

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

**T=6 to 100, K=2 to 21 (K ≤ T-4)**

K includes intercept

T	K	dL	dU
6.	2.	0.61018	1.40015
7.	2.	0.69955	1.35635
7.	3.	0.46723	1.89636
8.	2.	0.76290	1.33238
8.	3.	0.55907	1.77711
8.	4.	0.36744	2.28664
9.	2.	0.82428	1.31988
9.	3.	0.62910	1.69926
9.	4.	0.45476	2.12816
9.	5.	0.29571	2.58810
10.	2.	0.87913	1.31971
10.	3.	0.69715	1.64134
10.	4.	0.52534	2.01632
10.	5.	0.37602	2.41365
10.	6.	0.24269	2.82165
11.	2.	0.92733	1.32409
11.	3.	0.75798	1.60439
11.	4.	0.59477	1.92802
11.	5.	0.44406	2.28327
11.	6.	0.31549	2.64456
11.	7.	0.20253	3.00447
12.	2.	0.97076	1.33137
12.	3.	0.81221	1.57935
12.	4.	0.65765	1.86397
12.	5.	0.51198	2.17662
12.	6.	0.37956	2.50609
12.	7.	0.26813	2.83196
12.	8.	0.17144	3.14940
13.	2.	1.00973	1.34040
13.	3.	0.86124	1.56212
13.	4.	0.71465	1.81593
13.	5.	0.57446	2.09428
13.	6.	0.44448	2.38967
13.	7.	0.32775	2.69204
13.	8.	0.23049	2.98506
13.	9.	0.14693	3.26577
14.	2.	1.04495	1.35027
14.	3.	0.90544	1.55066
14.	4.	0.76666	1.77882
14.	5.	0.63206	2.02955
14.	6.	0.50516	2.29593
14.	7.	0.38897	2.57158
14.	8.	0.28559	2.84769
14.	9.	0.20013	3.11121
14.	10.	0.12726	3.36038
15.	2.	1.07697	1.36054
15.	3.	0.94554	1.54318
15.	4.	0.81396	1.75014
15.	5.	0.68519	1.97735

15.	6.	0.56197	2.21981
15.	7.	0.44707	2.47148
15.	8.	0.34290	2.72698
15.	9.	0.25090	2.97866
15.	10.	0.17531	3.21604
15.	11.	0.11127	3.43819
16.	2.	1.10617	1.37092
16.	3.	0.98204	1.53860
16.	4.	0.85718	1.72773
16.	5.	0.73400	1.93506
16.	6.	0.61495	2.15672
16.	7.	0.50223	2.38813
16.	8.	0.39805	2.62409
16.	9.	0.30433	2.86009
16.	10.	0.22206	3.08954
16.	11.	0.15479	3.30391
16.	12.	0.09809	3.50287
17.	2.	1.13295	1.38122
17.	3.	1.01543	1.53614
17.	4.	0.89675	1.71009
17.	5.	0.77898	1.90047
17.	6.	0.66414	2.10414
17.	7.	0.55423	2.31755
17.	8.	0.45107	2.53660
17.	9.	0.35639	2.75688
17.	10.	0.27177	2.97455
17.	11.	0.19784	3.18400
17.	12.	0.13763	3.37817
17.	13.	0.08711	3.55716
18.	2.	1.15759	1.39133
18.	3.	1.04607	1.53525
18.	4.	0.93310	1.69614
18.	5.	0.82044	1.87189
18.	6.	0.70984	2.06000
18.	7.	0.60301	2.25750
18.	8.	0.50158	2.46122
18.	9.	0.40702	2.66753
18.	10.	0.32076	2.87268
18.	11.	0.24405	3.07345
18.	12.	0.17732	3.26497
18.	13.	0.12315	3.44141
18.	14.	0.07786	3.60315
19.	2.	1.18037	1.40118
19.	3.	1.07430	1.53553
19.	4.	0.96659	1.68509
19.	5.	0.85876	1.84815
19.	6.	0.75231	2.02262
19.	7.	0.64870	2.20614
19.	8.	0.54938	2.39602
19.	9.	0.45571	2.58939
19.	10.	0.36889	2.78312
19.	11.	0.29008	2.97399
19.	12.	0.22029	3.15930
19.	13.	0.15979	3.33481
19.	14.	0.11082	3.49566
19.	15.	0.07001	3.64241
20.	2.	1.20149	1.41073

20.	3.	1.10040	1.53668
20.	4.	0.99755	1.67634
20.	5.	0.89425	1.82828
20.	6.	0.79179	1.99079
20.	7.	0.69146	2.16189
20.	8.	0.59454	2.33937
20.	9.	0.50220	2.52082
20.	10.	0.41559	2.70374
20.	11.	0.33571	2.88535
20.	12.	0.26349	3.06292
20.	13.	0.19978	3.23417
20.	14.	0.14472	3.39540
20.	15.	0.10024	3.54250
20.	16.	0.06327	3.67619
21.	2.	1.22115	1.41997
21.	3.	1.12461	1.53849
21.	4.	1.02624	1.66942
21.	5.	0.92719	1.81157
21.	6.	0.82856	1.96350
21.	7.	0.73149	2.12355
21.	8.	0.63710	2.28988
21.	9.	0.54645	2.46051
21.	10.	0.46055	2.63324
21.	11.	0.38035	2.80588
21.	12.	0.30669	2.97600
21.	13.	0.24033	3.14129
21.	14.	0.18198	3.29979
21.	15.	0.13166	3.44827
21.	16.	0.09111	3.58322
21.	17.	0.05747	3.70544
22.	2.	1.23949	1.42888
22.	3.	1.14713	1.54079
22.	4.	1.05292	1.66398
22.	5.	0.95783	1.79744
22.	6.	0.86285	1.93996
22.	7.	0.76898	2.09015
22.	8.	0.67719	2.24646
22.	9.	0.58843	2.40718
22.	10.	0.50363	2.57051
22.	11.	0.42363	2.73452
22.	12.	0.34926	2.89726
22.	13.	0.28119	3.05662
22.	14.	0.22003	3.21061
22.	15.	0.16642	3.35756
22.	16.	0.12028	3.49463
22.	17.	0.08315	3.61880
22.	18.	0.05242	3.73092
23.	2.	1.25665	1.43747
23.	3.	1.16815	1.54346
23.	4.	1.07778	1.65974
23.	5.	0.98639	1.78546
23.	6.	0.89488	1.91958
23.	7.	0.80410	2.06093
23.	8.	0.71493	2.20816
23.	9.	0.62821	2.35988
23.	10.	0.54478	2.51449
23.	11.	0.46541	2.67038

23.	12.	0.39083	2.82585
23.	13.	0.32172	2.97919
23.	14.	0.25866	3.12852
23.	15.	0.20216	3.27216
23.	16.	0.15274	3.40865
23.	17.	0.11029	3.53549
23.	18.	0.07619	3.65007
23.	19.	0.04801	3.75327
24.	2.	1.27276	1.44575
24.	3.	1.18781	1.54639
24.	4.	1.10100	1.65649
24.	5.	1.01309	1.77526
24.	6.	0.92486	1.90184
24.	7.	0.83706	2.03522
24.	8.	0.75048	2.17427
24.	9.	0.66589	2.31774
24.	10.	0.58400	2.46431
24.	11.	0.50554	2.61260
24.	12.	0.43119	2.76111
24.	13.	0.36156	2.90835
24.	14.	0.29723	3.05282
24.	15.	0.23869	3.19285
24.	16.	0.18635	3.32700
24.	17.	0.14066	3.45402
24.	18.	0.10150	3.57167
24.	19.	0.07006	3.67769
24.	20.	0.04413	3.77297
25.	2.	1.28791	1.45371
25.	3.	1.20625	1.54954
25.	4.	1.12276	1.65403
25.	5.	1.03811	1.76655
25.	6.	0.95297	1.88634
25.	7.	0.86803	2.01252
25.	8.	0.78400	2.14412
25.	9.	0.70154	2.28007
25.	10.	0.62133	2.41924
25.	11.	0.54401	2.56041
25.	12.	0.47019	2.70229
25.	13.	0.40046	2.84360
25.	14.	0.33536	2.98300
25.	15.	0.27536	3.11913
25.	16.	0.22090	3.25058
25.	17.	0.17231	3.37604
25.	18.	0.12995	3.49447
25.	19.	0.09371	3.60384
25.	20.	0.06465	3.70220
25.	21.	0.04070	3.79041
26.	2.	1.30219	1.46139
26.	3.	1.22358	1.55281
26.	4.	1.14319	1.65225
26.	5.	1.06158	1.75911
26.	6.	0.97937	1.87274
26.	7.	0.89717	1.99240
26.	8.	0.81561	2.11722
26.	9.	0.73529	2.24629
26.	10.	0.65683	2.37862
26.	11.	0.58079	2.51315

26.	12.	0.50775	2.64877
26.	13.	0.43825	2.78436
26.	14.	0.37279	2.91872
26.	15.	0.31182	3.05067
26.	16.	0.25578	3.17904
26.	17.	0.20499	3.30253
26.	18.	0.15977	3.42006
26.	19.	0.12041	3.53067
26.	20.	0.08677	3.63257
26.	21.	0.05983	3.72404
27.	2.	1.31568	1.46878
27.	3.	1.23991	1.55620
27.	4.	1.16239	1.65101
27.	5.	1.08364	1.75274
27.	6.	1.00421	1.86079
27.	7.	0.92463	1.97449
27.	8.	0.84546	2.09313
27.	9.	0.76726	2.21588
27.	10.	0.69057	2.34190
27.	11.	0.61593	2.47026
27.	12.	0.54385	2.59997
27.	13.	0.47482	2.73007
27.	14.	0.40933	2.85950
27.	15.	0.34780	2.98721
27.	16.	0.29062	3.11215
27.	17.	0.23816	3.23327
27.	18.	0.19072	3.34944
27.	19.	0.14853	3.45967
27.	20.	0.11188	3.56318
27.	21.	0.08057	3.65833
28.	2.	1.32844	1.47589
28.	3.	1.25534	1.55964
28.	4.	1.18051	1.65025
28.	5.	1.10444	1.74728
28.	6.	1.02762	1.85022
28.	7.	0.95052	1.95851
28.	8.	0.87366	2.07148
28.	9.	0.79754	2.18844
28.	10.	0.72265	2.30862
28.	11.	0.64947	2.43122
28.	12.	0.57848	2.55540
28.	13.	0.51013	2.68025
28.	14.	0.44486	2.80489
28.	15.	0.38308	2.92838
28.	16.	0.32517	3.04976
28.	17.	0.27146	3.16812
28.	18.	0.22228	3.28249
28.	19.	0.17787	3.39189
28.	20.	0.13843	3.49546
28.	21.	0.10421	3.59248
29.	2.	1.34054	1.48275
29.	3.	1.26992	1.56312
29.	4.	1.19762	1.64987
29.	5.	1.12407	1.74260
29.	6.	1.04971	1.84088
29.	7.	0.97499	1.94420
29.	8.	0.90036	2.05196

29.	9.	0.82626	2.16358
29.	10.	0.75316	2.27837
29.	11.	0.68148	2.39562
29.	12.	0.61166	2.51459
29.	13.	0.54413	2.63447
29.	14.	0.47929	2.75449
29.	15.	0.41753	2.87381
29.	16.	0.35918	2.99160
29.	17.	0.30461	3.10700
29.	18.	0.25409	3.21917
29.	19.	0.20790	3.32728
29.	20.	0.16625	3.43042
29.	21.	0.12931	3.52786
30.	2.	1.35204	1.48936
30.	3.	1.28373	1.56661
30.	4.	1.21380	1.64981
30.	5.	1.14262	1.73860
30.	6.	1.07060	1.83259
30.	7.	0.99815	1.93133
30.	8.	0.92564	2.03432
30.	9.	0.85351	2.14102
30.	10.	0.78217	2.25080
30.	11.	0.71202	2.36307
30.	12.	0.64345	2.47714
30.	13.	0.57685	2.59233
30.	14.	0.51259	2.70793
30.	15.	0.45105	2.82319
30.	16.	0.39255	2.93738
30.	17.	0.33740	3.04971
30.	18.	0.28590	3.15946
30.	19.	0.23830	3.26584
30.	20.	0.19485	3.36811
30.	21.	0.15572	3.46549
31.	2.	1.36298	1.49574
31.	3.	1.29685	1.57011
31.	4.	1.22915	1.65002
31.	5.	1.16021	1.73518
31.	6.	1.09040	1.82522
31.	7.	1.02008	1.91976
31.	8.	0.94962	2.01834
31.	9.	0.87940	2.12046
31.	10.	0.80979	2.22562
31.	11.	0.74115	2.33323
31.	12.	0.67387	2.44273
31.	13.	0.60828	2.55347
31.	14.	0.54474	2.66484
31.	15.	0.48358	2.77618
31.	16.	0.42513	2.88680
31.	17.	0.36966	2.99604
31.	18.	0.31748	3.10322
31.	19.	0.26882	3.20762
31.	20.	0.22392	3.30859
31.	21.	0.18298	3.40545
32.	2.	1.37340	1.50190
32.	3.	1.30932	1.57358
32.	4.	1.24371	1.65046
32.	5.	1.17688	1.73226

32.	6.	1.10916	1.81867
32.	7.	1.04088	1.90931
32.	8.	0.97239	2.00381
32.	9.	0.90401	2.10171
32.	10.	0.83609	2.20255
32.	11.	0.76897	2.30583
32.	12.	0.70299	2.41102
32.	13.	0.63847	2.51758
32.	14.	0.57573	2.62493
32.	15.	0.51510	2.73248
32.	16.	0.45685	2.83963
32.	17.	0.40129	2.94576
32.	18.	0.34866	3.05028
32.	19.	0.29923	3.15253
32.	20.	0.25319	3.25193
32.	21.	0.21078	3.34784
33.	2.	1.38335	1.50784
33.	3.	1.32119	1.57703
33.	4.	1.25756	1.65110
33.	5.	1.19272	1.72978
33.	6.	1.12698	1.81282
33.	7.	1.06065	1.89986
33.	8.	0.99402	1.99057
33.	9.	0.92743	2.08455
33.	10.	0.86115	2.18137
33.	11.	0.79554	2.28061
33.	12.	0.73086	2.38177
33.	13.	0.66745	2.48437
33.	14.	0.60559	2.58789
33.	15.	0.54558	2.69181
33.	16.	0.48769	2.79558
33.	17.	0.43219	2.89865
33.	18.	0.37933	3.00046
33.	19.	0.32935	3.10046
33.	20.	0.28246	3.19808
33.	21.	0.23887	3.29275
34.	2.	1.39285	1.51358
34.	3.	1.33251	1.58045
34.	4.	1.27074	1.65189
34.	5.	1.20779	1.72770
34.	6.	1.14393	1.80758
34.	7.	1.07944	1.89129
34.	8.	1.01462	1.97849
34.	9.	0.94973	2.06882
34.	10.	0.88506	2.16190
34.	11.	0.82091	2.25735
34.	12.	0.75755	2.35473
34.	13.	0.69527	2.45359
34.	14.	0.63433	2.55348
34.	15.	0.57503	2.65392
34.	16.	0.51760	2.75442
34.	17.	0.46231	2.85449
34.	18.	0.40939	2.95361
34.	19.	0.35907	3.05127
34.	20.	0.31155	3.14697
34.	21.	0.26704	3.24020
35.	2.	1.40194	1.51914

35.	3.	1.34332	1.58382
35.	4.	1.28330	1.65282
35.	5.	1.22214	1.72593
35.	6.	1.16007	1.80292
35.	7.	1.09735	1.88351
35.	8.	1.03424	1.96743
35.	9.	0.97099	2.05436
35.	10.	0.90788	2.14395
35.	11.	0.84516	2.23585
35.	12.	0.78311	2.32966
35.	13.	0.72197	2.42501
35.	14.	0.66200	2.52146
35.	15.	0.60346	2.61858
35.	16.	0.54659	2.71593
35.	17.	0.49162	2.81306
35.	18.	0.43878	2.90951
35.	19.	0.38829	3.00481
35.	20.	0.34034	3.09851
35.	21.	0.29513	3.19013
36.	2.	1.41065	1.52451
36.	3.	1.35365	1.58716
36.	4.	1.29530	1.65387
36.	5.	1.23583	1.72447
36.	6.	1.17545	1.79873
36.	7.	1.11441	1.87643
36.	8.	1.05294	1.95730
36.	9.	0.99128	2.04104
36.	10.	0.92967	2.12737
36.	11.	0.86836	2.21594
36.	12.	0.80759	2.30642
36.	13.	0.74759	2.39844
36.	14.	0.68861	2.49162
36.	15.	0.63089	2.58557
36.	16.	0.57463	2.67990
36.	17.	0.52008	2.77418
36.	18.	0.46745	2.86800
36.	19.	0.41692	2.96095
36.	20.	0.36871	3.05259
36.	21.	0.32299	3.14249
37.	2.	1.41900	1.52971
37.	3.	1.36354	1.59044
37.	4.	1.30678	1.65501
37.	5.	1.24891	1.72327
37.	6.	1.19014	1.79499
37.	7.	1.13071	1.86998
37.	8.	1.07081	1.94799
37.	9.	1.01066	2.02876
37.	10.	0.95051	2.11203
37.	11.	0.89057	2.19749
37.	12.	0.83105	2.28481
37.	13.	0.77219	2.37369
37.	14.	0.71421	2.46378
37.	15.	0.65734	2.55471
37.	16.	0.60177	2.64613
37.	17.	0.54771	2.73765
37.	18.	0.49537	2.82891
37.	19.	0.44494	2.91951



37.	20.	0.39661	3.00907
37.	21.	0.35054	3.09719
38.	2.	1.42702	1.53475
38.	3.	1.37301	1.59368
38.	4.	1.31774	1.65625
38.	5.	1.26140	1.72229
38.	6.	1.20418	1.79164
38.	7.	1.14627	1.86409
38.	8.	1.08787	1.93942
38.	9.	1.02919	2.01742
38.	10.	0.97045	2.09782
38.	11.	0.91183	2.18033
38.	12.	0.85356	2.26470
38.	13.	0.79583	2.35061
38.	14.	0.73886	2.43775
38.	15.	0.68284	2.52581
38.	16.	0.62799	2.61444
38.	17.	0.57448	2.70332
38.	18.	0.52253	2.79207
38.	19.	0.47229	2.88036
38.	20.	0.42396	2.96784
38.	21.	0.37769	3.05412
39.	2.	1.43473	1.53963
39.	3.	1.38210	1.59686
39.	4.	1.32827	1.65754
39.	5.	1.27338	1.72152
39.	6.	1.21761	1.78863
39.	7.	1.16116	1.85870
39.	8.	1.10419	1.93153
39.	9.	1.04692	2.00692
39.	10.	0.98953	2.08460
39.	11.	0.93220	2.16437
39.	12.	0.87514	2.24594
39.	13.	0.81853	2.32904
39.	14.	0.76257	2.41340
39.	15.	0.70743	2.49872
39.	16.	0.65333	2.58469
39.	17.	0.60044	2.67100
39.	18.	0.54891	2.75733
39.	19.	0.49896	2.84336
39.	20.	0.45072	2.92876
39.	21.	0.40437	3.01320
40.	2.	1.44214	1.54436
40.	3.	1.39083	1.59999
40.	4.	1.33835	1.65889
40.	5.	1.28484	1.72092
40.	6.	1.23047	1.78594
40.	7.	1.17541	1.85378
40.	8.	1.11983	1.92426
40.	9.	1.06391	1.99717
40.	10.	1.00782	2.07233
40.	11.	0.95174	2.14950
40.	12.	0.89585	2.22843
40.	13.	0.84035	2.30888
40.	14.	0.78539	2.39060
40.	15.	0.73115	2.47330
40.	16.	0.67782	2.55672

40.	17.	0.62556	2.64056
40.	18.	0.57454	2.72455
40.	19.	0.52492	2.80836
40.	20.	0.47687	2.89172
40.	21.	0.43054	2.97431
41.	2.	1.44927	1.54895
41.	3.	1.39922	1.60307
41.	4.	1.34803	1.66028
41.	5.	1.29584	1.72048
41.	6.	1.24280	1.78353
41.	7.	1.18907	1.84926
41.	8.	1.13481	1.91753
41.	9.	1.08019	1.98813
41.	10.	1.02536	2.06089
41.	11.	0.97050	2.13561
41.	12.	0.91576	2.21204
41.	13.	0.86132	2.28998
41.	14.	0.80736	2.36919
41.	15.	0.75402	2.44941
41.	16.	0.70146	2.53039
41.	17.	0.64987	2.61187
41.	18.	0.59940	2.69358
41.	19.	0.55018	2.77525
41.	20.	0.50238	2.85660
41.	21.	0.45615	2.93734
42.	2.	1.45615	1.55340
42.	3.	1.40730	1.60608
42.	4.	1.35733	1.66172
42.	5.	1.30640	1.72019
42.	6.	1.25463	1.78137
42.	7.	1.20218	1.84512
42.	8.	1.14918	1.91130
42.	9.	1.09581	1.97972
42.	10.	1.04219	2.05023
42.	11.	0.98851	2.12262
42.	12.	0.93489	2.19670
42.	13.	0.88151	2.27227
42.	14.	0.82852	2.34909
42.	15.	0.77607	2.42694
42.	16.	0.72431	2.50558
42.	17.	0.67341	2.58480
42.	18.	0.62350	2.66432
42.	19.	0.57474	2.74389
42.	20.	0.52726	2.82328
42.	21.	0.48121	2.90220
43.	2.	1.46278	1.55773
43.	3.	1.41507	1.60905
43.	4.	1.36629	1.66319
43.	5.	1.31655	1.72002
43.	6.	1.26600	1.77944
43.	7.	1.21476	1.84132
43.	8.	1.16298	1.90552
43.	9.	1.11080	1.97189
43.	10.	1.05837	2.04027
43.	11.	1.00581	2.11047
43.	12.	0.95328	2.18231
43.	13.	0.90093	2.25562

43.	14.	0.84891	2.33017
43.	15.	0.79734	2.40577
43.	16.	0.74639	2.48220
43.	17.	0.69619	2.55922
43.	18.	0.64688	2.63664
43.	19.	0.59860	2.71419
43.	20.	0.55149	2.79164
43.	21.	0.50568	2.86878
44.	2.	1.46920	1.56193
44.	3.	1.42257	1.61196
44.	4.	1.37490	1.66467
44.	5.	1.32631	1.71996
44.	6.	1.27692	1.77772
44.	7.	1.22685	1.83784
44.	8.	1.17624	1.90017
44.	9.	1.12522	1.96460
44.	10.	1.07390	2.03095
44.	11.	1.02245	2.09907
44.	12.	0.97099	2.16881
44.	13.	0.91964	2.23997
44.	14.	0.86856	2.31237
44.	15.	0.81787	2.38581
44.	16.	0.76771	2.46011
44.	17.	0.71822	2.53505
44.	18.	0.66953	2.61043
44.	19.	0.62177	2.68601
44.	20.	0.57507	2.76161
44.	21.	0.52954	2.83698
45.	2.	1.47538	1.56602
45.	3.	1.42980	1.61482
45.	4.	1.38320	1.66618
45.	5.	1.33571	1.71999
45.	6.	1.28744	1.77618
45.	7.	1.23849	1.83462
45.	8.	1.18899	1.89520
45.	9.	1.13907	1.95778
45.	10.	1.08886	2.02222
45.	11.	1.03846	2.08839
45.	12.	0.98802	2.15611
45.	13.	0.93765	2.22524
45.	14.	0.88750	2.29558
45.	15.	0.83769	2.36698
45.	16.	0.78833	2.43924
45.	17.	0.73955	2.51218
45.	18.	0.69149	2.58559
45.	19.	0.64427	2.65929
45.	20.	0.59801	2.73306
45.	21.	0.55282	2.80672
46.	2.	1.48136	1.56999
46.	3.	1.43677	1.61763
46.	4.	1.39121	1.66769
46.	5.	1.34477	1.72012
46.	6.	1.29756	1.77482
46.	7.	1.24969	1.83167
46.	8.	1.20127	1.89058
46.	9.	1.15242	1.95141
46.	10.	1.10325	2.01404

46.	11.	1.05388	2.07834
46.	12.	1.00443	2.14416
46.	13.	0.95503	2.21134
46.	14.	0.90578	2.27974
46.	15.	0.85681	2.34918
46.	16.	0.80825	2.41950
46.	17.	0.76020	2.49051
46.	18.	0.71278	2.56205
46.	19.	0.66611	2.63391
46.	20.	0.62032	2.70593
46.	21.	0.57550	2.77790
47.	2.	1.48715	1.57386
47.	3.	1.44352	1.62038
47.	4.	1.39894	1.66923
47.	5.	1.35350	1.72033
47.	6.	1.30731	1.77361
47.	7.	1.26047	1.82895
47.	8.	1.21309	1.88627
47.	9.	1.16526	1.94545
47.	10.	1.11710	2.00636
47.	11.	1.06873	2.06889
47.	12.	1.02026	2.13290
47.	13.	0.97178	2.19824
47.	14.	0.92342	2.26478
47.	15.	0.87529	2.33235
47.	16.	0.82751	2.40080
47.	17.	0.78018	2.46998
47.	18.	0.73341	2.53970
47.	19.	0.68732	2.60980
47.	20.	0.64200	2.68011
47.	21.	0.59759	2.75044
48.	2.	1.49275	1.57762
48.	3.	1.45004	1.62308
48.	4.	1.40640	1.67076
48.	5.	1.36192	1.72061
48.	6.	1.31672	1.77253
48.	7.	1.27087	1.82645
48.	8.	1.22447	1.88226
48.	9.	1.17764	1.93987
48.	10.	1.13046	1.99915
48.	11.	1.08306	2.05999
48.	12.	1.03552	2.12227
48.	13.	0.98794	2.18586
48.	14.	0.94045	2.25062
48.	15.	0.89314	2.31641
48.	16.	0.84614	2.38309
48.	17.	0.79951	2.45049
48.	18.	0.75340	2.51847
48.	19.	0.70789	2.58687
48.	20.	0.66309	2.65552
48.	21.	0.61909	2.72427
49.	2.	1.49819	1.58129
49.	3.	1.45635	1.62573
49.	4.	1.41362	1.67230
49.	5.	1.37007	1.72095
49.	6.	1.32580	1.77159
49.	7.	1.28090	1.82415

49.	8.	1.23546	1.87852
49.	9.	1.18958	1.93463
49.	10.	1.14336	1.99236
49.	11.	1.09687	2.05160
49.	12.	1.05024	2.11224
49.	13.	1.00354	2.17415
49.	14.	0.95690	2.23723
49.	15.	0.91040	2.30131
49.	16.	0.86415	2.36628
49.	17.	0.81824	2.43199
49.	18.	0.77278	2.49829
49.	19.	0.72786	2.56505
49.	20.	0.68358	2.63211
49.	21.	0.64003	2.69930
50.	2.	1.50345	1.58486
50.	3.	1.46246	1.62833
50.	4.	1.42059	1.67385
50.	5.	1.37793	1.72135
50.	6.	1.33457	1.77077
50.	7.	1.29059	1.82203
50.	8.	1.24607	1.87504
50.	9.	1.20110	1.92972
50.	10.	1.15579	1.98597
50.	11.	1.11021	2.04368
50.	12.	1.06445	2.10276
50.	13.	1.01862	2.16307
50.	14.	0.97280	2.22452
50.	15.	0.92709	2.28698
50.	16.	0.88159	2.35032
50.	17.	0.83638	2.41440
50.	18.	0.79156	2.47910
50.	19.	0.74723	2.54428
50.	20.	0.70348	2.60978
50.	21.	0.66040	2.67548
51.	2.	1.50856	1.58835
51.	3.	1.46838	1.63088
51.	4.	1.42734	1.67538
51.	5.	1.38554	1.72179
51.	6.	1.34305	1.77005
51.	7.	1.29995	1.82007
51.	8.	1.25632	1.87178
51.	9.	1.21224	1.92510
51.	10.	1.16780	1.97994
51.	11.	1.12308	2.03620
51.	12.	1.07818	2.09378
51.	13.	1.03319	2.15258
51.	14.	0.98817	2.21249
51.	15.	0.94324	2.27338
51.	16.	0.89847	2.33515
51.	17.	0.85396	2.39767
51.	18.	0.80978	2.46083
51.	19.	0.76604	2.52448
51.	20.	0.72282	2.58848
51.	21.	0.68021	2.65272
52.	2.	1.51352	1.59174
52.	3.	1.47410	1.63339
52.	4.	1.43388	1.67692

52.	5.	1.39290	1.72228
52.	6.	1.35124	1.76942
52.	7.	1.30899	1.81827
52.	8.	1.26622	1.86874
52.	9.	1.22299	1.92076
52.	10.	1.17941	1.97426
52.	11.	1.13553	2.02913
52.	12.	1.09146	2.08528
52.	13.	1.04727	2.14263
52.	14.	1.00304	2.20106
52.	15.	0.95887	2.26046
52.	16.	0.91481	2.32074
52.	17.	0.87099	2.38176
52.	18.	0.82745	2.44341
52.	19.	0.78431	2.50559
52.	20.	0.74163	2.56816
52.	21.	0.69949	2.63099
53.	2.	1.51833	1.59505
53.	3.	1.47967	1.63585
53.	4.	1.44022	1.67845
53.	5.	1.40002	1.72282
53.	6.	1.35918	1.76890
53.	7.	1.31774	1.81661
53.	8.	1.27579	1.86590
53.	9.	1.23340	1.91668
53.	10.	1.19063	1.96889
53.	11.	1.14757	2.02244
53.	12.	1.10430	2.07723
53.	13.	1.06090	2.13318
53.	14.	1.01743	2.19019
53.	15.	0.97399	2.24817
53.	16.	0.93065	2.30700
53.	17.	0.88749	2.36659
53.	18.	0.84459	2.42682
53.	19.	0.80204	2.48757
53.	20.	0.75990	2.54874
53.	21.	0.71826	2.61021
54.	2.	1.52300	1.59829
54.	3.	1.48506	1.63825
54.	4.	1.44636	1.67998
54.	5.	1.40693	1.72339
54.	6.	1.36687	1.76844
54.	7.	1.32622	1.81508
54.	8.	1.28506	1.86324
54.	9.	1.24345	1.91283
54.	10.	1.20149	1.96381
54.	11.	1.15921	2.01609
54.	12.	1.11672	2.06959
54.	13.	1.07408	2.12420
54.	14.	1.03136	2.17987
54.	15.	0.98864	2.23647
54.	16.	0.94600	2.29392
54.	17.	0.90349	2.35213
54.	18.	0.86122	2.41097
54.	19.	0.81925	2.47036
54.	20.	0.77766	2.53019
54.	21.	0.73651	2.59033

55.	2.	1.52755	1.60144
55.	3.	1.49031	1.64062
55.	4.	1.45232	1.68149
55.	5.	1.41362	1.72399
55.	6.	1.37431	1.76807
55.	7.	1.33442	1.81368
55.	8.	1.29403	1.86074
55.	9.	1.25319	1.90921
55.	10.	1.21199	1.95902
55.	11.	1.17049	2.01008
55.	12.	1.12875	2.06233
55.	13.	1.08685	2.11568
55.	14.	1.04485	2.17003
55.	15.	1.00284	2.22532
55.	16.	0.96087	2.28146
55.	17.	0.91902	2.33833
55.	18.	0.87736	2.39585
55.	19.	0.83597	2.45392
55.	20.	0.79492	2.51244
55.	21.	0.75427	2.57131
56.	2.	1.53197	1.60452
56.	3.	1.49541	1.64295
56.	4.	1.45810	1.68300
56.	5.	1.42012	1.72461
56.	6.	1.38152	1.76776
56.	7.	1.34237	1.81238
56.	8.	1.30271	1.85841
56.	9.	1.26263	1.90579
56.	10.	1.22217	1.95448
56.	11.	1.18141	2.00438
56.	12.	1.14040	2.05542
56.	13.	1.09922	2.10755
56.	14.	1.05793	2.16067
56.	15.	1.01659	2.21470
56.	16.	0.97530	2.26956
56.	17.	0.93408	2.32515
56.	18.	0.89304	2.38140
56.	19.	0.85222	2.43820
56.	20.	0.81170	2.49546
56.	21.	0.77155	2.55309
57.	2.	1.53628	1.60754
57.	3.	1.50036	1.64524
57.	4.	1.46372	1.68449
57.	5.	1.42642	1.72526
57.	6.	1.38852	1.76751
57.	7.	1.35008	1.81119
57.	8.	1.31114	1.85622
57.	9.	1.27177	1.90257
57.	10.	1.23203	1.95018
57.	11.	1.19198	1.99896
57.	12.	1.15168	2.04887
57.	13.	1.11121	2.09982
57.	14.	1.07060	2.15175
57.	15.	1.02994	2.20456
57.	16.	0.98929	2.25820
57.	17.	0.94871	2.31257
57.	18.	0.90825	2.36758

57.	19.	0.86800	2.42316
57.	20.	0.82802	2.47920
57.	21.	0.78836	2.53563
58.	2.	1.54047	1.61048
58.	3.	1.50517	1.64747
58.	4.	1.46918	1.68598
58.	5.	1.43254	1.72594
58.	6.	1.39532	1.76733
58.	7.	1.35755	1.81009
58.	8.	1.31931	1.85418
58.	9.	1.28063	1.89954
58.	10.	1.24159	1.94610
58.	11.	1.20224	1.99382
58.	12.	1.16263	2.04262
58.	13.	1.12283	2.09245
58.	14.	1.08289	2.14323
58.	15.	1.04288	2.19489
58.	16.	1.00287	2.24735
58.	17.	0.96289	2.30054
58.	18.	0.92304	2.35436
58.	19.	0.88335	2.40875
58.	20.	0.84389	2.46362
58.	21.	0.80473	2.51889
59.	2.	1.54455	1.61336
59.	3.	1.50985	1.64967
59.	4.	1.47448	1.68745
59.	5.	1.43848	1.72663
59.	6.	1.40191	1.76720
59.	7.	1.36481	1.80908
59.	8.	1.32723	1.85226
59.	9.	1.28923	1.89665
59.	10.	1.25086	1.94223
59.	11.	1.21218	1.98893
59.	12.	1.17325	2.03668
59.	13.	1.13410	2.08543
59.	14.	1.09482	2.13510
59.	15.	1.05545	2.18564
59.	16.	1.01605	2.23698
59.	17.	0.97668	2.28902
59.	18.	0.93739	2.34171
59.	19.	0.89826	2.39495
59.	20.	0.85932	2.44869
59.	21.	0.82065	2.50283
60.	2.	1.54853	1.61617
60.	3.	1.51442	1.65184
60.	4.	1.47965	1.68891
60.	5.	1.44427	1.72735
60.	6.	1.40832	1.76711
60.	7.	1.37186	1.80817
60.	8.	1.33493	1.85045
60.	9.	1.29758	1.89393
60.	10.	1.25987	1.93856
60.	11.	1.22183	1.98427
60.	12.	1.18354	2.03101
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60.	16.	1.02885	2.22705
60.	17.	0.99007	2.27800
60.	18.	0.95135	2.32958
60.	19.	0.91276	2.38173
60.	20.	0.87435	2.43437
60.	21.	0.83616	2.48742
61.	2.	1.55240	1.61892
61.	3.	1.51886	1.65396
61.	4.	1.48468	1.69035
61.	5.	1.44989	1.72808
61.	6.	1.41455	1.76708
61.	7.	1.37871	1.80732
61.	8.	1.34240	1.84876
61.	9.	1.30568	1.89137
61.	10.	1.26860	1.93507
61.	11.	1.23120	1.97984
61.	12.	1.19355	2.02560
61.	13.	1.15567	2.07232
61.	14.	1.11763	2.11992
61.	15.	1.07950	2.16835
61.	16.	1.04129	2.21755
61.	17.	1.00309	2.26744
61.	18.	0.96492	2.31796
61.	19.	0.92686	2.36904
61.	20.	0.88896	2.42062
61.	21.	0.85126	2.47262
62.	2.	1.55619	1.62161
62.	3.	1.52318	1.65605
62.	4.	1.48957	1.69180
62.	5.	1.45536	1.72881
62.	6.	1.42061	1.76708
62.	7.	1.38536	1.80655
62.	8.	1.34967	1.84718
62.	9.	1.31356	1.88893
62.	10.	1.27709	1.93176
62.	11.	1.24031	1.97561
62.	12.	1.20326	2.02044
62.	13.	1.16599	2.06620
62.	14.	1.12856	2.11282
62.	15.	1.09100	2.16026
62.	16.	1.05338	2.20844
62.	17.	1.01573	2.25732
62.	18.	0.97812	2.30681
62.	19.	0.94058	2.35687
62.	20.	0.90319	2.40742
62.	21.	0.86597	2.45840
63.	2.	1.55987	1.62425
63.	3.	1.52741	1.65810
63.	4.	1.49433	1.69321
63.	5.	1.46068	1.72957
63.	6.	1.42650	1.76712
63.	7.	1.39183	1.80584
63.	8.	1.35672	1.84569
63.	9.	1.32121	1.88663
63.	10.	1.28534	1.92860
63.	11.	1.24915	1.97159
63.	12.	1.21269	2.01552

63.	13.	1.17602	2.06035
63.	14.	1.13917	2.10603
63.	15.	1.10219	2.15250
63.	16.	1.06512	2.19971
63.	17.	1.02803	2.24761
63.	18.	0.99096	2.29612
63.	19.	0.95394	2.34518
63.	20.	0.91703	2.39474
63.	21.	0.88029	2.44473
64.	2.	1.56348	1.62683
64.	3.	1.53152	1.66011
64.	4.	1.49897	1.69463
64.	5.	1.46587	1.73033
64.	6.	1.43223	1.76720
64.	7.	1.39813	1.80520
64.	8.	1.36359	1.84429
64.	9.	1.32865	1.88444
64.	10.	1.29336	1.92561
64.	11.	1.25775	1.96775
64.	12.	1.22188	2.01081
64.	13.	1.18576	2.05475
64.	14.	1.14949	2.09952
64.	15.	1.11306	2.14507
64.	16.	1.07655	2.19134
64.	17.	1.04000	2.23829
64.	18.	1.00345	2.28584
64.	19.	0.96694	2.33395
64.	20.	0.93053	2.38255
64.	21.	0.89425	2.43159
65.	2.	1.56699	1.62936
65.	3.	1.53553	1.66210
65.	4.	1.50349	1.69602
65.	5.	1.47092	1.73110
65.	6.	1.43782	1.76731
65.	7.	1.40426	1.80462
65.	8.	1.37027	1.84298
65.	9.	1.33589	1.88238
65.	10.	1.30115	1.92276
65.	11.	1.26611	1.96408
65.	12.	1.23080	2.00631
65.	13.	1.19525	2.04939
65.	14.	1.15952	2.09329
65.	15.	1.12364	2.13795
65.	16.	1.08767	2.18331
65.	17.	1.05165	2.22934
65.	18.	1.01560	2.27597
65.	19.	0.97960	2.32315
65.	20.	0.94367	2.37083
65.	21.	0.90785	2.41894
66.	2.	1.57043	1.63184
66.	3.	1.53945	1.66404
66.	4.	1.50790	1.69740
66.	5.	1.47583	1.73188
66.	6.	1.44326	1.76745
66.	7.	1.41023	1.80409
66.	8.	1.37677	1.84175
66.	9.	1.34293	1.88041

66.	10.	1.30874	1.92004
66.	11.	1.27424	1.96058
66.	12.	1.23947	2.00200
66.	13.	1.20447	2.04426
66.	14.	1.16928	2.08731
66.	15.	1.13394	2.13110
66.	16.	1.09850	2.17559
66.	17.	1.06298	2.22074
66.	18.	1.02744	2.26648
66.	19.	0.99192	2.31277
66.	20.	0.95646	2.35954
66.	21.	0.92111	2.40676
67.	2.	1.57378	1.63427
67.	3.	1.54328	1.66596
67.	4.	1.51221	1.69877
67.	5.	1.48063	1.73267
67.	6.	1.44856	1.76762
67.	7.	1.41604	1.80360
67.	8.	1.38311	1.84060
67.	9.	1.34979	1.87856
67.	10.	1.31613	1.91744
67.	11.	1.28216	1.95723
67.	12.	1.24792	1.99787
67.	13.	1.21345	2.03934
67.	14.	1.17878	2.08158
67.	15.	1.14396	2.12453
67.	16.	1.10903	2.16819
67.	17.	1.07401	2.21248
67.	18.	1.03897	2.25735
67.	19.	1.00394	2.30277
67.	20.	0.96894	2.34868
67.	21.	0.93402	2.39503
68.	2.	1.57706	1.63665
68.	3.	1.54701	1.66784
68.	4.	1.51642	1.70011
68.	5.	1.48531	1.73345
68.	6.	1.45373	1.76781
68.	7.	1.42171	1.80318
68.	8.	1.38928	1.83952
68.	9.	1.35647	1.87679
68.	10.	1.32332	1.91497
68.	11.	1.28987	1.95403
68.	12.	1.25614	1.99393
68.	13.	1.22218	2.03462
68.	14.	1.18803	2.07606
68.	15.	1.15372	2.11823
68.	16.	1.11929	2.16106
68.	17.	1.08477	2.20453
68.	18.	1.05021	2.24857
68.	19.	1.01563	2.29315
68.	20.	0.98109	2.33822
68.	21.	0.94663	2.38371
69.	2.	1.58027	1.63898
69.	3.	1.55066	1.66970
69.	4.	1.52052	1.70146
69.	5.	1.48988	1.73425
69.	6.	1.45877	1.76803

69.	7.	1.42723	1.80279
69.	8.	1.39529	1.83849
69.	9.	1.36298	1.87512
69.	10.	1.33032	1.91262
69.	11.	1.29737	1.95098
69.	12.	1.26415	1.99014
69.	13.	1.23069	2.03009
69.	14.	1.19704	2.07078
69.	15.	1.16322	2.11216
69.	16.	1.12928	2.15421
69.	17.	1.09524	2.19688
69.	18.	1.06115	2.24012
69.	19.	1.02704	2.28388
69.	20.	0.99295	2.32813
69.	21.	0.95892	2.37281
70.	2.	1.58341	1.64127
70.	3.	1.55422	1.67152
70.	4.	1.52452	1.70278
70.	5.	1.49434	1.73505
70.	6.	1.46369	1.76827
70.	7.	1.43262	1.80245
70.	8.	1.40115	1.83754
70.	9.	1.36932	1.87353
70.	10.	1.33716	1.91037
70.	11.	1.30469	1.94805
70.	12.	1.27196	1.98652
70.	13.	1.23899	2.02574
70.	14.	1.20582	2.06569
70.	15.	1.17249	2.10634
70.	16.	1.13902	2.14762
70.	17.	1.10544	2.18951
70.	18.	1.07182	2.23197
70.	19.	1.03816	2.27495
70.	20.	1.00451	2.31840
70.	21.	0.97091	2.36230
71.	2.	1.58648	1.64352
71.	3.	1.55771	1.67331
71.	4.	1.52844	1.70409
71.	5.	1.49868	1.73584
71.	6.	1.46849	1.76854
71.	7.	1.43787	1.80214
71.	8.	1.40686	1.83664
71.	9.	1.37551	1.87202
71.	10.	1.34381	1.90823
71.	11.	1.31182	1.94524
71.	12.	1.27957	1.98304
71.	13.	1.24707	2.02157
71.	14.	1.21437	2.06081
71.	15.	1.18150	2.10073
71.	16.	1.14851	2.14128
71.	17.	1.11539	2.18242
71.	18.	1.08222	2.22412
71.	19.	1.04900	2.26634
71.	20.	1.01579	2.30903
71.	21.	0.98261	2.35215
72.	2.	1.58949	1.64571
72.	3.	1.56112	1.67507

72.	4.	1.53226	1.70539
72.	5.	1.50293	1.73664
72.	6.	1.47317	1.76881
72.	7.	1.44300	1.80187
72.	8.	1.41245	1.83581
72.	9.	1.38154	1.87059
72.	10.	1.35030	1.90618
72.	11.	1.31877	1.94256
72.	12.	1.28698	1.97970
72.	13.	1.25495	2.01756
72.	14.	1.22272	2.05611
72.	15.	1.19031	2.09532
72.	16.	1.15776	2.13516
72.	17.	1.12510	2.17558
72.	18.	1.09237	2.21655
72.	19.	1.05959	2.25803
72.	20.	1.02680	2.29997
72.	21.	0.99403	2.34236
73.	2.	1.59243	1.64788
73.	3.	1.56446	1.67681
73.	4.	1.53599	1.70667
73.	5.	1.50709	1.73745
73.	6.	1.47775	1.76911
73.	7.	1.44801	1.80164
73.	8.	1.41789	1.83502
73.	9.	1.38743	1.86923
73.	10.	1.35663	1.90422
73.	11.	1.32556	1.93999
73.	12.	1.29421	1.97649
73.	13.	1.26262	2.01370
73.	14.	1.23084	2.05159
73.	15.	1.19889	2.09013
73.	16.	1.16678	2.12927
73.	17.	1.13456	2.16899
73.	18.	1.10226	2.20925
73.	19.	1.06991	2.25001
73.	20.	1.03753	2.29124
73.	21.	1.00517	2.33290
74.	2.	1.59530	1.65001
74.	3.	1.56772	1.67852
74.	4.	1.53966	1.70793
74.	5.	1.51115	1.73825
74.	6.	1.48222	1.76943
74.	7.	1.45289	1.80144
74.	8.	1.42321	1.83429
74.	9.	1.39316	1.86793
74.	10.	1.36281	1.90235
74.	11.	1.33217	1.93752
74.	12.	1.30127	1.97341
74.	13.	1.27013	2.01000
74.	14.	1.23878	2.04724
74.	15.	1.20725	2.08511
74.	16.	1.17559	2.12359
74.	17.	1.14379	2.16263
74.	18.	1.11192	2.20220
74.	19.	1.07998	2.24227
74.	20.	1.04801	2.28280

74.	21.	1.01605	2.32375
75.	2.	1.59813	1.65209
75.	3.	1.57091	1.68020
75.	4.	1.54323	1.70920
75.	5.	1.51511	1.73904
75.	6.	1.48659	1.76975
75.	7.	1.45767	1.80127
75.	8.	1.42840	1.83360
75.	9.	1.39877	1.86670
75.	10.	1.36884	1.90057
75.	11.	1.33863	1.93516
75.	12.	1.30815	1.97046
75.	13.	1.27744	2.00643
75.	14.	1.24652	2.04304
75.	15.	1.21542	2.08028
75.	16.	1.18418	2.11811
75.	17.	1.15281	2.15649
75.	18.	1.12135	2.19540
75.	19.	1.08982	2.23480
75.	20.	1.05825	2.27465
75.	21.	1.02668	2.31492
76.	2.	1.60090	1.65413
76.	3.	1.57404	1.68185
76.	4.	1.54673	1.71043
76.	5.	1.51900	1.73985
76.	6.	1.49086	1.77009
76.	7.	1.46233	1.80113
76.	8.	1.43346	1.83295
76.	9.	1.40425	1.86553
76.	10.	1.37473	1.89886
76.	11.	1.34493	1.93288
76.	12.	1.31488	1.96761
76.	13.	1.28458	2.00299
76.	14.	1.25408	2.03900
76.	15.	1.22340	2.07563
76.	16.	1.19257	2.11283
76.	17.	1.16161	2.15057
76.	18.	1.13056	2.18883
76.	19.	1.09942	2.22757
76.	20.	1.06825	2.26676
76.	21.	1.03706	2.30638
77.	2.	1.60361	1.65614
77.	3.	1.57710	1.68348
77.	4.	1.55015	1.71166
77.	5.	1.52279	1.74065
77.	6.	1.49503	1.77044
77.	7.	1.46690	1.80102
77.	8.	1.43842	1.83235
77.	9.	1.40961	1.86443
77.	10.	1.38048	1.89722
77.	11.	1.35108	1.93071
77.	12.	1.32143	1.96487
77.	13.	1.29155	1.99969
77.	14.	1.26146	2.03511
77.	15.	1.23119	2.07113
77.	16.	1.20076	2.10772
77.	17.	1.17020	2.14485

77.	18.	1.13954	2.18248
77.	19.	1.10881	2.22059
77.	20.	1.07801	2.25914
77.	21.	1.04721	2.29811
78.	2.	1.60626	1.65812
78.	3.	1.58010	1.68509
78.	4.	1.55351	1.71287
78.	5.	1.52651	1.74145
78.	6.	1.49912	1.77081
78.	7.	1.47136	1.80093
78.	8.	1.44325	1.83178
78.	9.	1.41483	1.86337
78.	10.	1.38610	1.89565
78.	11.	1.35711	1.92862
78.	12.	1.32785	1.96224
78.	13.	1.29836	1.99650
78.	14.	1.26867	2.03136
78.	15.	1.23879	2.06680
78.	16.	1.20876	2.10279
78.	17.	1.17860	2.13932
78.	18.	1.14832	2.17634
78.	19.	1.11797	2.21384
78.	20.	1.08756	2.25177
78.	21.	1.05712	2.29011
79.	2.	1.60887	1.66006
79.	3.	1.58304	1.68667
79.	4.	1.55679	1.71407
79.	5.	1.53015	1.74225
79.	6.	1.50312	1.77118
79.	7.	1.47572	1.80086
79.	8.	1.44800	1.83126
79.	9.	1.41994	1.86237
79.	10.	1.39160	1.89416
79.	11.	1.36299	1.92661
79.	12.	1.33411	1.95970
79.	13.	1.30501	1.99342
79.	14.	1.27571	2.02773
79.	15.	1.24622	2.06261
79.	16.	1.21658	2.09804
79.	17.	1.18679	2.13398
79.	18.	1.15690	2.17041
79.	19.	1.12693	2.20730
79.	20.	1.09689	2.24464
79.	21.	1.06680	2.28237
80.	2.	1.61143	1.66197
80.	3.	1.58592	1.68823
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80.	19.	1.13568	2.20099
80.	20.	1.10600	2.23772
80.	21.	1.07628	2.27487
81.	2.	1.61393	1.66385
81.	3.	1.58875	1.68976
81.	4.	1.56316	1.71643
81.	5.	1.53719	1.74384
81.	6.	1.51085	1.77196
81.	7.	1.48417	1.80079
81.	8.	1.45715	1.83031
81.	9.	1.42984	1.86051
81.	10.	1.40223	1.89135
81.	11.	1.37434	1.92282
81.	12.	1.34622	1.95492
81.	13.	1.31787	1.98760
81.	14.	1.28931	2.02085
81.	15.	1.26058	2.05466
81.	16.	1.23168	2.08898
81.	17.	1.20264	2.12381
81.	18.	1.17348	2.15911
81.	19.	1.14424	2.19486
81.	20.	1.11491	2.23103
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82.	2.	1.61639	1.66569
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82.	5.	1.54060	1.74462
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82.	7.	1.48826	1.80079
82.	8.	1.46159	1.82989
82.	9.	1.43462	1.85964
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82.	12.	1.35207	1.95265
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82.	14.	1.29590	2.01760
82.	15.	1.26752	2.05088
82.	16.	1.23898	2.08469
82.	17.	1.21030	2.11897
82.	18.	1.18150	2.15373
82.	19.	1.15260	2.18894
82.	20.	1.12364	2.22455
82.	21.	1.09461	2.26056
83.	2.	1.61880	1.66751
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83.	5.	1.54395	1.74541
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83.	12.	1.35780	1.95048
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83.	15.	1.27430	2.04723
83.	16.	1.24612	2.08052
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83.	19.	1.16080	2.18320
83.	20.	1.13217	2.21827
83.	21.	1.10349	2.25373
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84.	10.	1.41731	1.88756
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84.	20.	1.14051	2.21218
84.	21.	1.11215	2.24712
85.	2.	1.62350	1.67105
85.	3.	1.59952	1.69568
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85.	6.	1.52540	1.77361
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85.	18.	1.20451	2.13858
85.	19.	1.17664	2.17223
85.	20.	1.14868	2.20627
85.	21.	1.12064	2.24070
86.	2.	1.62579	1.67277
86.	3.	1.60209	1.69711
86.	4.	1.57802	1.72210
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86.	6.	1.52885	1.77404
86.	7.	1.50378	1.80095
86.	8.	1.47842	1.82848

86.	9.	1.45277	1.85659
86.	10.	1.42684	1.88530
86.	11.	1.40066	1.91457
86.	12.	1.37426	1.94439
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86.	14.	1.32081	2.00561
86.	15.	1.29379	2.03697
86.	16.	1.26662	2.06881
86.	17.	1.23931	2.10111
86.	18.	1.21187	2.13384
86.	19.	1.18432	2.16700
86.	20.	1.15667	2.20054
86.	21.	1.12896	2.23446
87.	2.	1.62804	1.67448
87.	3.	1.60461	1.69851
87.	4.	1.58083	1.72320
87.	5.	1.55670	1.74852
87.	6.	1.53224	1.77448
87.	7.	1.50748	1.80103
87.	8.	1.48242	1.82819
87.	9.	1.45707	1.85592
87.	10.	1.43146	1.88423
87.	11.	1.40561	1.91310
87.	12.	1.37951	1.94250
87.	13.	1.35320	1.97243
87.	14.	1.32671	2.00285
87.	15.	1.30002	2.03377
87.	16.	1.27317	2.06515
87.	17.	1.24617	2.09699
87.	18.	1.21906	2.12925
87.	19.	1.19183	2.16192
87.	20.	1.16450	2.19498
87.	21.	1.13710	2.22841
88.	2.	1.63024	1.67615
88.	3.	1.60709	1.69990
88.	4.	1.58358	1.72429
88.	5.	1.55974	1.74929
88.	6.	1.53557	1.77491
88.	7.	1.51109	1.80112
88.	8.	1.48633	1.82792
88.	9.	1.46129	1.85529
88.	10.	1.43599	1.88321
88.	11.	1.41044	1.91168
88.	12.	1.38466	1.94068
88.	13.	1.35867	1.97019
88.	14.	1.33248	2.00018
88.	15.	1.30611	2.03067
88.	16.	1.27958	2.06160
88.	17.	1.25290	2.09298
88.	18.	1.22609	2.12478
88.	19.	1.19918	2.15699
88.	20.	1.17217	2.18959
88.	21.	1.14507	2.22254
89.	2.	1.63242	1.67780
89.	3.	1.60951	1.70127
89.	4.	1.58628	1.72536
89.	5.	1.56271	1.75006

89.	6.	1.53883	1.77535
89.	7.	1.51465	1.80123
89.	8.	1.49017	1.82768
89.	9.	1.46542	1.85469
89.	10.	1.44042	1.88223
89.	11.	1.41518	1.91032
89.	12.	1.38970	1.93892
89.	13.	1.36402	1.96802
89.	14.	1.33814	1.99760
89.	15.	1.31208	2.02766
89.	16.	1.28585	2.05816
89.	17.	1.25949	2.08910
89.	18.	1.23299	2.12046
89.	19.	1.20638	2.15221
89.	20.	1.17967	2.18434
89.	21.	1.15289	2.21683
90.	2.	1.63454	1.67942
90.	3.	1.61190	1.70262
90.	4.	1.58893	1.72642
90.	5.	1.56564	1.75082
90.	6.	1.54202	1.77580
90.	7.	1.51812	1.80135
90.	8.	1.49393	1.82745
90.	9.	1.46947	1.85411
90.	10.	1.44476	1.88129
90.	11.	1.41982	1.90900
90.	12.	1.39464	1.93721
90.	13.	1.36926	1.96592
90.	14.	1.34368	1.99510
90.	15.	1.31792	2.02474
90.	16.	1.29200	2.05483
90.	17.	1.26594	2.08533
90.	18.	1.23974	2.11626
90.	19.	1.21344	2.14756
90.	20.	1.18703	2.17925
90.	21.	1.16053	2.21129
91.	2.	1.63664	1.68102
91.	3.	1.61425	1.70395
91.	4.	1.59154	1.72747
91.	5.	1.56850	1.75157
91.	6.	1.54516	1.77625
91.	7.	1.52154	1.80147
91.	8.	1.49763	1.82725
91.	9.	1.47345	1.85356
91.	10.	1.44903	1.88040
91.	11.	1.42437	1.90774
91.	12.	1.39948	1.93557
91.	13.	1.37440	1.96389
91.	14.	1.34911	1.99268
91.	15.	1.32365	2.02192
91.	16.	1.29803	2.05159
91.	17.	1.27226	2.08168
91.	18.	1.24637	2.11217
91.	19.	1.22035	2.14305
91.	20.	1.19424	2.17430
91.	21.	1.16803	2.20590
92.	2.	1.63870	1.68259

92.	3.	1.61656	1.70526
92.	4.	1.59410	1.72851
92.	5.	1.57132	1.75232
92.	6.	1.54824	1.77670
92.	7.	1.52488	1.80161
92.	8.	1.50125	1.82707
92.	9.	1.47736	1.85304
92.	10.	1.45321	1.87953
92.	11.	1.42883	1.90652
92.	12.	1.40423	1.93399
92.	13.	1.37943	1.96194
92.	14.	1.35444	1.99033
92.	15.	1.32927	2.01918
92.	16.	1.30393	2.04845
92.	17.	1.27846	2.07813
92.	18.	1.25285	2.10821
92.	19.	1.22713	2.13867
92.	20.	1.20129	2.16949
92.	21.	1.17538	2.20066
93.	2.	1.64073	1.68414
93.	3.	1.61883	1.70656
93.	4.	1.59661	1.72954
93.	5.	1.57409	1.75308
93.	6.	1.55127	1.77716
93.	7.	1.52818	1.80176
93.	8.	1.50480	1.82690
93.	9.	1.48117	1.85255
93.	10.	1.45730	1.87870
93.	11.	1.43321	1.90534
93.	12.	1.40889	1.93246
93.	13.	1.38437	1.96004
93.	14.	1.35966	1.98806
93.	15.	1.33477	2.01652
93.	16.	1.30972	2.04540
93.	17.	1.28453	2.07469
93.	18.	1.25920	2.10436
93.	19.	1.23376	2.13441
93.	20.	1.20821	2.16482
93.	21.	1.18259	2.19556
94.	2.	1.64272	1.68567
94.	3.	1.62106	1.70784
94.	4.	1.59908	1.73055
94.	5.	1.57681	1.75382
94.	6.	1.55424	1.77761
94.	7.	1.53140	1.80192
94.	8.	1.50829	1.82675
94.	9.	1.48493	1.85209
94.	10.	1.46133	1.87791
94.	11.	1.43750	1.90421
94.	12.	1.41345	1.93097
94.	13.	1.38921	1.95820
94.	14.	1.36478	1.98586
94.	15.	1.34016	2.01394
94.	16.	1.31540	2.04244
94.	17.	1.29049	2.07134
94.	18.	1.26544	2.10062
94.	19.	1.24027	2.13027

94.	20.	1.21500	2.16027
94.	21.	1.18965	2.19061
95.	2.	1.64469	1.68717
95.	3.	1.62325	1.70910
95.	4.	1.60152	1.73156
95.	5.	1.57948	1.75455
95.	6.	1.55715	1.77807
95.	7.	1.53456	1.80210
95.	8.	1.51171	1.82663
95.	9.	1.48861	1.85164
95.	10.	1.46527	1.87715
95.	11.	1.44171	1.90311
95.	12.	1.41793	1.92954
95.	13.	1.39395	1.95642
95.	14.	1.36980	1.98372
95.	15.	1.34546	2.01144
95.	16.	1.32096	2.03957
95.	17.	1.29632	2.06808
95.	18.	1.27155	2.09699
95.	19.	1.24666	2.12624
95.	20.	1.22166	2.15585
95.	21.	1.19657	2.18579
96.	2.	1.64661	1.68866
96.	3.	1.62541	1.71034
96.	4.	1.60390	1.73256
96.	5.	1.58211	1.75529
96.	6.	1.56002	1.77853
96.	7.	1.53768	1.80227
96.	8.	1.51508	1.82651
96.	9.	1.49223	1.85123
96.	10.	1.46914	1.87642
96.	11.	1.44584	1.90206
96.	12.	1.42232	1.92815
96.	13.	1.39861	1.95469
96.	14.	1.37472	1.98164
96.	15.	1.35065	2.00900
96.	16.	1.32643	2.03677
96.	17.	1.30205	2.06492
96.	18.	1.27755	2.09345
96.	19.	1.25292	2.12232
96.	20.	1.22819	2.15154
96.	21.	1.20337	2.18109
97.	2.	1.64851	1.69012
97.	3.	1.62752	1.71157
97.	4.	1.60625	1.73354
97.	5.	1.58469	1.75602
97.	6.	1.56284	1.77899
97.	7.	1.54073	1.80246
97.	8.	1.51838	1.82641
97.	9.	1.49577	1.85083
97.	10.	1.47294	1.87571
97.	11.	1.44989	1.90105
97.	12.	1.42663	1.92681
97.	13.	1.40318	1.95301
97.	14.	1.37955	1.97963
97.	15.	1.35574	2.00665
97.	16.	1.33178	2.03407

97.	17.	1.30767	2.06186
97.	18.	1.28342	2.09001
97.	19.	1.25906	2.11851
97.	20.	1.23459	2.14735
97.	21.	1.21003	2.17652
98.	2.	1.65038	1.69156
98.	3.	1.62962	1.71279
98.	4.	1.60856	1.73452
98.	5.	1.58721	1.75674
98.	6.	1.56561	1.77946
98.	7.	1.54373	1.80266
98.	8.	1.52162	1.82632
98.	9.	1.49926	1.85046
98.	10.	1.47667	1.87503
98.	11.	1.45387	1.90006
98.	12.	1.43087	1.92552
98.	13.	1.40767	1.95139
98.	14.	1.38428	1.97768
98.	15.	1.36073	2.00436
98.	16.	1.33702	2.03142
98.	17.	1.31318	2.05886
98.	18.	1.28919	2.08666
98.	19.	1.26508	2.11481
98.	20.	1.24088	2.14328
98.	21.	1.21657	2.17208
99.	2.	1.65223	1.69298
99.	3.	1.63167	1.71399
99.	4.	1.61082	1.73548
99.	5.	1.58971	1.75746
99.	6.	1.56833	1.77993
99.	7.	1.54669	1.80285
99.	8.	1.52480	1.82625
99.	9.	1.50268	1.85010
99.	10.	1.48033	1.87439
99.	11.	1.45778	1.89911
99.	12.	1.43502	1.92426
99.	13.	1.41206	1.94982
99.	14.	1.38894	1.97578
99.	15.	1.36563	2.00213
99.	16.	1.34218	2.02886
99.	17.	1.31859	2.05596
99.	18.	1.29486	2.08341
99.	19.	1.27100	2.11120
99.	20.	1.24704	2.13931
99.	21.	1.22298	2.16774
100.	2.	1.65404	1.69439
100.	3.	1.63369	1.71517
100.	4.	1.61306	1.73643
100.	5.	1.59216	1.75818
100.	6.	1.57100	1.78039
100.	7.	1.54958	1.80306
100.	8.	1.52793	1.82619
100.	9.	1.50604	1.84976
100.	10.	1.48394	1.87377
100.	11.	1.46162	1.89820
100.	12.	1.43910	1.92305
100.	13.	1.41639	1.94830

100.	14.	1.39350	1.97394
100.	15.	1.37045	1.99997
100.	16.	1.34724	2.02636
100.	17.	1.32390	2.05313
100.	18.	1.30041	2.08024
100.	19.	1.27680	2.10767
100.	20.	1.25310	2.13544
100.	21.	1.22928	2.16352

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

**T=100 to 200, K=2 to 21**

K includes intercept

T	K	dL	dU
100.	2.	1.65404	1.69439
100.	3.	1.63369	1.71517
100.	4.	1.61306	1.73643
100.	5.	1.59216	1.75818
100.	6.	1.57100	1.78039
100.	7.	1.54958	1.80306
100.	8.	1.52793	1.82619
100.	9.	1.50604	1.84976
100.	10.	1.48394	1.87377
100.	11.	1.46162	1.89820
100.	12.	1.43910	1.92305
100.	13.	1.41639	1.94830
100.	14.	1.39350	1.97394
100.	15.	1.37045	1.99997
100.	16.	1.34724	2.02636
100.	17.	1.32390	2.05313
100.	18.	1.30041	2.08024
100.	19.	1.27680	2.10767
100.	20.	1.25310	2.13544
100.	21.	1.22928	2.16352
101.	2.	1.65582	1.69577
101.	3.	1.63568	1.71634
101.	4.	1.61526	1.73738
101.	5.	1.59457	1.75888
101.	6.	1.57363	1.78086
101.	7.	1.55244	1.80328
101.	8.	1.53100	1.82614
101.	9.	1.50934	1.84945
101.	10.	1.48747	1.87317
101.	11.	1.46538	1.89731
101.	12.	1.44310	1.92186
101.	13.	1.42063	1.94682
101.	14.	1.39799	1.97215
101.	15.	1.37518	1.99787
101.	16.	1.35221	2.02394
101.	17.	1.32911	2.05037
101.	18.	1.30587	2.07715
101.	19.	1.28250	2.10425

101.	20.	1.25903	2.13168
101.	21.	1.23546	2.15941
102.	2.	1.65758	1.69713
102.	3.	1.63764	1.71749
102.	4.	1.61742	1.73831
102.	5.	1.59694	1.75959
102.	6.	1.57621	1.78132
102.	7.	1.55524	1.80349
102.	8.	1.53403	1.82610
102.	9.	1.51260	1.84914
102.	10.	1.49094	1.87259
102.	11.	1.46909	1.89646
102.	12.	1.44704	1.92072
102.	13.	1.42480	1.94538
102.	14.	1.40239	1.97042
102.	15.	1.37982	1.99582
102.	16.	1.35709	2.02159
102.	17.	1.33422	2.04769
102.	18.	1.31122	2.07414
102.	19.	1.28809	2.10092
102.	20.	1.26486	2.12800
102.	21.	1.24154	2.15540
103.	2.	1.65932	1.69848
103.	3.	1.63956	1.71863
103.	4.	1.61955	1.73924
103.	5.	1.59928	1.76029
103.	6.	1.57875	1.78179
103.	7.	1.55799	1.80372
103.	8.	1.53700	1.82608
103.	9.	1.51578	1.84886
103.	10.	1.49435	1.87205
103.	11.	1.47272	1.89563
103.	12.	1.45090	1.91962
103.	13.	1.42889	1.94398
103.	14.	1.40671	1.96873
103.	15.	1.38437	1.99383
103.	16.	1.36188	2.01929
103.	17.	1.33924	2.04509
103.	18.	1.31648	2.07122
103.	19.	1.29359	2.09767
103.	20.	1.27059	2.12443
103.	21.	1.24750	2.15149
104.	2.	1.66103	1.69981
104.	3.	1.64147	1.71976
104.	4.	1.62165	1.74015
104.	5.	1.60157	1.76098
104.	6.	1.58126	1.78226
104.	7.	1.56070	1.80395
104.	8.	1.53991	1.82607
104.	9.	1.51892	1.84859
104.	10.	1.49770	1.87152
104.	11.	1.47629	1.89484
104.	12.	1.45469	1.91855
104.	13.	1.43291	1.94263
104.	14.	1.41096	1.96709
104.	15.	1.38885	1.99190
104.	16.	1.36658	2.01706



104.	17.	1.34417	2.04255
104.	18.	1.32164	2.06836
104.	19.	1.29899	2.09450
104.	20.	1.27622	2.12095
104.	21.	1.25335	2.14768
105.	2.	1.66271	1.70111
105.	3.	1.64334	1.72087
105.	4.	1.62371	1.74106
105.	5.	1.60383	1.76168
105.	6.	1.58372	1.78273
105.	7.	1.56336	1.80419
105.	8.	1.54279	1.82606
105.	9.	1.52200	1.84834
105.	10.	1.50101	1.87101
105.	11.	1.47981	1.89407
105.	12.	1.45843	1.91751
105.	13.	1.43687	1.94132
105.	14.	1.41514	1.96550
105.	15.	1.39325	1.99001
105.	16.	1.37120	2.01488
105.	17.	1.34903	2.04007
105.	18.	1.32672	2.06559
105.	19.	1.30428	2.09141
105.	20.	1.28174	2.11754
105.	21.	1.25910	2.14396
106.	2.	1.66436	1.70241
106.	3.	1.64518	1.72197
106.	4.	1.62575	1.74195
106.	5.	1.60606	1.76236
106.	6.	1.58613	1.78319
106.	7.	1.56599	1.80443
106.	8.	1.54562	1.82607
106.	9.	1.52503	1.84810
106.	10.	1.50425	1.87053
106.	11.	1.48326	1.89333
106.	12.	1.46210	1.91651
106.	13.	1.44075	1.94005
106.	14.	1.41924	1.96395
106.	15.	1.39756	1.98818
106.	16.	1.37575	2.01275
106.	17.	1.35378	2.03766
106.	18.	1.33169	2.06288
106.	19.	1.30949	2.08841
106.	20.	1.28717	2.11423
106.	21.	1.26475	2.14033
107.	2.	1.66600	1.70369
107.	3.	1.64699	1.72305
107.	4.	1.62774	1.74284
107.	5.	1.60825	1.76305
107.	6.	1.58852	1.78365
107.	7.	1.56856	1.80467
107.	8.	1.54840	1.82608
107.	9.	1.52801	1.84788
107.	10.	1.50744	1.87006
107.	11.	1.48666	1.89262
107.	12.	1.46570	1.91553
107.	13.	1.44457	1.93881

107.	14.	1.42326	1.96244
107.	15.	1.40181	1.98640
107.	16.	1.38021	2.01070
107.	17.	1.35847	2.03531
107.	18.	1.33659	2.06024
107.	19.	1.31460	2.08547
107.	20.	1.29251	2.11099
107.	21.	1.27030	2.13679
108.	2.	1.66761	1.70495
108.	3.	1.64878	1.72413
108.	4.	1.62971	1.74372
108.	5.	1.61041	1.76372
108.	6.	1.59087	1.78412
108.	7.	1.57110	1.80492
108.	8.	1.55113	1.82611
108.	9.	1.53095	1.84767
108.	10.	1.51057	1.86962
108.	11.	1.49000	1.89192
108.	12.	1.46925	1.91459
108.	13.	1.44832	1.93761
108.	14.	1.42723	1.96097
108.	15.	1.40598	1.98466
108.	16.	1.38460	2.00868
108.	17.	1.36307	2.03302
108.	18.	1.34141	2.05766
108.	19.	1.31963	2.08260
108.	20.	1.29775	2.10783
108.	21.	1.27576	2.13334
109.	2.	1.66920	1.70619
109.	3.	1.65054	1.72519
109.	4.	1.63165	1.74459
109.	5.	1.61253	1.76439
109.	6.	1.59317	1.78459
109.	7.	1.57361	1.80518
109.	8.	1.55382	1.82614
109.	9.	1.53384	1.84749
109.	10.	1.51365	1.86919
109.	11.	1.49329	1.89126
109.	12.	1.47274	1.91368
109.	13.	1.45201	1.93644
109.	14.	1.43113	1.95954
109.	15.	1.41009	1.98298
109.	16.	1.38891	2.00672
109.	17.	1.36758	2.03079
109.	18.	1.34614	2.05515
109.	19.	1.32457	2.07981
109.	20.	1.30290	2.10475
109.	21.	1.28112	2.12997
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110.	3.	1.65228	1.72623
110.	4.	1.63357	1.74545
110.	5.	1.61462	1.76506
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110.	7.	1.57606	1.80543
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110.	9.	1.53667	1.84730
110.	10.	1.51668	1.86878

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110.	13.	1.45564	1.93531
110.	14.	1.43496	1.95815
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110.	17.	1.37203	2.02861
110.	18.	1.35079	2.05270
110.	19.	1.32943	2.07709
110.	20.	1.30796	2.10175
110.	21.	1.28639	2.12668
111.	2.	1.67231	1.70863
111.	3.	1.65399	1.72727
111.	4.	1.63545	1.74630
111.	5.	1.61668	1.76572
111.	6.	1.59769	1.78552
111.	7.	1.57848	1.80569
111.	8.	1.55908	1.82623
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111.	12.	1.47954	1.91193
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111.	14.	1.43873	1.95680
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111.	18.	1.35536	2.05032
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111.	21.	1.29157	2.12346
112.	2.	1.67383	1.70982
112.	3.	1.65568	1.72830
112.	4.	1.63731	1.74715
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132.	19.	1.41879	2.03057
132.	20.	1.40109	2.05028
132.	21.	1.38331	2.07019
133.	2.	1.70166	1.73194
133.	3.	1.68641	1.74740
133.	4.	1.67099	1.76313
133.	5.	1.65540	1.77912
133.	6.	1.63965	1.79539

133.	7.	1.62375	1.81191
133.	8.	1.60769	1.82868
133.	9.	1.59149	1.84571
133.	10.	1.57513	1.86298
133.	11.	1.55864	1.88050
133.	12.	1.54202	1.89825
133.	13.	1.52526	1.91625
133.	14.	1.50837	1.93448
133.	15.	1.49136	1.95293
133.	16.	1.47424	1.97161
133.	17.	1.45700	1.99051
133.	18.	1.43965	2.00962
133.	19.	1.42219	2.02894
133.	20.	1.40464	2.04846
133.	21.	1.38700	2.06820
134.	2.	1.70282	1.73286
134.	3.	1.68768	1.74821
134.	4.	1.67238	1.76382
134.	5.	1.65691	1.77969
134.	6.	1.64129	1.79581
134.	7.	1.62551	1.81220
134.	8.	1.60957	1.82883
134.	9.	1.59350	1.84572
134.	10.	1.57727	1.86285
134.	11.	1.56091	1.88021
134.	12.	1.54442	1.89782
134.	13.	1.52779	1.91565
134.	14.	1.51104	1.93372
134.	15.	1.49416	1.95201
134.	16.	1.47717	1.97053
134.	17.	1.46007	1.98925
134.	18.	1.44286	2.00820
134.	19.	1.42554	2.02734
134.	20.	1.40813	2.04669
134.	21.	1.39063	2.06623
135.	2.	1.70397	1.73379
135.	3.	1.68894	1.74902
135.	4.	1.67375	1.76450
135.	5.	1.65840	1.78024
135.	6.	1.64290	1.79624
135.	7.	1.62723	1.81250
135.	8.	1.61142	1.82899
135.	9.	1.59547	1.84573
135.	10.	1.57937	1.86272
135.	11.	1.56315	1.87994
135.	12.	1.54677	1.89739
135.	13.	1.53028	1.91507
135.	14.	1.51367	1.93299
135.	15.	1.49692	1.95112
135.	16.	1.48007	1.96947
135.	17.	1.46310	1.98803
135.	18.	1.44604	2.00680
135.	19.	1.42885	2.02577
135.	20.	1.41158	2.04495
135.	21.	1.39422	2.06432
136.	2.	1.70510	1.73469
136.	3.	1.69018	1.74980

136.	4.	1.67511	1.76517
136.	5.	1.65987	1.78079
136.	6.	1.64448	1.79667
136.	7.	1.62894	1.81279
136.	8.	1.61326	1.82915
136.	9.	1.59742	1.84576
136.	10.	1.58145	1.86260
136.	11.	1.56535	1.87968
136.	12.	1.54911	1.89698
136.	13.	1.53275	1.91451
136.	14.	1.51626	1.93227
136.	15.	1.49966	1.95024
136.	16.	1.48293	1.96843
136.	17.	1.46609	1.98683
136.	18.	1.44916	2.00543
136.	19.	1.43212	2.02425
136.	20.	1.41499	2.04325
136.	21.	1.39776	2.06244
137.	2.	1.70621	1.73559
137.	3.	1.69141	1.75060
137.	4.	1.67645	1.76585
137.	5.	1.66133	1.78134
137.	6.	1.64606	1.79709
137.	7.	1.63064	1.81308
137.	8.	1.61507	1.82932
137.	9.	1.59936	1.84578
137.	10.	1.58351	1.86249
137.	11.	1.56753	1.87942
137.	12.	1.55142	1.89658
137.	13.	1.53517	1.91396
137.	14.	1.51881	1.93156
137.	15.	1.50235	1.94938
137.	16.	1.48575	1.96741
137.	17.	1.46905	1.98565
137.	18.	1.45225	2.00410
137.	19.	1.43534	2.02274
137.	20.	1.41833	2.04157
137.	21.	1.40124	2.06060
138.	2.	1.70732	1.73649
138.	3.	1.69262	1.75138
138.	4.	1.67777	1.76651
138.	5.	1.66277	1.78189
138.	6.	1.64761	1.79751
138.	7.	1.63230	1.81338
138.	8.	1.61685	1.82948
138.	9.	1.60126	1.84582
138.	10.	1.58554	1.86239
138.	11.	1.56968	1.87918
138.	12.	1.55369	1.89619
138.	13.	1.53758	1.91342
138.	14.	1.52134	1.93088
138.	15.	1.50499	1.94855
138.	16.	1.48853	1.96643
138.	17.	1.47196	1.98451
138.	18.	1.45529	2.00278
138.	19.	1.43852	2.02126
138.	20.	1.42164	2.03993

138.	21.	1.40469	2.05879
139.	2.	1.70841	1.73737
139.	3.	1.69383	1.75214
139.	4.	1.67908	1.76716
139.	5.	1.66418	1.78243
139.	6.	1.64914	1.79793
139.	7.	1.63395	1.81367
139.	8.	1.61861	1.82965
139.	9.	1.60314	1.84585
139.	10.	1.58754	1.86228
139.	11.	1.57180	1.87893
139.	12.	1.55593	1.89581
139.	13.	1.53995	1.91291
139.	14.	1.52383	1.93022
139.	15.	1.50761	1.94773
139.	16.	1.49128	1.96545
139.	17.	1.47483	1.98337
139.	18.	1.45829	2.00150
139.	19.	1.44164	2.01981
139.	20.	1.42491	2.03832
139.	21.	1.40807	2.05701
140.	2.	1.70950	1.73824
140.	3.	1.69501	1.75291
140.	4.	1.68038	1.76782
140.	5.	1.66559	1.78297
140.	6.	1.65066	1.79836
140.	7.	1.63557	1.81397
140.	8.	1.62036	1.82981
140.	9.	1.60500	1.84589
140.	10.	1.58951	1.86219
140.	11.	1.57389	1.87871
140.	12.	1.55815	1.89545
140.	13.	1.54228	1.91240
140.	14.	1.52629	1.92956
140.	15.	1.51020	1.94693
140.	16.	1.49399	1.96449
140.	17.	1.47767	1.98227
140.	18.	1.46125	2.00024
140.	19.	1.44473	2.01840
140.	20.	1.42813	2.03675
140.	21.	1.41143	2.05528
141.	2.	1.71056	1.73910
141.	3.	1.69618	1.75367
141.	4.	1.68165	1.76847
141.	5.	1.66697	1.78350
141.	6.	1.65215	1.79876
141.	7.	1.63718	1.81426
141.	8.	1.62208	1.82999
141.	9.	1.60684	1.84593
141.	10.	1.59147	1.86211
141.	11.	1.57596	1.87848
141.	12.	1.56033	1.89508
141.	13.	1.54459	1.91190
141.	14.	1.52872	1.92892
141.	15.	1.51275	1.94614
141.	16.	1.49666	1.96357
141.	17.	1.48047	1.98119

141.	18.	1.46417	1.99900
141.	19.	1.44779	2.01701
141.	20.	1.43130	2.03519
141.	21.	1.41472	2.05357
142.	2.	1.71162	1.73997
142.	3.	1.69735	1.75442
142.	4.	1.68292	1.76911
142.	5.	1.66835	1.78403
142.	6.	1.65362	1.79918
142.	7.	1.63877	1.81456
142.	8.	1.62377	1.83016
142.	9.	1.60865	1.84598
142.	10.	1.59339	1.86202
142.	11.	1.57800	1.87828
142.	12.	1.56250	1.89474
142.	13.	1.54686	1.91142
142.	14.	1.53112	1.92830
142.	15.	1.51527	1.94538
142.	16.	1.49930	1.96266
142.	17.	1.48323	1.98013
142.	18.	1.46706	1.99780
142.	19.	1.45079	2.01564
142.	20.	1.43444	2.03368
142.	21.	1.41799	2.05190
143.	2.	1.71267	1.74081
143.	3.	1.69849	1.75517
143.	4.	1.68417	1.76974
143.	5.	1.66970	1.78456
143.	6.	1.65509	1.79959
143.	7.	1.64034	1.81486
143.	8.	1.62546	1.83034
143.	9.	1.61043	1.84603
143.	10.	1.59529	1.86194
143.	11.	1.58002	1.87807
143.	12.	1.56463	1.89440
143.	13.	1.54912	1.91095
143.	14.	1.53348	1.92769
143.	15.	1.51776	1.94463
143.	16.	1.50191	1.96176
143.	17.	1.48595	1.97909
143.	18.	1.46991	1.99661
143.	19.	1.45376	2.01431
143.	20.	1.43753	2.03219
143.	21.	1.42120	2.05025
144.	2.	1.71370	1.74165
144.	3.	1.69963	1.75590
144.	4.	1.68541	1.77037
144.	5.	1.67104	1.78508
144.	6.	1.65653	1.80000
144.	7.	1.64189	1.81514
144.	8.	1.62711	1.83051
144.	9.	1.61220	1.84609
144.	10.	1.59717	1.86188
144.	11.	1.58201	1.87787
144.	12.	1.56673	1.89408
144.	13.	1.55133	1.91048
144.	14.	1.53583	1.92709

144.	15.	1.52021	1.94389
144.	16.	1.50448	1.96089
144.	17.	1.48865	1.97808
144.	18.	1.47272	1.99544
144.	19.	1.45670	2.01299
144.	20.	1.44058	2.03073
144.	21.	1.42438	2.04864
145.	2.	1.71473	1.74247
145.	3.	1.70075	1.75663
145.	4.	1.68663	1.77100
145.	5.	1.67236	1.78559
145.	6.	1.65796	1.80040
145.	7.	1.64343	1.81544
145.	8.	1.62875	1.83069
145.	9.	1.61395	1.84615
145.	10.	1.59902	1.86181
145.	11.	1.58398	1.87768
145.	12.	1.56881	1.89375
145.	13.	1.55352	1.91003
145.	14.	1.53813	1.92651
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145.	17.	1.49131	1.97707
145.	18.	1.47550	1.99430
145.	19.	1.45959	2.01171
145.	20.	1.44359	2.02929
145.	21.	1.42751	2.04706
146.	2.	1.71574	1.74330
146.	3.	1.70186	1.75735
146.	4.	1.68784	1.77162
146.	5.	1.67368	1.78610
146.	6.	1.65938	1.80082
146.	7.	1.64494	1.81574
146.	8.	1.63038	1.83087
146.	9.	1.61568	1.84621
146.	10.	1.60086	1.86175
146.	11.	1.58592	1.87750
146.	12.	1.57087	1.89345
146.	13.	1.55569	1.90959
146.	14.	1.54041	1.92594
146.	15.	1.52502	1.94247
146.	16.	1.50953	1.95919
146.	17.	1.49393	1.97610
146.	18.	1.47823	1.99319
146.	19.	1.46245	2.01045
146.	20.	1.44656	2.02789
146.	21.	1.43060	2.04550
147.	2.	1.71674	1.74412
147.	3.	1.70296	1.75807
147.	4.	1.68903	1.77224
147.	5.	1.67497	1.78662
147.	6.	1.66077	1.80121
147.	7.	1.64644	1.81603
147.	8.	1.63197	1.83104
147.	9.	1.61739	1.84627
147.	10.	1.60267	1.86170
147.	11.	1.58784	1.87732

147.	12.	1.57290	1.89315
147.	13.	1.55783	1.90916
147.	14.	1.54266	1.92538
147.	15.	1.52738	1.94178
147.	16.	1.51199	1.95837
147.	17.	1.49652	1.97514
147.	18.	1.48093	1.99209
147.	19.	1.46526	2.00921
147.	20.	1.44950	2.02651
147.	21.	1.43365	2.04397
148.	2.	1.71773	1.74493
148.	3.	1.70405	1.75878
148.	4.	1.69021	1.77285
148.	5.	1.67624	1.78713
148.	6.	1.66215	1.80162
148.	7.	1.64791	1.81632
148.	8.	1.63355	1.83123
148.	9.	1.61907	1.84634
148.	10.	1.60446	1.86165
148.	11.	1.58974	1.87716
148.	12.	1.57490	1.89286
148.	13.	1.55995	1.90875
148.	14.	1.54488	1.92484
148.	15.	1.52971	1.94110
148.	16.	1.51444	1.95756
148.	17.	1.49908	1.97420
148.	18.	1.48360	1.99101
148.	19.	1.46805	2.00800
148.	20.	1.45240	2.02515
148.	21.	1.43666	2.04247
149.	2.	1.71873	1.74572
149.	3.	1.70512	1.75948
149.	4.	1.69139	1.77345
149.	5.	1.67752	1.78763
149.	6.	1.66351	1.80202
149.	7.	1.64938	1.81661
149.	8.	1.63512	1.83141
149.	9.	1.62074	1.84641
149.	10.	1.60623	1.86160
149.	11.	1.59161	1.87699
149.	12.	1.57688	1.89257
149.	13.	1.56204	1.90834
149.	14.	1.54708	1.92430
149.	15.	1.53202	1.94044
149.	16.	1.51686	1.95677
149.	17.	1.50160	1.97327
149.	18.	1.48624	1.98995
149.	19.	1.47080	2.00680
149.	20.	1.45526	2.02382
149.	21.	1.43964	2.04100
150.	2.	1.71970	1.74652
150.	3.	1.70619	1.76018
150.	4.	1.69255	1.77406
150.	5.	1.67877	1.78814
150.	6.	1.66486	1.80242
150.	7.	1.65082	1.81690
150.	8.	1.63666	1.83159



150.	9.	1.62238	1.84648
150.	10.	1.60799	1.86156
150.	11.	1.59346	1.87684
150.	12.	1.57883	1.89229
150.	13.	1.56409	1.90795
150.	14.	1.54925	1.92378
150.	15.	1.53430	1.93980
150.	16.	1.51925	1.95600
150.	17.	1.50410	1.97237
150.	18.	1.48885	1.98891
150.	19.	1.47352	2.00563
150.	20.	1.45809	2.02251
150.	21.	1.44259	2.03955
151.	2.	1.72066	1.74730
151.	3.	1.70724	1.76087
151.	4.	1.69368	1.77465
151.	5.	1.68000	1.78863
151.	6.	1.66619	1.80282
151.	7.	1.65225	1.81720
151.	8.	1.63819	1.83178
151.	9.	1.62401	1.84655
151.	10.	1.60971	1.86152
151.	11.	1.59529	1.87668
151.	12.	1.58077	1.89203
151.	13.	1.56613	1.90756
151.	14.	1.55139	1.92328
151.	15.	1.53654	1.93917
151.	16.	1.52160	1.95524
151.	17.	1.50656	1.97149
151.	18.	1.49142	1.98790
151.	19.	1.47619	2.00448
151.	20.	1.46088	2.02123
151.	21.	1.44549	2.03814
152.	2.	1.72161	1.74807
152.	3.	1.70828	1.76156
152.	4.	1.69482	1.77524
152.	5.	1.68123	1.78912
152.	6.	1.66751	1.80321
152.	7.	1.65367	1.81749
152.	8.	1.63971	1.83196
152.	9.	1.62562	1.84663
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152.	12.	1.58267	1.89177
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152.	15.	1.53877	1.93855
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152.	17.	1.50898	1.97061
152.	18.	1.49396	1.98690
152.	19.	1.47884	2.00335
152.	20.	1.46364	2.01997
152.	21.	1.44835	2.03674
153.	2.	1.72256	1.74884
153.	3.	1.70931	1.76223
153.	4.	1.69594	1.77582
153.	5.	1.68244	1.78962

153.	6.	1.66881	1.80359
153.	7.	1.65507	1.81778
153.	8.	1.64120	1.83215
153.	9.	1.62721	1.84671
153.	10.	1.61310	1.86146
153.	11.	1.59889	1.87639
153.	12.	1.58457	1.89152
153.	13.	1.57014	1.90681
153.	14.	1.55560	1.92229
153.	15.	1.54095	1.93794
153.	16.	1.52622	1.95377
153.	17.	1.51139	1.96976
153.	18.	1.49647	1.98592
153.	19.	1.48146	2.00224
153.	20.	1.46636	2.01873
153.	21.	1.45118	2.03537
154.	2.	1.72349	1.74961
154.	3.	1.71034	1.76291
154.	4.	1.69706	1.77641
154.	5.	1.68364	1.79010
154.	6.	1.67011	1.80399
154.	7.	1.65645	1.81807
154.	8.	1.64267	1.83233
154.	9.	1.62878	1.84680
154.	10.	1.61478	1.86144
154.	11.	1.60066	1.87627
154.	12.	1.58643	1.89127
154.	13.	1.57210	1.90645
154.	14.	1.55766	1.92182
154.	15.	1.54313	1.93735
154.	16.	1.52850	1.95305
154.	17.	1.51377	1.96892
154.	18.	1.49895	1.98496
154.	19.	1.48405	2.00116
154.	20.	1.46905	2.01751
154.	21.	1.45398	2.03402
155.	2.	1.72442	1.75036
155.	3.	1.71135	1.76358
155.	4.	1.69815	1.77698
155.	5.	1.68483	1.79058
155.	6.	1.67139	1.80437
155.	7.	1.65782	1.81836
155.	8.	1.64413	1.83253
155.	9.	1.63034	1.84688
155.	10.	1.61643	1.86142
155.	11.	1.60241	1.87613
155.	12.	1.58827	1.89103
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155.	15.	1.54527	1.93677
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155.	17.	1.51612	1.96810
155.	18.	1.50139	1.98402
155.	19.	1.48659	2.00009
155.	20.	1.47171	2.01631
155.	21.	1.45674	2.03270
156.	2.	1.72532	1.75111

156.	3.	1.71234	1.76423
156.	4.	1.69924	1.77755
156.	5.	1.68600	1.79107
156.	6.	1.67265	1.80477
156.	7.	1.65917	1.81864
156.	8.	1.64558	1.83271
156.	9.	1.63188	1.84697
156.	10.	1.61806	1.86140
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156.	12.	1.59010	1.89080
156.	13.	1.57596	1.90576
156.	14.	1.56172	1.92090
156.	15.	1.54739	1.93620
156.	16.	1.53296	1.95166
156.	17.	1.51843	1.96730
156.	18.	1.50382	1.98309
156.	19.	1.48912	1.99903
156.	20.	1.47434	2.01514
156.	21.	1.45946	2.03140
157.	2.	1.72623	1.75185
157.	3.	1.71333	1.76489
157.	4.	1.70032	1.77812
157.	5.	1.68716	1.79154
157.	6.	1.67390	1.80515
157.	7.	1.66051	1.81894
157.	8.	1.64701	1.83290
157.	9.	1.63340	1.84706
157.	10.	1.61968	1.86139
157.	11.	1.60584	1.87589
157.	12.	1.59191	1.89058
157.	13.	1.57786	1.90543
157.	14.	1.56372	1.92045
157.	15.	1.54949	1.93564
157.	16.	1.53515	1.95100
157.	17.	1.52073	1.96650
157.	18.	1.50621	1.98218
157.	19.	1.49161	1.99801
157.	20.	1.47693	2.01399
157.	21.	1.46217	2.03012
158.	2.	1.72713	1.75260
158.	3.	1.71432	1.76555
158.	4.	1.70137	1.77868
158.	5.	1.68832	1.79202
158.	6.	1.67514	1.80552
158.	7.	1.66184	1.81922
158.	8.	1.64842	1.83310
158.	9.	1.63490	1.84715
158.	10.	1.62127	1.86138
158.	11.	1.60752	1.87578
158.	12.	1.59369	1.89036
158.	13.	1.57973	1.90510
158.	14.	1.56569	1.92002
158.	15.	1.55155	1.93510
158.	16.	1.53732	1.95033
158.	17.	1.52299	1.96572
158.	18.	1.50857	1.98128
158.	19.	1.49407	1.99699

158.	20.	1.47949	2.01285
158.	21.	1.46483	2.02886
159.	2.	1.72802	1.75332
159.	3.	1.71529	1.76619
159.	4.	1.70243	1.77924
159.	5.	1.68946	1.79249
159.	6.	1.67636	1.80591
159.	7.	1.66314	1.81951
159.	8.	1.64982	1.83329
159.	9.	1.63639	1.84724
159.	10.	1.62285	1.86138
159.	11.	1.60920	1.87568
159.	12.	1.59544	1.89015
159.	13.	1.58160	1.90478
159.	14.	1.56764	1.91959
159.	15.	1.55359	1.93455
159.	16.	1.53945	1.94968
159.	17.	1.52523	1.96497
159.	18.	1.51091	1.98040
159.	19.	1.49650	1.99600
159.	20.	1.48202	2.01174
159.	21.	1.46746	2.02763
160.	2.	1.72890	1.75405
160.	3.	1.71625	1.76683
160.	4.	1.70348	1.77980
160.	5.	1.69058	1.79296
160.	6.	1.67756	1.80629
160.	7.	1.66444	1.81980
160.	8.	1.65121	1.83348
160.	9.	1.63786	1.84734
160.	10.	1.62441	1.86138
160.	11.	1.61084	1.87558
160.	12.	1.59718	1.88994
160.	13.	1.58343	1.90448
160.	14.	1.56957	1.91918
160.	15.	1.55562	1.93403
160.	16.	1.54158	1.94904
160.	17.	1.52744	1.96422
160.	18.	1.51322	1.97954
160.	19.	1.49892	1.99502
160.	20.	1.48452	2.01064
160.	21.	1.47006	2.02642
161.	2.	1.72978	1.75475
161.	3.	1.71720	1.76747
161.	4.	1.70450	1.78035
161.	5.	1.69169	1.79342
161.	6.	1.67876	1.80666
161.	7.	1.66573	1.82009
161.	8.	1.65257	1.83368
161.	9.	1.63932	1.84744
161.	10.	1.62595	1.86138
161.	11.	1.61248	1.87548
161.	12.	1.59891	1.88974
161.	13.	1.58524	1.90417
161.	14.	1.57148	1.91877
161.	15.	1.55761	1.93352
161.	16.	1.54367	1.94842

161.	17.	1.52962	1.96349
161.	18.	1.51550	1.97869
161.	19.	1.50129	1.99406
161.	20.	1.48700	2.00957
161.	21.	1.47263	2.02522
162.	2.	1.73064	1.75546
162.	3.	1.71815	1.76810
162.	4.	1.70553	1.78090
162.	5.	1.69279	1.79388
162.	6.	1.67995	1.80703
162.	7.	1.66700	1.82037
162.	8.	1.65393	1.83386
162.	9.	1.64075	1.84754
162.	10.	1.62748	1.86138
162.	11.	1.61410	1.87538
162.	12.	1.60062	1.88955
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162.	17.	1.53179	1.96276
162.	18.	1.51776	1.97786
162.	19.	1.50365	1.99311
162.	20.	1.48944	2.00851
162.	21.	1.47517	2.02405
163.	2.	1.73150	1.75617
163.	3.	1.71908	1.76872
163.	4.	1.70655	1.78144
163.	5.	1.69389	1.79434
163.	6.	1.68112	1.80741
163.	7.	1.66826	1.82065
163.	8.	1.65527	1.83407
163.	9.	1.64218	1.84764
163.	10.	1.62899	1.86139
163.	11.	1.61569	1.87530
163.	12.	1.60230	1.88936
163.	13.	1.58880	1.90359
163.	14.	1.57522	1.91797
163.	15.	1.56155	1.93252
163.	16.	1.54778	1.94721
163.	17.	1.53393	1.96206
163.	18.	1.51998	1.97705
163.	19.	1.50596	1.99219
163.	20.	1.49187	2.00747
163.	21.	1.47769	2.02289
164.	2.	1.73235	1.75687
164.	3.	1.72000	1.76934
164.	4.	1.70754	1.78198
164.	5.	1.69497	1.79479
164.	6.	1.68229	1.80778
164.	7.	1.66949	1.82093
164.	8.	1.65659	1.83426
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164.	10.	1.63048	1.86140
164.	11.	1.61727	1.87520
164.	12.	1.60397	1.88918
164.	13.	1.59056	1.90331

164.	14.	1.57706	1.91759
164.	15.	1.56348	1.93204
164.	16.	1.54980	1.94662
164.	17.	1.53604	1.96136
164.	18.	1.52219	1.97624
164.	19.	1.50827	1.99127
164.	20.	1.49425	2.00644
164.	21.	1.48017	2.02175
165.	2.	1.73319	1.75756
165.	3.	1.72092	1.76995
165.	4.	1.70854	1.78251
165.	5.	1.69604	1.79525
165.	6.	1.68344	1.80815
165.	7.	1.67073	1.82122
165.	8.	1.65791	1.83445
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165.	10.	1.63195	1.86141
165.	11.	1.61883	1.87513
165.	12.	1.60561	1.88901
165.	13.	1.59230	1.90303
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165.	17.	1.53813	1.96068
165.	18.	1.52437	1.97546
165.	19.	1.51053	1.99037
165.	20.	1.49661	2.00544
165.	21.	1.48262	2.02063
166.	2.	1.73403	1.75824
166.	3.	1.72182	1.77056
166.	4.	1.70952	1.78305
166.	5.	1.69710	1.79570
166.	6.	1.68458	1.80852
166.	7.	1.67195	1.82150
166.	8.	1.65921	1.83464
166.	9.	1.64636	1.84796
166.	10.	1.63342	1.86142
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166.	13.	1.59401	1.90277
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166.	15.	1.56728	1.93109
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166.	17.	1.54019	1.96001
166.	18.	1.52652	1.97468
166.	19.	1.51278	1.98949
166.	20.	1.49895	2.00445
166.	21.	1.48505	2.01954
167.	2.	1.73484	1.75892
167.	3.	1.72272	1.77116
167.	4.	1.71049	1.78357
167.	5.	1.69815	1.79614
167.	6.	1.68571	1.80888
167.	7.	1.67315	1.82178
167.	8.	1.66049	1.83484
167.	9.	1.64773	1.84806
167.	10.	1.63487	1.86145

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167.	12.	1.60886	1.88867
167.	13.	1.59571	1.90251
167.	14.	1.58247	1.91650
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167.	16.	1.55573	1.94492
167.	17.	1.54224	1.95935
167.	18.	1.52866	1.97391
167.	19.	1.51500	1.98863
167.	20.	1.50126	2.00347
167.	21.	1.48745	2.01846
168.	2.	1.73566	1.75959
168.	3.	1.72362	1.77176
168.	4.	1.71146	1.78409
168.	5.	1.69920	1.79658
168.	6.	1.68682	1.80924
168.	7.	1.67434	1.82206
168.	8.	1.66176	1.83504
168.	9.	1.64908	1.84817
168.	10.	1.63630	1.86147
168.	11.	1.62342	1.87491
168.	12.	1.61045	1.88851
168.	13.	1.59739	1.90226
168.	14.	1.58423	1.91614
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168.	16.	1.55767	1.94437
168.	17.	1.54426	1.95870
168.	18.	1.53077	1.97317
168.	19.	1.51719	1.98777
168.	20.	1.50355	2.00252
168.	21.	1.48983	2.01739
169.	2.	1.73647	1.76027
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169.	4.	1.71241	1.78461
169.	5.	1.70022	1.79703
169.	6.	1.68793	1.80960
169.	7.	1.67553	1.82234
169.	8.	1.66302	1.83523
169.	9.	1.65042	1.84829
169.	10.	1.63772	1.86149
169.	11.	1.62492	1.87484
169.	12.	1.61203	1.88835
169.	13.	1.59905	1.90200
169.	14.	1.58598	1.91581
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169.	17.	1.54625	1.95806
169.	18.	1.53285	1.97244
169.	19.	1.51937	1.98694
169.	20.	1.50580	2.00158
169.	21.	1.49217	2.01635
170.	2.	1.73728	1.76093
170.	3.	1.72537	1.77295
170.	4.	1.71336	1.78512
170.	5.	1.70124	1.79747
170.	6.	1.68902	1.80997
170.	7.	1.67669	1.82262

170.	8.	1.66427	1.83543
170.	9.	1.65174	1.84839
170.	10.	1.63912	1.86151
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170.	13.	1.60069	1.90176
170.	14.	1.58770	1.91546
170.	15.	1.57464	1.92932
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170.	17.	1.54823	1.95744
170.	18.	1.53491	1.97171
170.	19.	1.52151	1.98612
170.	20.	1.50803	2.00065
170.	21.	1.49449	2.01531
171.	2.	1.73808	1.76159
171.	3.	1.72624	1.77353
171.	4.	1.71430	1.78564
171.	5.	1.70225	1.79790
171.	6.	1.69010	1.81032
171.	7.	1.67785	1.82290
171.	8.	1.66550	1.83563
171.	9.	1.65305	1.84851
171.	10.	1.64051	1.86154
171.	11.	1.62788	1.87473
171.	12.	1.61514	1.88805
171.	13.	1.60233	1.90152
171.	14.	1.58941	1.91514
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171.	17.	1.55019	1.95683
171.	18.	1.53695	1.97100
171.	19.	1.52363	1.98531
171.	20.	1.51024	1.99974
171.	21.	1.49679	2.01431
172.	2.	1.73887	1.76223
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172.	7.	1.67900	1.82318
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172.	12.	1.61667	1.88791
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172.	19.	1.52574	1.98451
172.	20.	1.51243	1.99884
172.	21.	1.49906	2.01331
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173.	3.	1.72794	1.77469
173.	4.	1.71615	1.78664



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173.	17.	1.55404	1.95564
173.	18.	1.54097	1.96961
173.	19.	1.52782	1.98372
173.	20.	1.51460	1.99796
173.	21.	1.50130	2.01233
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174.	3.	1.72879	1.77526
174.	4.	1.71706	1.78715
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174.	17.	1.55593	1.95506
174.	18.	1.54294	1.96894
174.	19.	1.52987	1.98296
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175.	17.	1.55780	1.95448
175.	18.	1.54489	1.96827
175.	19.	1.53190	1.98219
175.	20.	1.51885	1.99624
175.	21.	1.50572	2.01041

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176.	3.	1.73046	1.77639
176.	4.	1.71885	1.78814
176.	5.	1.70716	1.80004
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176.	13.	1.61021	1.90042
176.	14.	1.59769	1.91360
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176.	17.	1.55966	1.95392
176.	18.	1.54682	1.96762
176.	19.	1.53392	1.98145
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177.	20.	1.52301	1.99457
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178.	20.	1.52506	1.99376
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179.	3.	1.73289	1.77804
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179.	20.	1.52709	1.99296
179.	21.	1.51427	2.00675
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180.	3.	1.73369	1.77860
180.	4.	1.72236	1.79007
180.	5.	1.71092	1.80170
180.	6.	1.69940	1.81346
180.	7.	1.68779	1.82536
180.	8.	1.67608	1.83740
180.	9.	1.66428	1.84959
180.	10.	1.65239	1.86190
180.	11.	1.64043	1.87435
180.	12.	1.62837	1.88692
180.	13.	1.61623	1.89964
180.	14.	1.60401	1.91248
180.	15.	1.59171	1.92545
180.	16.	1.57934	1.93855
180.	17.	1.56688	1.95177
180.	18.	1.55436	1.96511
180.	19.	1.54176	1.97858
180.	20.	1.52910	1.99217
180.	21.	1.51636	2.00587
181.	2.	1.74565	1.76787
181.	3.	1.73448	1.77913
181.	4.	1.72321	1.79055
181.	5.	1.71184	1.80210
181.	6.	1.70039	1.81380
181.	7.	1.68883	1.82564
181.	8.	1.67720	1.83760
181.	9.	1.66547	1.84971
181.	10.	1.65366	1.86194
181.	11.	1.64175	1.87431
181.	12.	1.62977	1.88682
181.	13.	1.61770	1.89945
181.	14.	1.60555	1.91221
181.	15.	1.59333	1.92510

181.	16.	1.58102	1.93812
181.	17.	1.56865	1.95125
181.	18.	1.55620	1.96451
181.	19.	1.54367	1.97789
181.	20.	1.53108	1.99139
181.	21.	1.51842	2.00500
182.	2.	1.74638	1.76846
182.	3.	1.73527	1.77967
182.	4.	1.72406	1.79102
182.	5.	1.71276	1.80251
182.	6.	1.70137	1.81413
182.	7.	1.68988	1.82590
182.	8.	1.67831	1.83779
182.	9.	1.66665	1.84983
182.	10.	1.65490	1.86199
182.	11.	1.64306	1.87430
182.	12.	1.63115	1.88672
182.	13.	1.61915	1.89927
182.	14.	1.60708	1.91196
182.	15.	1.59492	1.92476
182.	16.	1.58269	1.93769
182.	17.	1.57039	1.95074
182.	18.	1.55801	1.96392
182.	19.	1.54556	1.97722
182.	20.	1.53304	1.99062
182.	21.	1.52046	2.00415
183.	2.	1.74710	1.76906
183.	3.	1.73604	1.78021
183.	4.	1.72490	1.79150
183.	5.	1.71367	1.80291
183.	6.	1.70234	1.81447
183.	7.	1.69091	1.82617
183.	8.	1.67940	1.83799
183.	9.	1.66781	1.84995
183.	10.	1.65613	1.86205
183.	11.	1.64437	1.87427
183.	12.	1.63252	1.88662
183.	13.	1.62059	1.89910
183.	14.	1.60858	1.91170
183.	15.	1.59650	1.92442
183.	16.	1.58435	1.93727
183.	17.	1.57211	1.95025
183.	18.	1.55980	1.96333
183.	19.	1.54743	1.97655
183.	20.	1.53499	1.98987
183.	21.	1.52248	2.00331
184.	2.	1.74781	1.76965
184.	3.	1.73681	1.78074
184.	4.	1.72574	1.79195
184.	5.	1.71456	1.80332
184.	6.	1.70329	1.81481
184.	7.	1.69194	1.82643
184.	8.	1.68050	1.83819
184.	9.	1.66896	1.85008
184.	10.	1.65735	1.86210
184.	11.	1.64565	1.87425
184.	12.	1.63387	1.88652

184.	13.	1.62201	1.89892
184.	14.	1.61008	1.91145
184.	15.	1.59807	1.92410
184.	16.	1.58598	1.93687
184.	17.	1.57382	1.94976
184.	18.	1.56159	1.96276
184.	19.	1.54929	1.97588
184.	20.	1.53691	1.98912
184.	21.	1.52448	2.00248
185.	2.	1.74851	1.77024
185.	3.	1.73759	1.78127
185.	4.	1.72656	1.79242
185.	5.	1.71545	1.80371
185.	6.	1.70424	1.81514
185.	7.	1.69295	1.82670
185.	8.	1.68157	1.83838
185.	9.	1.67010	1.85021
185.	10.	1.65856	1.86215
185.	11.	1.64693	1.87424
185.	12.	1.63522	1.88644
185.	13.	1.62343	1.89876
185.	14.	1.61156	1.91121
185.	15.	1.59962	1.92377
185.	16.	1.58760	1.93646
185.	17.	1.57551	1.94928
185.	18.	1.56335	1.96220
185.	19.	1.55112	1.97525
185.	20.	1.53882	1.98839
185.	21.	1.52646	2.00166
186.	2.	1.74921	1.77082
186.	3.	1.73835	1.78178
186.	4.	1.72738	1.79288
186.	5.	1.71633	1.80411
186.	6.	1.70519	1.81547
186.	7.	1.69396	1.82696
186.	8.	1.68264	1.83858
186.	9.	1.67124	1.85034
186.	10.	1.65976	1.86222
186.	11.	1.64819	1.87422
186.	12.	1.63655	1.88635
186.	13.	1.62482	1.89860
186.	14.	1.61303	1.91097
186.	15.	1.60115	1.92346
186.	16.	1.58920	1.93607
186.	17.	1.57718	1.94881
186.	18.	1.56509	1.96165
186.	19.	1.55293	1.97461
186.	20.	1.54071	1.98768
186.	21.	1.52841	2.00086
187.	2.	1.74991	1.77140
187.	3.	1.73910	1.78230
187.	4.	1.72819	1.79334
187.	5.	1.71720	1.80450
187.	6.	1.70612	1.81580
187.	7.	1.69495	1.82723
187.	8.	1.68370	1.83878
187.	9.	1.67236	1.85046

187.	10.	1.66095	1.86227
187.	11.	1.64945	1.87420
187.	12.	1.63786	1.88626
187.	13.	1.62621	1.89843
187.	14.	1.61448	1.91074
187.	15.	1.60267	1.92315
187.	16.	1.59079	1.93568
187.	17.	1.57884	1.94834
187.	18.	1.56682	1.96110
187.	19.	1.55473	1.97397
187.	20.	1.54258	1.98697
187.	21.	1.53035	2.00007
188.	2.	1.75059	1.77197
188.	3.	1.73984	1.78282
188.	4.	1.72900	1.79379
188.	5.	1.71806	1.80489
188.	6.	1.70704	1.81613
188.	7.	1.69594	1.82749
188.	8.	1.68475	1.83897
188.	9.	1.67348	1.85059
188.	10.	1.66212	1.86233
188.	11.	1.65069	1.87420
188.	12.	1.63918	1.88617
188.	13.	1.62758	1.89829
188.	14.	1.61592	1.91051
188.	15.	1.60418	1.92284
188.	16.	1.59236	1.93531
188.	17.	1.58048	1.94788
188.	18.	1.56853	1.96057
188.	19.	1.55651	1.97336
188.	20.	1.54443	1.98627
188.	21.	1.53228	1.99929
189.	2.	1.75128	1.77254
189.	3.	1.74058	1.78332
189.	4.	1.72980	1.79424
189.	5.	1.71892	1.80528
189.	6.	1.70796	1.81645
189.	7.	1.69691	1.82775
189.	8.	1.68579	1.83917
189.	9.	1.67458	1.85072
189.	10.	1.66328	1.86239
189.	11.	1.65192	1.87419
189.	12.	1.64047	1.88610
189.	13.	1.62894	1.89813
189.	14.	1.61734	1.91028
189.	15.	1.60567	1.92255
189.	16.	1.59393	1.93493
189.	17.	1.58211	1.94743
189.	18.	1.57022	1.96003
189.	19.	1.55828	1.97275
189.	20.	1.54625	1.98558
189.	21.	1.53417	1.99852
190.	2.	1.75196	1.77311
190.	3.	1.74132	1.78383
190.	4.	1.73059	1.79468
190.	5.	1.71977	1.80567
190.	6.	1.70887	1.81678

190.	7.	1.69789	1.82801
190.	8.	1.68682	1.83937
190.	9.	1.67567	1.85086
190.	10.	1.66444	1.86246
190.	11.	1.65313	1.87418
190.	12.	1.64175	1.88602
190.	13.	1.63028	1.89798
190.	14.	1.61875	1.91007
190.	15.	1.60714	1.92226
190.	16.	1.59547	1.93456
190.	17.	1.58372	1.94699
190.	18.	1.57190	1.95952
190.	19.	1.56001	1.97216
190.	20.	1.54807	1.98490
190.	21.	1.53605	1.99776
191.	2.	1.75262	1.77366
191.	3.	1.74204	1.78433
191.	4.	1.73138	1.79513
191.	5.	1.72061	1.80605
191.	6.	1.70978	1.81711
191.	7.	1.69884	1.82827
191.	8.	1.68784	1.83957
191.	9.	1.67675	1.85098
191.	10.	1.66558	1.86252
191.	11.	1.65434	1.87418
191.	12.	1.64301	1.88595
191.	13.	1.63162	1.89784
191.	14.	1.62015	1.90985
191.	15.	1.60861	1.92197
191.	16.	1.59699	1.93421
191.	17.	1.58531	1.94654
191.	18.	1.57356	1.95900
191.	19.	1.56175	1.97157
191.	20.	1.54987	1.98424
191.	21.	1.53792	1.99702
192.	2.	1.75329	1.77422
192.	3.	1.74277	1.78483
192.	4.	1.73215	1.79557
192.	5.	1.72145	1.80644
192.	6.	1.71066	1.81743
192.	7.	1.69980	1.82854
192.	8.	1.68885	1.83977
192.	9.	1.67783	1.85111
192.	10.	1.66671	1.86259
192.	11.	1.65553	1.87418
192.	12.	1.64427	1.88588
192.	13.	1.63294	1.89770
192.	14.	1.62153	1.90964
192.	15.	1.61006	1.92168
192.	16.	1.59851	1.93385
192.	17.	1.58689	1.94612
192.	18.	1.57520	1.95850
192.	19.	1.56345	1.97099
192.	20.	1.55165	1.98358
192.	21.	1.53977	1.99628
193.	2.	1.75396	1.77477
193.	3.	1.74348	1.78533

193.	4.	1.73293	1.79601
193.	5.	1.72228	1.80682
193.	6.	1.71155	1.81775
193.	7.	1.70074	1.82879
193.	8.	1.68986	1.83996
193.	9.	1.67889	1.85125
193.	10.	1.66784	1.86266
193.	11.	1.65672	1.87417
193.	12.	1.64553	1.88581
193.	13.	1.63425	1.89756
193.	14.	1.62290	1.90943
193.	15.	1.61149	1.92141
193.	16.	1.60000	1.93349
193.	17.	1.58845	1.94569
193.	18.	1.57683	1.95800
193.	19.	1.56515	1.97041
193.	20.	1.55341	1.98293
193.	21.	1.54159	1.99555
194.	2.	1.75461	1.77533
194.	3.	1.74419	1.78583
194.	4.	1.73369	1.79645
194.	5.	1.72310	1.80719
194.	6.	1.71243	1.81806
194.	7.	1.70168	1.82905
194.	8.	1.69085	1.84016
194.	9.	1.67994	1.85138
194.	10.	1.66895	1.86272
194.	11.	1.65789	1.87418
194.	12.	1.64676	1.88575
194.	13.	1.63554	1.89743
194.	14.	1.62427	1.90923
194.	15.	1.61291	1.92114
194.	16.	1.60149	1.93315
194.	17.	1.59001	1.94529
194.	18.	1.57845	1.95752
194.	19.	1.56683	1.96985
194.	20.	1.55514	1.98230
194.	21.	1.54341	1.99484
195.	2.	1.75526	1.77586
195.	3.	1.74490	1.78632
195.	4.	1.73445	1.79688
195.	5.	1.72392	1.80757
195.	6.	1.71330	1.81838
195.	7.	1.70261	1.82930
195.	8.	1.69183	1.84035
195.	9.	1.68099	1.85151
195.	10.	1.67005	1.86279
195.	11.	1.65905	1.87418
195.	12.	1.64798	1.88569
195.	13.	1.63683	1.89731
195.	14.	1.62561	1.90903
195.	15.	1.61432	1.92087
195.	16.	1.60296	1.93282
195.	17.	1.59154	1.94487
195.	18.	1.58005	1.95704
195.	19.	1.56849	1.96930
195.	20.	1.55687	1.98166



195.	21.	1.54520	1.99413
196.	2.	1.75591	1.77640
196.	3.	1.74559	1.78680
196.	4.	1.73520	1.79731
196.	5.	1.72473	1.80794
196.	6.	1.71416	1.81869
196.	7.	1.70352	1.82956
196.	8.	1.69282	1.84055
196.	9.	1.68202	1.85164
196.	10.	1.67115	1.86286
196.	11.	1.66020	1.87419
196.	12.	1.64919	1.88563
196.	13.	1.63810	1.89718
196.	14.	1.62695	1.90884
196.	15.	1.61571	1.92061
196.	16.	1.60442	1.93249
196.	17.	1.59306	1.94447
196.	18.	1.58164	1.95656
196.	19.	1.57014	1.96875
196.	20.	1.55859	1.98104
196.	21.	1.54697	1.99344
197.	2.	1.75655	1.77694
197.	3.	1.74629	1.78728
197.	4.	1.73595	1.79774
197.	5.	1.72553	1.80831
197.	6.	1.71502	1.81900
197.	7.	1.70444	1.82982
197.	8.	1.69378	1.84074
197.	9.	1.68305	1.85178
197.	10.	1.67223	1.86293
197.	11.	1.66135	1.87419
197.	12.	1.65039	1.88558
197.	13.	1.63936	1.89705
197.	14.	1.62827	1.90865
197.	15.	1.61710	1.92036
197.	16.	1.60586	1.93216
197.	17.	1.59456	1.94408
197.	18.	1.58320	1.95609
197.	19.	1.57177	1.96821
197.	20.	1.56028	1.98043
197.	21.	1.54873	1.99275
198.	2.	1.75719	1.77747
198.	3.	1.74698	1.78776
198.	4.	1.73669	1.79817
198.	5.	1.72632	1.80868
198.	6.	1.71588	1.81932
198.	7.	1.70534	1.83007
198.	8.	1.69474	1.84094
198.	9.	1.68406	1.85192
198.	10.	1.67330	1.86301
198.	11.	1.66248	1.87420
198.	12.	1.65159	1.88552
198.	13.	1.64061	1.89694
198.	14.	1.62957	1.90846
198.	15.	1.61846	1.92010
198.	16.	1.60730	1.93184
198.	17.	1.59605	1.94368

198.	18.	1.58476	1.95563
198.	19.	1.57338	1.96769
198.	20.	1.56196	1.97983
198.	21.	1.55047	1.99208
199.	2.	1.75781	1.77800
199.	3.	1.74766	1.78824
199.	4.	1.73743	1.79858
199.	5.	1.72711	1.80905
199.	6.	1.71671	1.81963
199.	7.	1.70624	1.83032
199.	8.	1.69569	1.84113
199.	9.	1.68507	1.85205
199.	10.	1.67437	1.86308
199.	11.	1.66360	1.87422
199.	12.	1.65277	1.88547
199.	13.	1.64185	1.89683
199.	14.	1.63088	1.90828
199.	15.	1.61983	1.91985
199.	16.	1.60872	1.93152
199.	17.	1.59754	1.94330
199.	18.	1.58629	1.95518
199.	19.	1.57499	1.96716
199.	20.	1.56362	1.97923
199.	21.	1.55220	1.99141
200.	2.	1.75844	1.77852
200.	3.	1.74833	1.78871
200.	4.	1.73815	1.79901
200.	5.	1.72789	1.80942
200.	6.	1.71755	1.81994
200.	7.	1.70713	1.83057
200.	8.	1.69663	1.84133
200.	9.	1.68607	1.85219
200.	10.	1.67543	1.86316
200.	11.	1.66471	1.87423
200.	12.	1.65394	1.88541
200.	13.	1.64308	1.89671
200.	14.	1.63216	1.90810
200.	15.	1.62117	1.91961
200.	16.	1.61011	1.93122
200.	17.	1.59900	1.94292
200.	18.	1.58781	1.95473
200.	19.	1.57657	1.96665
200.	20.	1.56527	1.97865
200.	21.	1.55390	1.99075

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

**T=200,210,220,....,500, K=2 to 21**

K includes intercept

T	K	dL	dU
200.	2.	1.75844	1.77852
200.	3.	1.74833	1.78871

200.	4.	1.73815	1.79901
200.	5.	1.72789	1.80942
200.	6.	1.71755	1.81994
200.	7.	1.70713	1.83057
200.	8.	1.69663	1.84133
200.	9.	1.68607	1.85219
200.	10.	1.67543	1.86316
200.	11.	1.66471	1.87423
200.	12.	1.65394	1.88541
200.	13.	1.64308	1.89671
200.	14.	1.63216	1.90810
200.	15.	1.62117	1.91961
200.	16.	1.61011	1.93122
200.	17.	1.59900	1.94292
200.	18.	1.58781	1.95473
200.	19.	1.57657	1.96665
200.	20.	1.56527	1.97865
200.	21.	1.55390	1.99075
210.	2.	1.76445	1.78358
210.	3.	1.75483	1.79326
210.	4.	1.74513	1.80305
210.	5.	1.73537	1.81295
210.	6.	1.72554	1.82294
210.	7.	1.71563	1.83305
210.	8.	1.70566	1.84325
210.	9.	1.69561	1.85355
210.	10.	1.68550	1.86394
210.	11.	1.67532	1.87445
210.	12.	1.66508	1.88505
210.	13.	1.65478	1.89574
210.	14.	1.64441	1.90653
210.	15.	1.63398	1.91742
210.	16.	1.62348	1.92839
210.	17.	1.61293	1.93947
210.	18.	1.60232	1.95063
210.	19.	1.59165	1.96188
210.	20.	1.58094	1.97323
210.	21.	1.57015	1.98467
220.	2.	1.77003	1.78829
220.	3.	1.76086	1.79753
220.	4.	1.75161	1.80686
220.	5.	1.74229	1.81628
220.	6.	1.73292	1.82581
220.	7.	1.72348	1.83543
220.	8.	1.71398	1.84513
220.	9.	1.70441	1.85492
220.	10.	1.69477	1.86482
220.	11.	1.68509	1.87479
220.	12.	1.67533	1.88486
220.	13.	1.66552	1.89502
220.	14.	1.65566	1.90526
220.	15.	1.64573	1.91559
220.	16.	1.63575	1.92601
220.	17.	1.62571	1.93651
220.	18.	1.61562	1.94710
220.	19.	1.60547	1.95776
220.	20.	1.59527	1.96852

220.	21.	1.58503	1.97935
230.	2.	1.77525	1.79270
230.	3.	1.76647	1.80154
230.	4.	1.75763	1.81045
230.	5.	1.74873	1.81945
230.	6.	1.73977	1.82854
230.	7.	1.73075	1.83771
230.	8.	1.72168	1.84697
230.	9.	1.71254	1.85632
230.	10.	1.70335	1.86574
230.	11.	1.69410	1.87524
230.	12.	1.68479	1.88483
230.	13.	1.67544	1.89450
230.	14.	1.66602	1.90424
230.	15.	1.65655	1.91407
230.	16.	1.64703	1.92398
230.	17.	1.63746	1.93397
230.	18.	1.62784	1.94403
230.	19.	1.61816	1.95417
230.	20.	1.60844	1.96439
230.	21.	1.59868	1.97467
240.	2.	1.78012	1.79685
240.	3.	1.77171	1.80530
240.	4.	1.76325	1.81384
240.	5.	1.75473	1.82246
240.	6.	1.74616	1.83115
240.	7.	1.73752	1.83992
240.	8.	1.72883	1.84876
240.	9.	1.72009	1.85769
240.	10.	1.71129	1.86669
240.	11.	1.70245	1.87576
240.	12.	1.69356	1.88492
240.	13.	1.68460	1.89415
240.	14.	1.67561	1.90345
240.	15.	1.66656	1.91282
240.	16.	1.65746	1.92226
240.	17.	1.64832	1.93178
240.	18.	1.63913	1.94137
240.	19.	1.62988	1.95102
240.	20.	1.62060	1.96075
240.	21.	1.61128	1.97055
250.	2.	1.78469	1.80075
250.	3.	1.77662	1.80887
250.	4.	1.76851	1.81706
250.	5.	1.76033	1.82531
250.	6.	1.75211	1.83364
250.	7.	1.74383	1.84204
250.	8.	1.73550	1.85051
250.	9.	1.72713	1.85906
250.	10.	1.71870	1.86768
250.	11.	1.71022	1.87636
250.	12.	1.70170	1.88511
250.	13.	1.69312	1.89393
250.	14.	1.68451	1.90282
250.	15.	1.67584	1.91178
250.	16.	1.66714	1.92080
250.	17.	1.65838	1.92989

250.	18.	1.64959	1.93904
250.	19.	1.64074	1.94827
250.	20.	1.63186	1.95755
250.	21.	1.62293	1.96690
260.	2.	1.78900	1.80444
260.	3.	1.78125	1.81223
260.	4.	1.77344	1.82010
260.	5.	1.76558	1.82803
260.	6.	1.75768	1.83603
260.	7.	1.74973	1.84409
260.	8.	1.74173	1.85222
260.	9.	1.73369	1.86041
260.	10.	1.72561	1.86867
260.	11.	1.71747	1.87699
260.	12.	1.70928	1.88538
260.	13.	1.70107	1.89383
260.	14.	1.69280	1.90234
260.	15.	1.68449	1.91092
260.	16.	1.67613	1.91956
260.	17.	1.66774	1.92826
260.	18.	1.65930	1.93702
260.	19.	1.65082	1.94583
260.	20.	1.64231	1.95471
260.	21.	1.63375	1.96366
270.	2.	1.79306	1.80792
270.	3.	1.78560	1.81543
270.	4.	1.77808	1.82300
270.	5.	1.77052	1.83062
270.	6.	1.76292	1.83831
270.	7.	1.75528	1.84606
270.	8.	1.74758	1.85387
270.	9.	1.73984	1.86174
270.	10.	1.73207	1.86967
270.	11.	1.72425	1.87767
270.	12.	1.71638	1.88572
270.	13.	1.70849	1.89382
270.	14.	1.70054	1.90200
270.	15.	1.69256	1.91023
270.	16.	1.68453	1.91851
270.	17.	1.67647	1.92684
270.	18.	1.66836	1.93524
270.	19.	1.66022	1.94369
270.	20.	1.65204	1.95220
270.	21.	1.64382	1.96077
280.	2.	1.79690	1.81123
280.	3.	1.78970	1.81846
280.	4.	1.78245	1.82575
280.	5.	1.77517	1.83309
280.	6.	1.76784	1.84051
280.	7.	1.76048	1.84797
280.	8.	1.75307	1.85549
280.	9.	1.74563	1.86305
280.	10.	1.73814	1.87068
280.	11.	1.73061	1.87837
280.	12.	1.72304	1.88611
280.	13.	1.71543	1.89390
280.	14.	1.70778	1.90175

280.	15.	1.70011	1.90965
280.	16.	1.69238	1.91761
280.	17.	1.68463	1.92562
280.	18.	1.67682	1.93368
280.	19.	1.66900	1.94180
280.	20.	1.66113	1.94996
280.	21.	1.65323	1.95819
290.	2.	1.80053	1.81436
290.	3.	1.79358	1.82134
290.	4.	1.78660	1.82838
290.	5.	1.77956	1.83546
290.	6.	1.77250	1.84261
290.	7.	1.76539	1.84980
290.	8.	1.75825	1.85704
290.	9.	1.75106	1.86434
290.	10.	1.74384	1.87169
290.	11.	1.73659	1.87909
290.	12.	1.72929	1.88655
290.	13.	1.72196	1.89405
290.	14.	1.71459	1.90161
290.	15.	1.70718	1.90921
290.	16.	1.69975	1.91686
290.	17.	1.69227	1.92456
290.	18.	1.68477	1.93232
290.	19.	1.67722	1.94012
290.	20.	1.66964	1.94798
290.	21.	1.66204	1.95587
300.	2.	1.80398	1.81735
300.	3.	1.79726	1.82410
300.	4.	1.79051	1.83088
300.	5.	1.78371	1.83773
300.	6.	1.77689	1.84463
300.	7.	1.77003	1.85157
300.	8.	1.76313	1.85856
300.	9.	1.75619	1.86560
300.	10.	1.74921	1.87269
300.	11.	1.74222	1.87983
300.	12.	1.73518	1.88702
300.	13.	1.72810	1.89425
300.	14.	1.72099	1.90152
300.	15.	1.71385	1.90885
300.	16.	1.70667	1.91623
300.	17.	1.69946	1.92365
300.	18.	1.69221	1.93111
300.	19.	1.68494	1.93863
300.	20.	1.67764	1.94619
300.	21.	1.67030	1.95379
310.	2.	1.80725	1.82019
310.	3.	1.80076	1.82672
310.	4.	1.79422	1.83329
310.	5.	1.78766	1.83991
310.	6.	1.78105	1.84657
310.	7.	1.77441	1.85328
310.	8.	1.76774	1.86003
310.	9.	1.76104	1.86683
310.	10.	1.75430	1.87368
310.	11.	1.74753	1.88058

310.	12.	1.74072	1.88751
310.	13.	1.73389	1.89449
310.	14.	1.72703	1.90152
310.	15.	1.72012	1.90859
310.	16.	1.71319	1.91571
310.	17.	1.70622	1.92286
310.	18.	1.69923	1.93006
310.	19.	1.69221	1.93731
310.	20.	1.68516	1.94459
310.	21.	1.67807	1.95192
320.	2.	1.81037	1.82291
320.	3.	1.80408	1.82922
320.	4.	1.79775	1.83559
320.	5.	1.79139	1.84199
320.	6.	1.78500	1.84844
320.	7.	1.77857	1.85494
320.	8.	1.77211	1.86147
320.	9.	1.76563	1.86804
320.	10.	1.75911	1.87466
320.	11.	1.75256	1.88133
320.	12.	1.74598	1.88804
320.	13.	1.73937	1.89478
320.	14.	1.73272	1.90156
320.	15.	1.72605	1.90840
320.	16.	1.71935	1.91527
320.	17.	1.71262	1.92218
320.	18.	1.70585	1.92913
320.	19.	1.69906	1.93613
320.	20.	1.69225	1.94316
320.	21.	1.68540	1.95024
330.	2.	1.81335	1.82550
330.	3.	1.80724	1.83162
330.	4.	1.80111	1.83779
330.	5.	1.79495	1.84400
330.	6.	1.78876	1.85024
330.	7.	1.78252	1.85653
330.	8.	1.77627	1.86286
330.	9.	1.76999	1.86923
330.	10.	1.76367	1.87563
330.	11.	1.75733	1.88209
330.	12.	1.75095	1.88857
330.	13.	1.74455	1.89510
330.	14.	1.73812	1.90167
330.	15.	1.73165	1.90827
330.	16.	1.72517	1.91492
330.	17.	1.71865	1.92159
330.	18.	1.71210	1.92832
330.	19.	1.70554	1.93507
330.	20.	1.69893	1.94187
330.	21.	1.69231	1.94870
340.	2.	1.81618	1.82799
340.	3.	1.81026	1.83392
340.	4.	1.80432	1.83990
340.	5.	1.79834	1.84592
340.	6.	1.79233	1.85198
340.	7.	1.78629	1.85808
340.	8.	1.78022	1.86420

340.	9.	1.77413	1.87038
340.	10.	1.76800	1.87659
340.	11.	1.76185	1.88284
340.	12.	1.75567	1.88913
340.	13.	1.74947	1.89545
340.	14.	1.74323	1.90180
340.	15.	1.73697	1.90819
340.	16.	1.73068	1.91463
340.	17.	1.72437	1.92109
340.	18.	1.71803	1.92760
340.	19.	1.71166	1.93414
340.	20.	1.70527	1.94072
340.	21.	1.69885	1.94732
350.	2.	1.81890	1.83036
350.	3.	1.81315	1.83613
350.	4.	1.80737	1.84193
350.	5.	1.80157	1.84778
350.	6.	1.79573	1.85366
350.	7.	1.78987	1.85957
350.	8.	1.78398	1.86553
350.	9.	1.77806	1.87151
350.	10.	1.77211	1.87753
350.	11.	1.76615	1.88359
350.	12.	1.76015	1.88969
350.	13.	1.75414	1.89581
350.	14.	1.74808	1.90198
350.	15.	1.74201	1.90818
350.	16.	1.73592	1.91441
350.	17.	1.72979	1.92068
350.	18.	1.72364	1.92698
350.	19.	1.71747	1.93331
350.	20.	1.71127	1.93967
350.	21.	1.70505	1.94608
360.	2.	1.82150	1.83264
360.	3.	1.81591	1.83825
360.	4.	1.81029	1.84389
360.	5.	1.80465	1.84957
360.	6.	1.79898	1.85527
360.	7.	1.79328	1.86102
360.	8.	1.78756	1.86681
360.	9.	1.78182	1.87261
360.	10.	1.77604	1.87846
360.	11.	1.77025	1.88434
360.	12.	1.76442	1.89026
360.	13.	1.75858	1.89620
360.	14.	1.75270	1.90218
360.	15.	1.74681	1.90819
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360.	17.	1.73494	1.92032
360.	18.	1.72898	1.92643
360.	19.	1.72299	1.93257
360.	20.	1.71697	1.93874
360.	21.	1.71094	1.94494
370.	2.	1.82399	1.83483
370.	3.	1.81855	1.84029
370.	4.	1.81309	1.84577
370.	5.	1.80760	1.85129



370.	6.	1.80209	1.85685
370.	7.	1.79655	1.86242
370.	8.	1.79098	1.86805
370.	9.	1.78540	1.87369
370.	10.	1.77978	1.87938
370.	11.	1.77415	1.88509
370.	12.	1.76849	1.89083
370.	13.	1.76281	1.89660
370.	14.	1.75711	1.90241
370.	15.	1.75137	1.90825
370.	16.	1.74562	1.91412
370.	17.	1.73985	1.92002
370.	18.	1.73406	1.92595
370.	19.	1.72824	1.93191
370.	20.	1.72240	1.93789
370.	21.	1.71653	1.94392
380.	2.	1.82639	1.83694
380.	3.	1.82109	1.84225
380.	4.	1.81577	1.84758
380.	5.	1.81043	1.85296
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380.	7.	1.79967	1.86379
380.	8.	1.79426	1.86925
380.	9.	1.78883	1.87475
380.	10.	1.78336	1.88027
380.	11.	1.77788	1.88582
380.	12.	1.77238	1.89141
380.	13.	1.76685	1.89702
380.	14.	1.76130	1.90266
380.	15.	1.75573	1.90834
380.	16.	1.75014	1.91404
380.	17.	1.74452	1.91977
380.	18.	1.73889	1.92553
380.	19.	1.73323	1.93132
380.	20.	1.72755	1.93714
380.	21.	1.72186	1.94298
390.	2.	1.82868	1.83896
390.	3.	1.82352	1.84413
390.	4.	1.81834	1.84933
390.	5.	1.81314	1.85457
390.	6.	1.80791	1.85982
390.	7.	1.80266	1.86512
390.	8.	1.79739	1.87043
390.	9.	1.79210	1.87578
390.	10.	1.78678	1.88115
390.	11.	1.78145	1.88656
390.	12.	1.77609	1.89200
390.	13.	1.77071	1.89746
390.	14.	1.76532	1.90294
390.	15.	1.75989	1.90846
390.	16.	1.75445	1.91401
390.	17.	1.74898	1.91957
390.	18.	1.74351	1.92517
390.	19.	1.73800	1.93080
390.	20.	1.73248	1.93646
390.	21.	1.72693	1.94213
400.	2.	1.83089	1.84091

400.	3.	1.82586	1.84596
400.	4.	1.82081	1.85103
400.	5.	1.81574	1.85612
400.	6.	1.81064	1.86124
400.	7.	1.80553	1.86640
400.	8.	1.80039	1.87158
400.	9.	1.79524	1.87678
400.	10.	1.79006	1.88202
400.	11.	1.78486	1.88728
400.	12.	1.77964	1.89258
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400.	17.	1.75324	1.91942
400.	18.	1.74791	1.92486
400.	19.	1.74255	1.93034
400.	20.	1.73717	1.93584
400.	21.	1.73177	1.94136
410.	2.	1.83301	1.84279
410.	3.	1.82811	1.84771
410.	4.	1.82318	1.85265
410.	5.	1.81824	1.85763
410.	6.	1.81327	1.86263
410.	7.	1.80828	1.86765
410.	8.	1.80327	1.87269
410.	9.	1.79825	1.87777
410.	10.	1.79320	1.88287
410.	11.	1.78814	1.88800
410.	12.	1.78305	1.89315
410.	13.	1.77794	1.89833
410.	14.	1.77281	1.90354
410.	15.	1.76767	1.90877
410.	16.	1.76250	1.91401
410.	17.	1.75732	1.91930
410.	18.	1.75212	1.92460
410.	19.	1.74690	1.92993
410.	20.	1.74166	1.93528
410.	21.	1.73640	1.94066
420.	2.	1.83507	1.84461
420.	3.	1.83028	1.84941
420.	4.	1.82546	1.85423
420.	5.	1.82064	1.85908
420.	6.	1.81579	1.86396
420.	7.	1.81093	1.86886
420.	8.	1.80604	1.87379
420.	9.	1.80114	1.87874
420.	10.	1.79621	1.88371
420.	11.	1.79127	1.88871
420.	12.	1.78631	1.89373
420.	13.	1.78133	1.89878
420.	14.	1.77633	1.90385
420.	15.	1.77132	1.90895
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420.	17.	1.76122	1.91922
420.	18.	1.75615	1.92438
420.	19.	1.75107	1.92957

420.	20.	1.74596	1.93478
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430.	2.	1.83704	1.84636
430.	3.	1.83236	1.85105
430.	4.	1.82767	1.85576
430.	5.	1.82296	1.86050
430.	6.	1.81823	1.86525
430.	7.	1.81348	1.87004
430.	8.	1.80871	1.87484
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430.	13.	1.78458	1.89923
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430.	17.	1.76497	1.91915
430.	18.	1.76002	1.92420
430.	19.	1.75506	1.92925
430.	20.	1.75007	1.93433
430.	21.	1.74508	1.93944
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440.	3.	1.83438	1.85264
440.	4.	1.82979	1.85724
440.	5.	1.82518	1.86187
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440.	7.	1.81592	1.87119
440.	8.	1.81126	1.87588
440.	9.	1.80659	1.88060
440.	10.	1.80189	1.88533
440.	11.	1.79718	1.89010
440.	12.	1.79245	1.89488
440.	13.	1.78770	1.89968
440.	14.	1.78295	1.90451
440.	15.	1.77817	1.90937
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440.	17.	1.76856	1.91913
440.	18.	1.76373	1.92404
440.	19.	1.75888	1.92898
440.	20.	1.75403	1.93393
440.	21.	1.74914	1.93891
450.	2.	1.84079	1.84970
450.	3.	1.83632	1.85418
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450.	5.	1.82734	1.86320
450.	6.	1.82282	1.86774
450.	7.	1.81828	1.87230
450.	8.	1.81373	1.87688
450.	9.	1.80916	1.88150
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450.	11.	1.79997	1.89077
450.	12.	1.79535	1.89545
450.	13.	1.79071	1.90014
450.	14.	1.78607	1.90485
450.	15.	1.78139	1.90959
450.	16.	1.77671	1.91434

450.	17.	1.77201	1.91912
450.	18.	1.76730	1.92392
450.	19.	1.76256	1.92874
450.	20.	1.75781	1.93358
450.	21.	1.75305	1.93844
460.	2.	1.84257	1.85128
460.	3.	1.83820	1.85567
460.	4.	1.83381	1.86007
460.	5.	1.82941	1.86449
460.	6.	1.82499	1.86893
460.	7.	1.82056	1.87339
460.	8.	1.81611	1.87787
460.	9.	1.81163	1.88238
460.	10.	1.80716	1.88690
460.	11.	1.80265	1.89144
460.	12.	1.79813	1.89601
460.	13.	1.79361	1.90060
460.	14.	1.78906	1.90520
460.	15.	1.78450	1.90983
460.	16.	1.77992	1.91447
460.	17.	1.77532	1.91914
460.	18.	1.77072	1.92382
460.	19.	1.76610	1.92853
460.	20.	1.76145	1.93325
460.	21.	1.75680	1.93800
470.	2.	1.84429	1.85282
470.	3.	1.84002	1.85711
470.	4.	1.83572	1.86141
470.	5.	1.83142	1.86574
470.	6.	1.82709	1.87009
470.	7.	1.82275	1.87445
470.	8.	1.81840	1.87883
470.	9.	1.81403	1.88324
470.	10.	1.80964	1.88767
470.	11.	1.80524	1.89211
470.	12.	1.80083	1.89657
470.	13.	1.79640	1.90105
470.	14.	1.79195	1.90556
470.	15.	1.78749	1.91008
470.	16.	1.78301	1.91461
470.	17.	1.77852	1.91918
470.	18.	1.77401	1.92376
470.	19.	1.76949	1.92835
470.	20.	1.76496	1.93296
470.	21.	1.76041	1.93760
480.	2.	1.84596	1.85431
480.	3.	1.84177	1.85851
480.	4.	1.83757	1.86272
480.	5.	1.83336	1.86695
480.	6.	1.82912	1.87121
480.	7.	1.82488	1.87548
480.	8.	1.82061	1.87977
480.	9.	1.81634	1.88408
480.	10.	1.81205	1.88841
480.	11.	1.80774	1.89276
480.	12.	1.80341	1.89712
480.	13.	1.79908	1.90151

480.	14.	1.79473	1.90591
480.	15.	1.79036	1.91034
480.	16.	1.78599	1.91477
480.	17.	1.78159	1.91923
480.	18.	1.77719	1.92371
480.	19.	1.77276	1.92820
480.	20.	1.76833	1.93271
480.	21.	1.76388	1.93725
490.	2.	1.84758	1.85576
490.	3.	1.84348	1.85987
490.	4.	1.83937	1.86399
490.	5.	1.83523	1.86814
490.	6.	1.83109	1.87231
490.	7.	1.82693	1.87649
490.	8.	1.82275	1.88069
490.	9.	1.81857	1.88491
490.	10.	1.81437	1.88915
490.	11.	1.81015	1.89340
490.	12.	1.80592	1.89767
490.	13.	1.80167	1.90197
490.	14.	1.79741	1.90628
490.	15.	1.79314	1.91059
490.	16.	1.78885	1.91494
490.	17.	1.78456	1.91930
490.	18.	1.78024	1.92368
490.	19.	1.77592	1.92807
490.	20.	1.77157	1.93249
490.	21.	1.76722	1.93692
500.	2.	1.84914	1.85716
500.	3.	1.84513	1.86119
500.	4.	1.84110	1.86523
500.	5.	1.83705	1.86929
500.	6.	1.83298	1.87337
500.	7.	1.82892	1.87747
500.	8.	1.82482	1.88158
500.	9.	1.82072	1.88572
500.	10.	1.81661	1.88986
500.	11.	1.81247	1.89403
500.	12.	1.80834	1.89821
500.	13.	1.80417	1.90242
500.	14.	1.80001	1.90663
500.	15.	1.79582	1.91087
500.	16.	1.79163	1.91512
500.	17.	1.78742	1.91938
500.	18.	1.78319	1.92368
500.	19.	1.77896	1.92798
500.	20.	1.77471	1.93229
500.	21.	1.77044	1.93663

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

**T=500,550,600,....,2000, K=2 to 21**

**K includes intercept**

T	K	dL	dU
500.	2.	1.84914	1.85716
500.	3.	1.84513	1.86119
500.	4.	1.84110	1.86523
500.	5.	1.83705	1.86929
500.	6.	1.83298	1.87337
500.	7.	1.82892	1.87747
500.	8.	1.82482	1.88158
500.	9.	1.82072	1.88572
500.	10.	1.81661	1.88986
500.	11.	1.81247	1.89403
500.	12.	1.80834	1.89821
500.	13.	1.80417	1.90242
500.	14.	1.80001	1.90663
500.	15.	1.79582	1.91087
500.	16.	1.79163	1.91512
500.	17.	1.78742	1.91938
500.	18.	1.78319	1.92368
500.	19.	1.77896	1.92798
500.	20.	1.77471	1.93229
500.	21.	1.77044	1.93663
550.	2.	1.85632	1.86361
550.	3.	1.85267	1.86727
550.	4.	1.84901	1.87094
550.	5.	1.84533	1.87462
550.	6.	1.84165	1.87833
550.	7.	1.83794	1.88204
550.	8.	1.83423	1.88578
550.	9.	1.83051	1.88952
550.	10.	1.82678	1.89327
550.	11.	1.82303	1.89705
550.	12.	1.81928	1.90084
550.	13.	1.81551	1.90464
550.	14.	1.81173	1.90845
550.	15.	1.80794	1.91228
550.	16.	1.80414	1.91613
550.	17.	1.80033	1.91998
550.	18.	1.79651	1.92386
550.	19.	1.79268	1.92774
550.	20.	1.78883	1.93164
550.	21.	1.78497	1.93555
600.	2.	1.86257	1.86925
600.	3.	1.85922	1.87259
600.	4.	1.85587	1.87596
600.	5.	1.85250	1.87934
600.	6.	1.84913	1.88273
600.	7.	1.84574	1.88612
600.	8.	1.84235	1.88954
600.	9.	1.83894	1.89296
600.	10.	1.83552	1.89640
600.	11.	1.83210	1.89984
600.	12.	1.82866	1.90331
600.	13.	1.82522	1.90677
600.	14.	1.82177	1.91026
600.	15.	1.81830	1.91375

600.	16.	1.81483	1.91727
600.	17.	1.81134	1.92078
600.	18.	1.80785	1.92431
600.	19.	1.80435	1.92786
600.	20.	1.80085	1.93141
600.	21.	1.79733	1.93497
650.	2.	1.86807	1.87423
650.	3.	1.86498	1.87733
650.	4.	1.86189	1.88043
650.	5.	1.85878	1.88354
650.	6.	1.85567	1.88667
650.	7.	1.85254	1.88980
650.	8.	1.84942	1.89295
650.	9.	1.84627	1.89610
650.	10.	1.84313	1.89926
650.	11.	1.83997	1.90244
650.	12.	1.83681	1.90562
650.	13.	1.83364	1.90882
650.	14.	1.83045	1.91202
650.	15.	1.82727	1.91523
650.	16.	1.82408	1.91846
650.	17.	1.82087	1.92169
650.	18.	1.81766	1.92494
650.	19.	1.81444	1.92819
650.	20.	1.81120	1.93145
650.	21.	1.80797	1.93473
700.	2.	1.87297	1.87869
700.	3.	1.87010	1.88156
700.	4.	1.86722	1.88443
700.	5.	1.86435	1.88732
700.	6.	1.86145	1.89022
700.	7.	1.85856	1.89313
700.	8.	1.85566	1.89604
700.	9.	1.85274	1.89897
700.	10.	1.84982	1.90190
700.	11.	1.84690	1.90484
700.	12.	1.84397	1.90779
700.	13.	1.84102	1.91074
700.	14.	1.83808	1.91371
700.	15.	1.83513	1.91669
700.	16.	1.83217	1.91967
700.	17.	1.82920	1.92267
700.	18.	1.82622	1.92567
700.	19.	1.82324	1.92868
700.	20.	1.82025	1.93169
700.	21.	1.81726	1.93473
750.	2.	1.87736	1.88270
750.	3.	1.87468	1.88537
750.	4.	1.87200	1.88806
750.	5.	1.86931	1.89076
750.	6.	1.86662	1.89346
750.	7.	1.86391	1.89616
750.	8.	1.86121	1.89888
750.	9.	1.85850	1.90161
750.	10.	1.85578	1.90434
750.	11.	1.85305	1.90708
750.	12.	1.85031	1.90982

750.	13.	1.84758	1.91258
750.	14.	1.84483	1.91534
750.	15.	1.84208	1.91811
750.	16.	1.83933	1.92088
750.	17.	1.83656	1.92367
750.	18.	1.83378	1.92647
750.	19.	1.83102	1.92927
750.	20.	1.82823	1.93207
750.	21.	1.82545	1.93489
800.	2.	1.88132	1.88633
800.	3.	1.87882	1.88884
800.	4.	1.87630	1.89135
800.	5.	1.87379	1.89388
800.	6.	1.87126	1.89641
800.	7.	1.86873	1.89894
800.	8.	1.86619	1.90149
800.	9.	1.86365	1.90404
800.	10.	1.86110	1.90660
800.	11.	1.85855	1.90916
800.	12.	1.85599	1.91174
800.	13.	1.85343	1.91431
800.	14.	1.85086	1.91690
800.	15.	1.84829	1.91948
800.	16.	1.84571	1.92208
800.	17.	1.84312	1.92468
800.	18.	1.84053	1.92730
800.	19.	1.83794	1.92991
800.	20.	1.83533	1.93253
800.	21.	1.83273	1.93516
850.	2.	1.88494	1.88964
850.	3.	1.88258	1.89201
850.	4.	1.88021	1.89437
850.	5.	1.87784	1.89675
850.	6.	1.87546	1.89912
850.	7.	1.87308	1.90151
850.	8.	1.87070	1.90391
850.	9.	1.86831	1.90630
850.	10.	1.86591	1.90871
850.	11.	1.86351	1.91112
850.	12.	1.86111	1.91353
850.	13.	1.85870	1.91595
850.	14.	1.85629	1.91838
850.	15.	1.85387	1.92081
850.	16.	1.85144	1.92325
850.	17.	1.84901	1.92570
850.	18.	1.84657	1.92814
850.	19.	1.84414	1.93060
850.	20.	1.84170	1.93306
850.	21.	1.83925	1.93553
900.	2.	1.88823	1.89268
900.	3.	1.88601	1.89491
900.	4.	1.88377	1.89714
900.	5.	1.88153	1.89939
900.	6.	1.87929	1.90163
900.	7.	1.87705	1.90389
900.	8.	1.87480	1.90614
900.	9.	1.87254	1.90840



900.	10.	1.87028	1.91067
900.	11.	1.86802	1.91294
900.	12.	1.86575	1.91522
900.	13.	1.86347	1.91750
900.	14.	1.86120	1.91979
900.	15.	1.85892	1.92209
900.	16.	1.85663	1.92438
900.	17.	1.85434	1.92668
900.	18.	1.85204	1.92900
900.	19.	1.84974	1.93131
900.	20.	1.84744	1.93363
900.	21.	1.84513	1.93596
950.	2.	1.89127	1.89548
950.	3.	1.88915	1.89760
950.	4.	1.88704	1.89971
950.	5.	1.88492	1.90184
950.	6.	1.88279	1.90396
950.	7.	1.88067	1.90609
950.	8.	1.87854	1.90823
950.	9.	1.87640	1.91036
950.	10.	1.87426	1.91251
950.	11.	1.87212	1.91466
950.	12.	1.86998	1.91682
950.	13.	1.86782	1.91897
950.	14.	1.86567	1.92115
950.	15.	1.86351	1.92331
950.	16.	1.86135	1.92548
950.	17.	1.85919	1.92766
950.	18.	1.85701	1.92984
950.	19.	1.85483	1.93203
950.	20.	1.85266	1.93423
950.	21.	1.85048	1.93642
1000.	2.	1.89407	1.89807
1000.	3.	1.89206	1.90008
1000.	4.	1.89005	1.90209
1000.	5.	1.88804	1.90410
1000.	6.	1.88602	1.90612
1000.	7.	1.88400	1.90815
1000.	8.	1.88198	1.91018
1000.	9.	1.87995	1.91221
1000.	10.	1.87792	1.91424
1000.	11.	1.87589	1.91628
1000.	12.	1.87386	1.91832
1000.	13.	1.87181	1.92037
1000.	14.	1.86976	1.92243
1000.	15.	1.86772	1.92448
1000.	16.	1.86567	1.92655
1000.	17.	1.86361	1.92861
1000.	18.	1.86155	1.93069
1000.	19.	1.85949	1.93276
1000.	20.	1.85742	1.93483
1000.	21.	1.85535	1.93692
1050.	2.	1.89666	1.90048
1050.	3.	1.89475	1.90238
1050.	4.	1.89284	1.90430
1050.	5.	1.89093	1.90621
1050.	6.	1.88900	1.90814

1050.	7.	1.88708	1.91007
1050.	8.	1.88516	1.91200
1050.	9.	1.88322	1.91393
1050.	10.	1.88130	1.91587
1050.	11.	1.87936	1.91781
1050.	12.	1.87741	1.91975
1050.	13.	1.87548	1.92170
1050.	14.	1.87353	1.92366
1050.	15.	1.87158	1.92562
1050.	16.	1.86963	1.92758
1050.	17.	1.86768	1.92954
1050.	18.	1.86571	1.93151
1050.	19.	1.86376	1.93348
1050.	20.	1.86179	1.93546
1050.	21.	1.85982	1.93743
1100.	2.	1.89907	1.90271
1100.	3.	1.89725	1.90454
1100.	4.	1.89543	1.90636
1100.	5.	1.89360	1.90820
1100.	6.	1.89177	1.91003
1100.	7.	1.88993	1.91187
1100.	8.	1.88809	1.91371
1100.	9.	1.88625	1.91555
1100.	10.	1.88441	1.91741
1100.	11.	1.88256	1.91926
1100.	12.	1.88071	1.92111
1100.	13.	1.87886	1.92297
1100.	14.	1.87700	1.92483
1100.	15.	1.87514	1.92669
1100.	16.	1.87328	1.92856
1100.	17.	1.87143	1.93043
1100.	18.	1.86956	1.93232
1100.	19.	1.86769	1.93420
1100.	20.	1.86581	1.93608
1100.	21.	1.86394	1.93796
1150.	2.	1.90133	1.90481
1150.	3.	1.89959	1.90655
1150.	4.	1.89784	1.90831
1150.	5.	1.89609	1.91005
1150.	6.	1.89435	1.91180
1150.	7.	1.89259	1.91356
1150.	8.	1.89083	1.91533
1150.	9.	1.88907	1.91709
1150.	10.	1.88731	1.91885
1150.	11.	1.88554	1.92062
1150.	12.	1.88378	1.92239
1150.	13.	1.88200	1.92417
1150.	14.	1.88023	1.92595
1150.	15.	1.87846	1.92773
1150.	16.	1.87667	1.92952
1150.	17.	1.87489	1.93131
1150.	18.	1.87311	1.93310
1150.	19.	1.87132	1.93489
1150.	20.	1.86953	1.93670
1150.	21.	1.86774	1.93850
1200.	2.	1.90344	1.90678
1200.	3.	1.90177	1.90844

1200.	4.	1.90009	1.91012
1200.	5.	1.89842	1.91180
1200.	6.	1.89674	1.91348
1200.	7.	1.89507	1.91516
1200.	8.	1.89338	1.91684
1200.	9.	1.89170	1.91854
1200.	10.	1.89001	1.92023
1200.	11.	1.88832	1.92192
1200.	12.	1.88662	1.92362
1200.	13.	1.88492	1.92532
1200.	14.	1.88323	1.92702
1200.	15.	1.88152	1.92873
1200.	16.	1.87983	1.93044
1200.	17.	1.87811	1.93215
1200.	18.	1.87641	1.93387
1200.	19.	1.87471	1.93559
1200.	20.	1.87299	1.93730
1200.	21.	1.87128	1.93902
1250.	2.	1.90542	1.90862
1250.	3.	1.90382	1.91023
1250.	4.	1.90221	1.91183
1250.	5.	1.90061	1.91344
1250.	6.	1.89899	1.91506
1250.	7.	1.89739	1.91667
1250.	8.	1.89577	1.91828
1250.	9.	1.89415	1.91991
1250.	10.	1.89253	1.92153
1250.	11.	1.89091	1.92316
1250.	12.	1.88928	1.92478
1250.	13.	1.88766	1.92642
1250.	14.	1.88602	1.92805
1250.	15.	1.88440	1.92969
1250.	16.	1.88276	1.93132
1250.	17.	1.88113	1.93297
1250.	18.	1.87948	1.93462
1250.	19.	1.87785	1.93626
1250.	20.	1.87621	1.93791
1250.	21.	1.87456	1.93957
1300.	2.	1.90729	1.91036
1300.	3.	1.90574	1.91191
1300.	4.	1.90420	1.91345
1300.	5.	1.90266	1.91500
1300.	6.	1.90111	1.91655
1300.	7.	1.89955	1.91810
1300.	8.	1.89800	1.91966
1300.	9.	1.89645	1.92121
1300.	10.	1.89489	1.92277
1300.	11.	1.89333	1.92433
1300.	12.	1.89177	1.92590
1300.	13.	1.89021	1.92747
1300.	14.	1.88864	1.92903
1300.	15.	1.88708	1.93061
1300.	16.	1.88551	1.93218
1300.	17.	1.88394	1.93376
1300.	18.	1.88236	1.93534
1300.	19.	1.88079	1.93692
1300.	20.	1.87921	1.93851

1300.	21.	1.87763	1.94009
1350.	2.	1.90905	1.91201
1350.	3.	1.90756	1.91349
1350.	4.	1.90607	1.91498
1350.	5.	1.90459	1.91648
1350.	6.	1.90309	1.91796
1350.	7.	1.90160	1.91946
1350.	8.	1.90011	1.92095
1350.	9.	1.89861	1.92246
1350.	10.	1.89711	1.92395
1350.	11.	1.89561	1.92546
1350.	12.	1.89411	1.92696
1350.	13.	1.89260	1.92847
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1400.	14.	1.89341	1.93089
1400.	15.	1.89195	1.93235
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1450.	3.	1.91090	1.91643
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2000.	21.	1.90629	1.94668



