	1200. 2. 1.90344 1.90678
29. 13. 0.54413 2.63447	114. 3. 1.65899 1.73031	340. 3. 1.81026 1.83392	1200. 3. 1.90177 1.90844
29. 14. 0.47929 2.75449	114. 4. 1.64095 1.74881	340. 4. 1.80432 1.83990	1200. 4. 1.90009 1.91012
29. 15. 0.41753 2.87381	114. 5. 1.62268 1.76768	340. 5. 1.79834 1.84592	1200. 5. 1.89842 1.91180
29. 16. 0.35918 2.99160	114. 6. 1.60421 1.78691	340. 6. 1.79233 1.85198	1200. 6. 1.89674 1.91348
29. 17. 0.30461 3.10700	114. 7. 1.58554 1.80649	340. 7. 1.78629 1.85808	1200. 7. 1.89507 1.91516
29. 18. 0.25409 3.21917	114. 8. 1.56666 1.82642	340. 8. 1.78022 1.86420	1200. 8. 1.89338 1.91684
29. 19. 0.20790 3.32728	114. 9. 1.54760 1.84669	340. 9. 1.77413 1.87038	1200. 9. 1.89170 1.91854
29. 20. 0.16625 3.43042	114. 10. 1.52835 1.86730	340. 10. 1.76800 1.87659	1200. 10. 1.89001 1.92023
29. 21. 0.12931 3.52786	114. 11. 1.50892 1.88824	340. 11. 1.76185 1.88284	1200. 11. 1.88832 1.92192
30. 2. 1.35204 1.48936	114. 12. 1.48933 1.90950	340. 12. 1.75567 1.88913	1200. 12. 1.88662 1.92362
30. 3. 1.28373 1.56661	114. 13. 1.46958 1.93108	340. 13. 1.74947 1.89545	1200. 13. 1.88492 1.92532
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30. 6. 1.07060 1.83259	114. 16. 1.40942 1.99765	340. 16. 1.73068 1.91463	1200. 16. 1.87983 1.93044
30. 7. 0.99815 1.93133	114. 17. 1.38909 2.02042	340. 17. 1.72437 1.92109	1200. 17. 1.87811 1.93215
30. 8. 0.92564 2.03432	114. 18. 1.36864 2.04348	340. 18. 1.71803 1.92760	1200. 18. 1.87641 1.93387
30. 9. 0.85351 2.14102	114. 19. 1.34806 2.06681	340. 19. 1.71166 1.93414	1200. 19. 1.87471 1.93559
30. 10. 0.78217 2.25080	114. 20. 1.32739 2.09040	340. 20. 1.70527 1.94072	1200. 20. 1.87299 1.93730
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30. 12. 0.64345 2.47714	115. 2. 1.67828 1.71333	350. 2. 1.81890 1.83036	1250. 2. 1.90542 1.90862
30. 13. 0.57685 2.59233	115. 3. 1.66061 1.73129	350. 3. 1.81315 1.83613	1250. 3. 1.90382 1.91023
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30. 16. 0.39255 2.93738	115. 6. 1.60632 1.78737	350. 6. 1.79573 1.85366	1250. 6. 1.89899 1.91506
30. 17. 0.33740 3.04971	115. 7. 1.58781 1.80676	350. 7. 1.78987 1.85957	1250. 7. 1.89739 1.91667
30. 18. 0.28590 3.15946	115. 8. 1.56911 1.82650	350. 8. 1.78398 1.86553	1250. 8. 1.89577 1.91828
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31. 6. 1.09040 1.82522	115. 16. 1.41332 1.99597	350. 16. 1.73592 1.91441	1250. 16. 1.88276 1.93132
31. 7. 1.02008 1.91976	115. 17. 1.39318 2.01850	350. 17. 1.72979 1.92068	1250. 17. 1.88113 1.93297
31. 8. 0.94962 2.01834	115. 18. 1.37291 2.04131	350. 18. 1.72364 1.92698	1250. 18. 1.87948 1.93462
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31. 10. 0.80979 2.22562	115. 20. 1.33205 2.08773	350. 20. 1.71127 1.93967	1250. 20. 1.87621 1.93791
31. 11. 0.74115 2.33323	115. 21. 1.31146 2.11133	350. 21. 1.70505 1.94608	1250. 21. 1.87456 1.93957
31. 12. 0.67387 2.44273	116. 2. 1.67972 1.71446	360. 2. 1.82150 1.83264	1300. 2. 1.90729 1.91036
31. 13. 0.60828 2.55347	116. 3. 1.66221 1.73228	360. 3. 1.81591 1.83825	1300. 3. 1.90574 1.91191
31. 14. 0.54474 2.66484	116. 4. 1.64448 1.75044	360. 4. 1.81029 1.84389	1300. 4. 1.90420 1.91345
31. 15. 0.48358 2.77618	116. 5. 1.62654 1.76896	360. 5. 1.80465 1.84957	1300. 5. 1.90266 1.91500
31. 16. 0.42513 2.88680	116. 6. 1.60839 1.78782	360. 6. 1.79898 1.85527	1300. 6. 1.90111 1.91655
31. 17. 0.36966 2.99604	116. 7. 1.59005 1.80703	360. 7. 1.79328 1.86102	1300. 7. 1.89955 1.91810
31. 18. 0.31748 3.10322	116. 8. 1.57152 1.82658	360. 8. 1.78756 1.86681	1300. 8. 1.89800 1.91966
31. 19. 0.26882 3.20762	116. 9. 1.55280 1.84645	360. 9. 1.78182 1.87261	1300. 9. 1.89645 1.92121
31. 20. 0.22392 3.30859	116. 10. 1.53391 1.86665	360. 10. 1.77604 1.87846	1300. 10. 1.89489 1.92277
31. 21. 0.18298 3.40545	116. 11. 1.51484 1.88716	360. 11. 1.77025 1.88434	1300. 11. 1.89333 1.92433
32. 2. 1.37340 1.50190	116. 12. 1.49561 1.90799	360. 12. 1.76442 1.89026	1300. 12. 1.89177 1.92590
32. 3. 1.30932 1.57358	116. 13. 1.47621 1.92914	360. 13. 1.75858 1.89620	1300. 13. 1.89021 1.92747
32. 4. 1.24371 1.65046	116. 14. 1.45668 1.95058	360. 14. 1.75270 1.90218	1300. 14. 1.88864 1.92903
32. 5. 1.17688 1.73226	116. 15. 1.43699 1.97231	360. 15. 1.74681 1.90819	1300. 15. 1.88708 1.93061
32. 6. 1.10916 1.81867	116. 16. 1.41716 1.99432	360. 16. 1.74089 1.91424	1300. 16. 1.88551 1.93218
32. 7. 1.04088 1.90931	116. 17. 1.39721 2.01662	360. 17. 1.73494 1.92032	1300. 17. 1.88394 1.93376

32. 8. 0.97239 2.00381	116. 18. 1.37713 2.03919	360. 18. 1.72898 1.92643	1300. 18. 1.88236 1.93534
32. 9. 0.90401 2.10171	116. 19. 1.35693 2.06203	360. 19. 1.72299 1.93257	1300. 19. 1.88079 1.93692
32. 10. 0.83609 2.20255	116. 20. 1.33663 2.08512	360. 20. 1.71697 1.93874	1300. 20. 1.87921 1.93851
32. 11. 0.76897 2.30583	116. 21. 1.31624 2.10846	360. 21. 1.71094 1.94494	1300. 21. 1.87763 1.94009
32. 12. 0.70299 2.41102	117. 2. 1.68115 1.71559	370. 2. 1.82399 1.83483	1350. 2. 1.90905 1.91201
32. 13. 0.63847 2.51758	117. 3. 1.66378 1.73324	370. 3. 1.81855 1.84029	1350. 3. 1.90756 1.91349
32. 14. 0.57573 2.62493	117. 4. 1.64621 1.75124	370. 4. 1.81309 1.84577	1350. 4. 1.90607 1.91498
32. 15. 0.51510 2.73248	117. 5. 1.62843 1.76960	370. 5. 1.80760 1.85129	1350. 5. 1.90459 1.91648
32. 16. 0.45685 2.83963	117. 6. 1.61045 1.78828	370. 6. 1.80209 1.85685	1350. 6. 1.90309 1.91796
32. 17. 0.40129 2.94576	117. 7. 1.59227 1.80731	370. 7. 1.79655 1.86242	1350. 7. 1.90160 1.91946
32. 18. 0.34866 3.05028	117. 8. 1.57390 1.82666	370. 8. 1.79098 1.86805	1350. 8. 1.90011 1.92095
32. 19. 0.29923 3.15253	117. 9. 1.55535 1.84634	370. 9. 1.78540 1.87369	1350. 9. 1.89861 1.92246
32. 20. 0.25319 3.25193	117. 10. 1.53663 1.86634	370. 10. 1.77978 1.87938	1350. 10. 1.89711 1.92395
32. 21. 0.21078 3.34784	117. 11. 1.51774 1.88666	370. 11. 1.77415 1.88509	1350. 11. 1.89561 1.92546
33. 2. 1.38335 1.50784	117. 12. 1.49868 1.90728	370. 12. 1.76849 1.89083	1350. 12. 1.89411 1.92696
33. 3. 1.32119 1.57703	117. 13. 1.47946 1.92820	370. 13. 1.76281 1.89660	1350. 13. 1.89260 1.92847
33. 4. 1.25756 1.65110	117. 14. 1.46009 1.94943	370. 14. 1.75711 1.90241	1350. 14. 1.89110 1.92998
33. 5. 1.19272 1.72978	117. 15. 1.44059 1.97093	370. 15. 1.75137 1.90825	1350. 15. 1.88959 1.93150
33. 6. 1.12698 1.81282	117. 16. 1.42094 1.99272	370. 16. 1.74562 1.91412	1350. 16. 1.88808 1.93301
33. 7. 1.06065 1.89986	117. 17. 1.40116 2.01478	370. 17. 1.73985 1.92002	1350. 17. 1.88657 1.93453
33. 8. 0.99402 1.99057	117. 18. 1.38128 2.03712	370. 18. 1.73406 1.92595	1350. 18. 1.88505 1.93605
33. 9. 0.92743 2.08455	117. 19. 1.36126 2.05971	370. 19. 1.72824 1.93191	1350. 19. 1.88354 1.93757
33. 10. 0.86115 2.18137	117. 20. 1.34114 2.08257	370. 20. 1.72240 1.93789	1350. 20. 1.88201 1.93909
33. 11. 0.79554 2.28061	117. 21. 1.32093 2.10566	370. 21. 1.71653 1.94392	1350. 21. 1.88049 1.94062
33. 12. 0.73086 2.38177	118. 2. 1.68255 1.71670	380. 2. 1.82639 1.83694	1400. 2. 1.91070 1.91357
33. 13. 0.66745 2.48437	118. 3. 1.66534 1.73420	380. 3. 1.82109 1.84225	1400. 3. 1.90927 1.91500
33. 14. 0.60559 2.58789	118. 4. 1.64792 1.75204	380. 4. 1.81577 1.84758	1400. 4. 1.90784 1.91643
33. 15. 0.54558 2.69181	118. 5. 1.63029 1.77022	380. 5. 1.81043 1.85296	1400. 5. 1.90641 1.91787
33. 16. 0.48769 2.79558	118. 6. 1.61246 1.78873	380. 6. 1.80506 1.85836	1400. 6. 1.90497 1.91930
33. 17. 0.43219 2.89865	118. 7. 1.59445 1.80759	380. 7. 1.79967 1.86379	1400. 7. 1.90353 1.92074
33. 18. 0.37933 3.00046	118. 8. 1.57625 1.82675	380. 8. 1.79426 1.86925	1400. 8. 1.90209 1.92219
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33. 21. 0.23887 3.29275	118. 11. 1.52058 1.88616	380. 11. 1.77788 1.88582	1400. 11. 1.89776 1.92653
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34. 3. 1.33251 1.58045	118. 13. 1.48265 1.92729	380. 13. 1.76685 1.89702	1400. 13. 1.89486 1.92944
34. 4. 1.27074 1.65189	118. 14. 1.46347 1.94830	380. 14. 1.76130 1.90266	1400. 14. 1.89341 1.93089
34. 5. 1.20779 1.72770	118. 15. 1.44413 1.96959	380. 15. 1.75573 1.90834	1400. 15. 1.89195 1.93235
34. 6. 1.14393 1.80758	118. 16. 1.42467 1.99116	380. 16. 1.75014 1.91404	1400. 16. 1.89050 1.93381
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34. 10. 0.88506 2.16190	118. 20. 1.34558 2.08007	380. 20. 1.72755 1.93714	1400. 20. 1.88466 1.93967
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34. 14. 0.63433 2.55348	119. 4. 1.64960 1.75283	390. 4. 1.81834 1.84933	1450. 4. 1.90952 1.91781
34. 15. 0.57503 2.65392	119. 5. 1.63212 1.77085	390. 5. 1.81314 1.85457	1450. 5. 1.90813 1.91920
34. 16. 0.51760 2.75442	119. 6. 1.61446 1.78919	390. 6. 1.80791 1.85982	1450. 6. 1.90675 1.92059
34. 17. 0.46231 2.85449	119. 7. 1.59660 1.80786	390. 7. 1.80266 1.86512	1450. 7. 1.90535 1.92197
34. 18. 0.40939 2.95361	119. 8. 1.57855 1.82686	390. 8. 1.79739 1.87043	1450. 8. 1.90396 1.92337
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35. 8. 1.03424 1.96743	119. 18. 1.38936 2.03312	390. 18. 1.74351 1.92517	1450. 18. 1.88996 1.93740
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35. 12. 0.78311 2.32966	120. 2. 1.68531 1.71889	400. 2. 1.83089 1.84091	1500. 2. 1.91378 1.91645
35. 13. 0.72197 2.42501	120. 3. 1.66839 1.73608	400. 3. 1.82586 1.84596	1500. 3. 1.91244 1.91779
35. 14. 0.66200 2.52146	120. 4. 1.65126 1.75361	400. 4. 1.82081 1.85103	1500. 4. 1.91110 1.91912
35. 15. 0.60346 2.61858	120. 5. 1.63394 1.77146	400. 5. 1.81574 1.85612	1500. 5. 1.90976 1.92046
35. 16. 0.54659 2.71593	120. 6. 1.61642 1.78964	400. 6. 1.81064 1.86124	1500. 6. 1.90842 1.92181
35. 17. 0.49162 2.81306	120. 7. 1.59872 1.80815	400. 7. 1.80553 1.86640	1500. 7. 1.90708 1.92314
35. 18. 0.43878 2.90951	120. 8. 1.58083 1.82696	400. 8. 1.80039 1.87158	1500. 8. 1.90574 1.92449
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36. 3. 1.35365 1.58716	120. 13. 1.48889 1.92556	400. 13. 1.77440 1.89789	1500. 13. 1.89899 1.93124
36. 4. 1.29530 1.65387	120. 14. 1.47004 1.94614	400. 14. 1.76915 1.90323	1500. 14. 1.89764 1.93260
36. 5. 1.23583 1.72447	120. 15. 1.45106 1.96701	400. 15. 1.76387 1.90860	1500. 15. 1.89629 1.93397
36. 6. 1.17545 1.79873	120. 16. 1.43193 1.98814	400. 16. 1.75856 1.91400	1500. 16. 1.89493 1.93532
36. 7. 1.11441 1.87643	120. 17. 1.41269 2.00954	400. 17. 1.75324 1.91942	1500. 17. 1.89357 1.93669
36. 8. 1.05294 1.95730	120. 18. 1.39332 2.03119	400. 18. 1.74791 1.92486	1500. 18. 1.89221 1.93805
36. 9. 0.99128 2.04104	120. 19. 1.37385 2.05310	400. 19. 1.74255 1.93034	1500. 19. 1.89085 1.93941
36. 10. 0.92967 2.12737	120. 20. 1.35425 2.07524	400. 20. 1.73717 1.93584	1500. 20. 1.88948 1.94079
36. 11. 0.86836 2.21594	120. 21. 1.33457 2.09762	400. 21. 1.73177 1.94136	1500. 21. 1.88812 1.94215
36. 12. 0.80759 2.30642	121. 2. 1.68666 1.71996	410. 2. 1.83301 1.84279	1550. 2. 1.91520 1.91778
36. 13. 0.74759 2.39844	121. 3. 1.66988 1.73701	410. 3. 1.82811 1.84771	1550. 3. 1.91391 1.91908
36. 14. 0.68861 2.49162	121. 4. 1.65290 1.75438	410. 4. 1.82318 1.85265	1550. 4. 1.91261 1.92037
36. 15. 0.63089 2.58557	121. 5. 1.63572 1.77209	410. 5. 1.81824 1.85763	1550. 5. 1.91132 1.92167
36. 16. 0.57463 2.67990	121. 6. 1.61835 1.79010	410. 6. 1.81327 1.86263	1550. 6. 1.91002 1.92297
36. 17. 0.52008 2.77418	121. 7. 1.60080 1.80843	410. 7. 1.80828 1.86765	1550. 7. 1.90872 1.92426
36. 18. 0.46745 2.86800	121. 8. 1.58307 1.82706	410. 8. 1.80327 1.87269	1550. 8. 1.90742 1.92556
36. 19. 0.41692 2.96095	121. 9. 1.56517 1.84601	410. 9. 1.79825 1.87777	1550. 9. 1.90612 1.92687
36. 20. 0.36871 3.05259	121. 10. 1.54710 1.86525	410. 10. 1.79320 1.88287	1550. 10. 1.90482 1.92818
36. 21. 0.32299 3.14249	121. 11. 1.52886 1.88479	410. 11. 1.78814 1.88800	1550. 11. 1.90352 1.92948
37. 2. 1.41900 1.52971	121. 12. 1.51047 1.90461	410. 12. 1.78305 1.89315	1550. 12. 1.90221 1.93079
37. 3. 1.36354 1.59044	121. 13. 1.49194 1.92471	410. 13. 1.77794 1.89833	1550. 13. 1.90090 1.93210
37. 4. 1.30678 1.65501	121. 14. 1.47325 1.94510	410. 14. 1.77281 1.90354	1550. 14. 1.89959 1.93341
37. 5. 1.24891 1.72327	121. 15. 1.45443 1.96576	410. 15. 1.76767 1.90877	1550. 15. 1.89828 1.93473
37. 6. 1.19014 1.79499	121. 16. 1.43549 1.98668	410. 16. 1.76250 1.91401	1550. 16. 1.89696 1.93604
37. 7. 1.13071 1.86998	121. 17. 1.41641 2.00787	410. 17. 1.75732 1.91930	1550. 17. 1.89565 1.93736
37. 8. 1.07081 1.94799	121. 18. 1.39721 2.02930	410. 18. 1.75212 1.92460	1550. 18. 1.89433 1.93868
37. 9. 1.01066 2.02876	121. 19. 1.37791 2.05099	410. 19. 1.74690 1.92993	1550. 19. 1.89302 1.94000
37. 10. 0.95051 2.11203	121. 20. 1.35849 2.07291	410. 20. 1.74166 1.93528	1550. 20. 1.89170 1.94132
37. 11. 0.89057 2.19749	121. 21. 1.33898 2.09507	410. 21. 1.73640 1.94066	1550. 21. 1.89038 1.94265
37. 12. 0.83105 2.28481	122. 2. 1.68800 1.72102	420. 2. 1.83507 1.84461	1600. 2. 1.91655 1.91905
37. 13. 0.77219 2.37369	122. 3. 1.67135 1.73792	420. 3. 1.83028 1.84941	1600. 3. 1.91531 1.92031
37. 14. 0.71421 2.46378	122. 4. 1.65452 1.75515	420. 4. 1.82546 1.85423	1600. 4. 1.91405 1.92156
37. 15. 0.65734 2.55471	122. 5. 1.63748 1.77269	420. 5. 1.82064 1.85908	1600. 5. 1.91279 1.92282
37. 16. 0.60177 2.64613	122. 6. 1.62027 1.79054	420. 6. 1.81579 1.86396	1600. 6. 1.91154 1.92407
37. 17. 0.54771 2.73765	122. 7. 1.60286 1.80871	420. 7. 1.81093 1.86886	1600. 7. 1.91028 1.92534
37. 18. 0.49537 2.82891	122. 8. 1.58528 1.82718	420. 8. 1.80604 1.87379	1600. 8. 1.90902 1.92659
37. 19. 0.44494 2.91951	122. 9. 1.56754 1.84594	420. 9. 1.80114 1.87874	1600. 9. 1.90776 1.92786
37. 20. 0.39661 3.00907	122. 10. 1.54962 1.86500	420. 10. 1.79621 1.88371	1600. 10. 1.90650 1.92912
37. 21. 0.35054 3.09719	122. 11. 1.53155 1.88436	420. 11. 1.79127 1.88871	1600. 11. 1.90523 1.93038
38. 2. 1.42702 1.53475	122. 12. 1.51332 1.90400	420. 12. 1.78631 1.89373	1600. 12. 1.90397 1.93165
38. 3. 1.37301 1.59368	122. 13. 1.49495 1.92391	420. 13. 1.78133 1.89878	1600. 13. 1.90270 1.93293

38. 4. 1.31774 1.65625	122. 14. 1.47642 1.94409	420. 14. 1.77633 1.90385	1600. 14. 1.90143 1.93419
38. 5. 1.26140 1.72229	122. 15. 1.45777 1.96455	420. 15. 1.77132 1.90895	1600. 15. 1.90016 1.93547
38. 6. 1.20418 1.79164	122. 16. 1.43899 1.98526	420. 16. 1.76628 1.91407	1600. 16. 1.89889 1.93674
38. 7. 1.14627 1.86409	122. 17. 1.42007 2.00624	420. 17. 1.76122 1.91922	1600. 17. 1.89762 1.93801
38. 8. 1.08787 1.93942	122. 18. 1.40104 2.02746	420. 18. 1.75615 1.92438	1600. 18. 1.89634 1.93929
38. 9. 1.02919 2.01742	122. 19. 1.38190 2.04892	420. 19. 1.75107 1.92957	1600. 19. 1.89507 1.94057
38. 10. 0.97045 2.09782	122. 20. 1.36266 2.07063	420. 20. 1.74596 1.93478	1600. 20. 1.89380 1.94185
38. 11. 0.91183 2.18033	122. 21. 1.34332 2.09256	420. 21. 1.74083 1.94003	1600. 21. 1.89252 1.94314
38. 12. 0.85356 2.26470	123. 2. 1.68932 1.72207	430. 2. 1.83704 1.84636	1650. 2. 1.91785 1.92028
38. 13. 0.79583 2.35061	123. 3. 1.67281 1.73883	430. 3. 1.83236 1.85105	1650. 3. 1.91663 1.92149
38. 14. 0.73886 2.43775	123. 4. 1.65611 1.75591	430. 4. 1.82767 1.85576	1650. 4. 1.91542 1.92270
38. 15. 0.68284 2.52581	123. 5. 1.63922 1.77330	430. 5. 1.82296 1.86050	1650. 5. 1.91420 1.92392
38. 16. 0.62799 2.61444	123. 6. 1.62215 1.79100	430. 6. 1.81823 1.86525	1650. 6. 1.91298 1.92514
38. 17. 0.57448 2.70332	123. 7. 1.60489 1.80899	430. 7. 1.81348 1.87004	1650. 7. 1.91176 1.92636
38. 18. 0.52253 2.79207	123. 8. 1.58746 1.82730	430. 8. 1.80871 1.87484	1650. 8. 1.91054 1.92758
38. 19. 0.47229 2.88036	123. 9. 1.56986 1.84589	430. 9. 1.80392 1.87967	1650. 9. 1.90932 1.92881
38. 20. 0.42396 2.96784	123. 10. 1.55210 1.86478	430. 10. 1.79911 1.88453	1650. 10. 1.90810 1.93003
38. 21. 0.37769 3.05412	123. 11. 1.53419 1.88394	430. 11. 1.79429 1.88941	1650. 11. 1.90687 1.93126
39. 2. 1.43473 1.53963	123. 12. 1.51612 1.90339	430. 12. 1.78944 1.89431	1650. 12. 1.90565 1.93249
39. 3. 1.38210 1.59686	123. 13. 1.49790 1.92311	430. 13. 1.78458 1.89923	1650. 13. 1.90442 1.93371
39. 4. 1.32827 1.65754	123. 14. 1.47954 1.94311	430. 14. 1.77971 1.90417	1650. 14. 1.90319 1.93495
39. 5. 1.27338 1.72152	123. 15. 1.46105 1.96336	430. 15. 1.77481 1.90915	1650. 15. 1.90196 1.93618
39. 6. 1.21761 1.78863	123. 16. 1.44243 1.98388	430. 16. 1.76990 1.91414	1650. 16. 1.90073 1.93741
39. 7. 1.16116 1.85870	123. 17. 1.42368 2.00464	430. 17. 1.76497 1.91915	1650. 17. 1.89949 1.93865
39. 8. 1.10419 1.93153	123. 18. 1.40482 2.02566	430. 18. 1.76002 1.92420	1650. 18. 1.89826 1.93989
39. 9. 1.04692 2.00692	123. 19. 1.38584 2.04690	430. 19. 1.75506 1.92925	1650. 19. 1.89702 1.94113
39. 10. 0.98953 2.08460	123. 20. 1.36677 2.06839	430. 20. 1.75007 1.93433	1650. 20. 1.89578 1.94237
39. 11. 0.93220 2.16437	123. 21. 1.34759 2.09010	430. 21. 1.74508 1.93944	1650. 21. 1.89455 1.94361
39. 12. 0.87514 2.24594	124. 2. 1.69062 1.72310	440. 2. 1.83895 1.84805	1700. 2. 1.91908 1.92143
39. 13. 0.81853 2.32904	124. 3. 1.67425 1.73973	440. 3. 1.83438 1.85264	1700. 3. 1.91790 1.92261
39. 14. 0.76257 2.41340	124. 4. 1.65768 1.75666	440. 4. 1.82979 1.85724	1700. 4. 1.91672 1.92380
39. 15. 0.70743 2.49872	124. 5. 1.64094 1.77390	440. 5. 1.82518 1.86187	1700. 5. 1.91554 1.92498
39. 16. 0.65333 2.58469	124. 6. 1.62400 1.79144	440. 6. 1.82056 1.86651	1700. 6. 1.91436 1.92616
39. 17. 0.60044 2.67100	124. 7. 1.60690 1.80928	440. 7. 1.81592 1.87119	1700. 7. 1.91318 1.92734
39. 18. 0.54891 2.75733	124. 8. 1.58961 1.82742	440. 8. 1.81126 1.87588	1700. 8. 1.91199 1.92853
39. 19. 0.49896 2.84336	124. 9. 1.57216 1.84584	440. 9. 1.80659 1.88060	1700. 9. 1.91081 1.92971
39. 20. 0.45072 2.92876	124. 10. 1.55456 1.86455	440. 10. 1.80189 1.88533	1700. 10. 1.90962 1.93090
39. 21. 0.40437 3.01320	124. 11. 1.53680 1.88354	440. 11. 1.79718 1.89010	1700. 11. 1.90843 1.93210
40. 2. 1.44214 1.54436	124. 12. 1.51888 1.90281	440. 12. 1.79245 1.89488	1700. 12. 1.90724 1.93329
40. 3. 1.39083 1.59999	124. 13. 1.50081 1.92234	440. 13. 1.78770 1.89968	1700. 13. 1.90605 1.93448
40. 4. 1.33835 1.65889	124. 14. 1.48261 1.94215	440. 14. 1.78295 1.90451	1700. 14. 1.90486 1.93567
40. 5. 1.28484 1.72092	124. 15. 1.46428 1.96221	440. 15. 1.77817 1.90937	1700. 15. 1.90366 1.93687
40. 6. 1.23047 1.78594	124. 16. 1.44582 1.98252	440. 16. 1.77337 1.91424	1700. 16. 1.90247 1.93807
40. 7. 1.17541 1.85378	124. 17. 1.42724 2.00308	440. 17. 1.76856 1.91913	1700. 17. 1.90127 1.93926
40. 8. 1.11983 1.92426	124. 18. 1.40854 2.02388	440. 18. 1.76373 1.92404	1700. 18. 1.90007 1.94047
40. 9. 1.06391 1.99717	124. 19. 1.38973 2.04493	440. 19. 1.75888 1.92898	1700. 19. 1.89887 1.94167
40. 10. 1.00782 2.07233	124. 20. 1.37082 2.06620	440. 20. 1.75403 1.93393	1700. 20. 1.89767 1.94287
40. 11. 0.95174 2.14950	124. 21. 1.35180 2.08770	440. 21. 1.74914 1.93891	1700. 21. 1.89647 1.94407
40. 12. 0.89585 2.22843	125. 2. 1.69191 1.72413	450. 2. 1.84079 1.84970	1750. 2. 1.92026 1.92255
40. 13. 0.84035 2.30888	125. 3. 1.67567 1.74061	450. 3. 1.83632 1.85418	1750. 3. 1.91912 1.92369
40. 14. 0.78539 2.39060	125. 4. 1.65924 1.75740	450. 4. 1.83184 1.85867	1750. 4. 1.91797 1.92483
40. 15. 0.73115 2.47330	125. 5. 1.64263 1.77450	450. 5. 1.82734 1.86320	1750. 5. 1.91682 1.92598
40. 16. 0.67782 2.55672	125. 6. 1.62584 1.79189	450. 6. 1.82282 1.86774	1750. 6. 1.91568 1.92714
40. 17. 0.62556 2.64056	125. 7. 1.60887 1.80958	450. 7. 1.81828 1.87230	1750. 7. 1.91452 1.92829
40. 18. 0.57454 2.72455	125. 8. 1.59173 1.82755	450. 8. 1.81373 1.87688	1750. 8. 1.91337 1.92944
40. 19. 0.52492 2.80836	125. 9. 1.57443 1.84581	450. 9. 1.80916 1.88150	1750. 9. 1.91222 1.93059
40. 20. 0.47687 2.89172	125. 10. 1.55697 1.86435	450. 10. 1.80457 1.88612	1750. 10. 1.91107 1.93174
40. 21. 0.43054 2.97431	125. 11. 1.53936 1.88316	450. 11. 1.79997 1.89077	1750. 11. 1.90991 1.93290

41. 2. 1.44927 1.54895	125. 12. 1.52160 1.90225	450. 12. 1.79535 1.89545	1750. 12. 1.90876 1.93406
41. 3. 1.39922 1.60307	125. 13. 1.50369 1.92160	450. 13. 1.79071 1.90014	1750. 13. 1.90761 1.93522
41. 4. 1.34803 1.66028	125. 14. 1.48565 1.94121	450. 14. 1.78607 1.90485	1750. 14. 1.90644 1.93637
41. 5. 1.29584 1.72048	125. 15. 1.46747 1.96108	450. 15. 1.78139 1.90959	1750. 15. 1.90528 1.93753
41. 6. 1.24280 1.78353	125. 16. 1.44916 1.98119	450. 16. 1.77671 1.91434	1750. 16. 1.90413 1.93870
41. 7. 1.18907 1.84926	125. 17. 1.43074 2.00156	450. 17. 1.77201 1.91912	1750. 17. 1.90297 1.93987
41. 8. 1.13481 1.91753	125. 18. 1.41220 2.02216	450. 18. 1.76730 1.92392	1750. 18. 1.90180 1.94103
41. 9. 1.08019 1.98813	125. 19. 1.39355 2.04300	450. 19. 1.76256 1.92874	1750. 19. 1.90064 1.94220
41. 10. 1.02536 2.06089	125. 20. 1.37480 2.06406	450. 20. 1.75781 1.93358	1750. 20. 1.89947 1.94336
41. 11. 0.97050 2.13561	125. 21. 1.35595 2.08535	450. 21. 1.75305 1.93844	1750. 21. 1.89831 1.94453
41. 12. 0.91576 2.21204	126. 2. 1.69318 1.72515	460. 2. 1.84257 1.85128	1800. 2. 1.92139 1.92361
41. 13. 0.86132 2.28998	126. 3. 1.67707 1.74149	460. 3. 1.83820 1.85567	1800. 3. 1.92028 1.92473
41. 14. 0.80736 2.36919	126. 4. 1.66078 1.75815	460. 4. 1.83381 1.86007	1800. 4. 1.91916 1.92584
41. 15. 0.75402 2.44941	126. 5. 1.64430 1.77509	460. 5. 1.82941 1.86449	1800. 5. 1.91805 1.92695
41. 16. 0.70146 2.53039	126. 6. 1.62764 1.79234	460. 6. 1.82499 1.86893	1800. 6. 1.91693 1.92807
41. 17. 0.64987 2.61187	126. 7. 1.61081 1.80986	460. 7. 1.82056 1.87339	1800. 7. 1.91582 1.92919
41. 18. 0.59940 2.69358	126. 8. 1.59383 1.82768	460. 8. 1.81611 1.87787	1800. 8. 1.91470 1.93031
41. 19. 0.55018 2.77525	126. 9. 1.57667 1.84577	460. 9. 1.81163 1.88238	1800. 9. 1.91358 1.93144
41. 20. 0.50238 2.85660	126. 10. 1.55936 1.86414	460. 10. 1.80716 1.88690	1800. 10. 1.91245 1.93255
41. 21. 0.45615 2.93734	126. 11. 1.54189 1.88278	460. 11. 1.80265 1.89144	1800. 11. 1.91133 1.93367
42. 2. 1.45615 1.55340	126. 12. 1.52428 1.90169	460. 12. 1.79813 1.89601	1800. 12. 1.91021 1.93480
42. 3. 1.40730 1.60608	126. 13. 1.50652 1.92086	460. 13. 1.79361 1.90060	1800. 13. 1.90909 1.93593
42. 4. 1.35733 1.66172	126. 14. 1.48863 1.94029	460. 14. 1.78906 1.90520	1800. 14. 1.90796 1.93706
42. 5. 1.30640 1.72019	126. 15. 1.47060 1.95997	460. 15. 1.78450 1.90983	1800. 15. 1.90683 1.93818
42. 6. 1.25463 1.78137	126. 16. 1.45246 1.97990	460. 16. 1.77992 1.91447	1800. 16. 1.90570 1.93931
42. 7. 1.20218 1.84512	126. 17. 1.43419 2.00006	460. 17. 1.77532 1.91914	1800. 17. 1.90458 1.94044
42. 8. 1.14918 1.91130	126. 18. 1.41581 2.02047	460. 18. 1.77072 1.92382	1800. 18. 1.90345 1.94158
42. 9. 1.09581 1.97972	126. 19. 1.39732 2.04111	460. 19. 1.76610 1.92853	1800. 19. 1.90232 1.94271
42. 10. 1.04219 2.05023	126. 20. 1.37872 2.06197	460. 20. 1.76145 1.93325	1800. 20. 1.90118 1.94384
42. 11. 0.98851 2.12262	126. 21. 1.36003 2.08305	460. 21. 1.75680 1.93800	1800. 21. 1.90005 1.94498
42. 12. 0.93489 2.19670	127. 2. 1.69443 1.72614	470. 2. 1.84429 1.85282	1850. 2. 1.92247 1.92463
42. 13. 0.88151 2.27227	127. 3. 1.67845 1.74236	470. 3. 1.84002 1.85711	1850. 3. 1.92139 1.92572
42. 14. 0.82852 2.34909	127. 4. 1.66229 1.75888	470. 4. 1.83572 1.86141	1850. 4. 1.92031 1.92681
42. 15. 0.77607 2.42694	127. 5. 1.64595 1.77568	470. 5. 1.83142 1.86574	1850. 5. 1.91922 1.92789
42. 16. 0.72431 2.50558	127. 6. 1.62943 1.79277	470. 6. 1.82709 1.87009	1850. 6. 1.91814 1.92897
42. 17. 0.67341 2.58480	127. 7. 1.61273 1.81015	470. 7. 1.82275 1.87445	1850. 7. 1.91705 1.93006
42. 18. 0.62350 2.66432	127. 8. 1.59588 1.82781	470. 8. 1.81840 1.87883	1850. 8. 1.91596 1.93115
42. 19. 0.57474 2.74389	127. 9. 1.57888 1.84575	470. 9. 1.81403 1.88324	1850. 9. 1.91487 1.93225
42. 20. 0.52726 2.82328	127. 10. 1.56170 1.86394	470. 10. 1.80964 1.88767	1850. 10. 1.91378 1.93334
42. 21. 0.48121 2.90220	127. 11. 1.54438 1.88242	470. 11. 1.80524 1.89211	1850. 11. 1.91269 1.93443
43. 2. 1.46278 1.55773	127. 12. 1.52692 1.90116	470. 12. 1.80083 1.89657	1850. 12. 1.91160 1.93552
43. 3. 1.41507 1.60905	127. 13. 1.50931 1.92015	470. 13. 1.79640 1.90105	1850. 13. 1.91051 1.93661
43. 4. 1.36629 1.66319	127. 14. 1.49157 1.93940	470. 14. 1.79195 1.90556	1850. 14. 1.90941 1.93772
43. 5. 1.31655 1.72002	127. 15. 1.47370 1.95890	470. 15. 1.78749 1.91008	1850. 15. 1.90831 1.93881
43. 6. 1.26600 1.77944	127. 16. 1.45570 1.97863	470. 16. 1.78301 1.91461	1850. 16. 1.90722 1.93991
43. 7. 1.21476 1.84132	127. 17. 1.43759 1.99861	470. 17. 1.77852 1.91918	1850. 17. 1.90612 1.94101
43. 8. 1.16298 1.90552	127. 18. 1.41936 2.01882	470. 18. 1.77401 1.92376	1850. 18. 1.90502 1.94211
43. 9. 1.11080 1.97189	127. 19. 1.40103 2.03926	470. 19. 1.76949 1.92835	1850. 19. 1.90392 1.94321
43. 10. 1.05837 2.04027	127. 20. 1.38259 2.05992	470. 20. 1.76496 1.93296	1850. 20. 1.90282 1.94432
43. 11. 1.00581 2.11047	127. 21. 1.36406 2.08079	470. 21. 1.76041 1.93760	1850. 21. 1.90171 1.94542
43. 12. 0.95328 2.18231	128. 2. 1.69568 1.72714	480. 2. 1.84596 1.85431	1900. 2. 1.92352 1.92562
43. 13. 0.90093 2.25562	128. 3. 1.67982 1.74322	480. 3. 1.84177 1.85851	1900. 3. 1.92246 1.92668
43. 14. 0.84891 2.33017	128. 4. 1.66379 1.75960	480. 4. 1.83757 1.86272	1900. 4. 1.92141 1.92773
43. 15. 0.79734 2.40577	128. 5. 1.64758 1.77626	480. 5. 1.83336 1.86695	1900. 5. 1.92035 1.92878
43. 16. 0.74639 2.48220	128. 6. 1.63119 1.79322	480. 6. 1.82912 1.87121	1900. 6. 1.91929 1.92985
43. 17. 0.69619 2.55922	128. 7. 1.61464 1.81045	480. 7. 1.82488 1.87548	1900. 7. 1.91823 1.93090
43. 18. 0.64688 2.63664	128. 8. 1.59792 1.82795	480. 8. 1.82061 1.87977	1900. 8. 1.91717 1.93196
43. 19. 0.59860 2.71419	128. 9. 1.58105 1.84572	480. 9. 1.81634 1.88408	1900. 9. 1.91611 1.93303

43. 20. 0.55149 2.79164	128. 10. 1.56402 1.86377	480. 10. 1.81205 1.88841	1900. 10. 1.91505 1.93409
43. 21. 0.50568 2.86878	128. 11. 1.54684 1.88207	480. 11. 1.80774 1.89276	1900. 11. 1.91399 1.93515
44. 2. 1.46920 1.56193	128. 12. 1.52952 1.90064	480. 12. 1.80341 1.89712	1900. 12. 1.91292 1.93622
44. 3. 1.42257 1.61196	128. 13. 1.51206 1.91946	480. 13. 1.79908 1.90151	1900. 13. 1.91186 1.93728
44. 4. 1.37490 1.66467	128. 14. 1.49447 1.93853	480. 14. 1.79473 1.90591	1900. 14. 1.91079 1.93835
44. 5. 1.32631 1.71996	128. 15. 1.47675 1.95784	480. 15. 1.79036 1.91034	1900. 15. 1.90973 1.93942
44. 6. 1.27692 1.77772	128. 16. 1.45891 1.97740	480. 16. 1.78599 1.91477	1900. 16. 1.90866 1.94048
44. 7. 1.22685 1.83784	128. 17. 1.44094 1.99719	480. 17. 1.78159 1.91923	1900. 17. 1.90760 1.94156
44. 8. 1.17624 1.90017	128. 18. 1.42287 2.01721	480. 18. 1.77719 1.92371	1900. 18. 1.90652 1.94263
44. 9. 1.12522 1.96460	128. 19. 1.40468 2.03744	480. 19. 1.77276 1.92820	1900. 19. 1.90546 1.94370
44. 10. 1.07390 2.03095	128. 20. 1.38640 2.05791	480. 20. 1.76833 1.93271	1900. 20. 1.90438 1.94478
44. 11. 1.02245 2.09907	128. 21. 1.36802 2.07859	480. 21. 1.76388 1.93725	1900. 21. 1.90331 1.94585
44. 12. 0.97099 2.16881	129. 2. 1.69690 1.72812	490. 2. 1.84758 1.85576	1950. 2. 1.92451 1.92656
44. 13. 0.91964 2.23997	129. 3. 1.68117 1.74408	490. 3. 1.84348 1.85987	1950. 3. 1.92349 1.92759
44. 14. 0.86856 2.31237	129. 4. 1.66526 1.76032	490. 4. 1.83937 1.86399	1950. 4. 1.92246 1.92862
44. 15. 0.81787 2.38581	129. 5. 1.64917 1.77685	490. 5. 1.83523 1.86814	1950. 5. 1.92142 1.92965
44. 16. 0.76771 2.46011	129. 6. 1.63293 1.79366	490. 6. 1.83109 1.87231	1950. 6. 1.92040 1.93068
44. 17. 0.71822 2.53505	129. 7. 1.61651 1.81073	490. 7. 1.82693 1.87649	1950. 7. 1.91937 1.93171
44. 18. 0.66953 2.61043	129. 8. 1.59992 1.82808	490. 8. 1.82275 1.88069	1950. 8. 1.91833 1.93274
44. 19. 0.62177 2.68601	129. 9. 1.58319 1.84571	490. 9. 1.81857 1.88491	1950. 9. 1.91730 1.93377
44. 20. 0.57507 2.76161	129. 10. 1.56630 1.86359	490. 10. 1.81437 1.88915	1950. 10. 1.91627 1.93482
44. 21. 0.52954 2.83698	129. 11. 1.54927 1.88173	490. 11. 1.81015 1.89340	1950. 11. 1.91523 1.93585
45. 2. 1.47538 1.56602	129. 12. 1.53209 1.90013	490. 12. 1.80592 1.89767	1950. 12. 1.91419 1.93688
45. 3. 1.42980 1.61482	129. 13. 1.51478 1.91878	490. 13. 1.80167 1.90197	1950. 13. 1.91316 1.93793
45. 4. 1.38320 1.66618	129. 14. 1.49733 1.93768	490. 14. 1.79741 1.90628	1950. 14. 1.91212 1.93896
45. 5. 1.33571 1.71999	129. 15. 1.47975 1.95682	490. 15. 1.79314 1.91059	1950. 15. 1.91108 1.94000
45. 6. 1.28744 1.77618	129. 16. 1.46206 1.97619	490. 16. 1.78885 1.91494	1950. 16. 1.91005 1.94105
45. 7. 1.23849 1.83462	129. 17. 1.44424 1.99579	490. 17. 1.78456 1.91930	1950. 17. 1.90900 1.94209
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45. 13. 0.93765 2.22524	130. 3. 1.68250 1.74492	500. 3. 1.84513 1.86119	2000. 3. 1.92447 1.92847
45. 14. 0.88750 2.29558	130. 4. 1.66672 1.76103	500. 4. 1.84110 1.86523	2000. 4. 1.92347 1.92947
45. 15. 0.83769 2.36698	130. 5. 1.65076 1.77743	500. 5. 1.83705 1.86929	2000. 5. 1.92246 1.93049
45. 16. 0.78833 2.43924	130. 6. 1.63464 1.79409	500. 6. 1.83298 1.87337	2000. 6. 1.92146 1.93149
45. 17. 0.73955 2.51218	130. 7. 1.61836 1.81103	500. 7. 1.82892 1.87747	2000. 7. 1.92046 1.93249
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46. 2. 1.48136 1.56999	130. 12. 1.53462 1.89965	500. 12. 1.80834 1.89821	2000. 12. 1.91542 1.93753
46. 3. 1.43677 1.61763	130. 13. 1.51745 1.91812	500. 13. 1.80417 1.90242	2000. 13. 1.91441 1.93854
46. 4. 1.39121 1.66769	130. 14. 1.50015 1.93685	500. 14. 1.80001 1.90663	2000. 14. 1.91340 1.93957
46. 5. 1.34477 1.72012	130. 15. 1.48272 1.95580	500. 15. 1.79582 1.91087	2000. 15. 1.91239 1.94058
46. 6. 1.29756 1.77482	130. 16. 1.46516 1.97500	500. 16. 1.79163 1.91512	2000. 16. 1.91137 1.94159
46. 7. 1.24969 1.83167	130. 17. 1.44750 1.99442	500. 17. 1.78742 1.91938	2000. 17. 1.91036 1.94261
46. 8. 1.20127 1.89058	130. 18. 1.42972 2.01407	500. 18. 1.78319 1.92368	2000. 18. 1.90934 1.94363
46. 9. 1.15242 1.95141	130. 19. 1.41184 2.03393	500. 19. 1.77896 1.92798	2000. 19. 1.90833 1.94464
46. 10. 1.10325 2.01404	130. 20. 1.39386 2.05401	500. 20. 1.77471 1.93229	2000. 20. 1.90731 1.94566
46. 11. 1.05388 2.07834	130. 21. 1.37577 2.07430	500. 21. 1.77044 1.93663	2000. 21. 1.90629 1.94668
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46. 16. 0.80825 2.41950	131. 6. 1.63633 1.79452		
46. 17. 0.76020 2.49051	131. 7. 1.62017 1.81132		

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