

TABLA

DE LOS
LOGARITHMOS
correspondientes à los nu-
meros desde 1. hasta
10000.

N.	Logarith.	N.	Logarith.	N.	Logarith.
1	0.0000000	34	1.5314789	67	1.8260748
2	0.3010300	35	1.5440680	68	1.8325089
3	0.4771212	36	1.5563025	69	1.8388491
4	0.6020600	37	1.5682017	70	1.8450980
5	0.6989700	38	1.5797830	71	1.8512583
6	0.7781512	39	1.5910646	72	1.8573325
7	0.8450980	40	1.6020600	73	1.8633229
8	0.9030900	41	1.6127839	74	1.8692317
9	0.9542425	42	1.6232493	75	1.8750613
10	1.0000000	43	1.6334685	76	1.8808136
11	1.0413927	44	1.6434527	77	1.8864907
12	1.0791812	45	1.6532125	78	1.8920946
13	1.1139433	46	1.6627578	79	1.8976271
14	1.1461280	47	1.6720979	80	1.9030900
15	1.1760913	48	1.6812412	81	1.9084850
16	1.2041200	49	1.6901961	82	1.9138138
17	1.2304489	50	1.6989700	83	1.9190781
18	1.2552725	51	1.7075702	84	1.9242793
19	1.2787536	52	1.7160033	85	1.9294189
20	1.3010300	53	1.7242759	86	1.9344984
21	1.3222193	54	1.7323938	87	1.9395192
22	1.3424227	55	1.7403627	88	1.9444827
23	1.3617278	56	1.7481880	89	1.9493900
24	1.3802112	57	1.7558748	90	1.9542425
25	1.3979400	58	1.7634280	91	1.9590414
26	1.4149733	59	1.7708520	92	1.9637878
27	1.4313638	60	1.7781512	93	1.9684829
28	1.4471580	61	1.7853298	94	1.9731278
29	1.4623980	62	1.7923917	95	1.9777236
30	1.4771212	63	1.7993405	96	1.9822712
31	1.4913617	64	1.8061800	97	1.9867717
32	1.5051500	65	1.8129133	98	1.9912261
33	1.5185139	66	1.8195439	99	1.9956352
34	1.5314789	67	1.8260748	100	2.0000000

N.	Logarith.	N.	Logarith.	N.	Logarith.
101	2.0043214	134	2.1271048	167	2.2227165
102	2.0086002	135	2.1303338	168	2.2253093
103	2.0128372	136	2.1335389	169	2.2278867
104	2.0170333	137	2.1367206	170	2.2304489
105	2.0211893	138	2.1398791	171	2.2329961
106	2.0253059	139	2.1430148	172	2.2355284
107	2.0293838	140	2.1461280	173	2.2380461
108	2.0334238	141	2.1492191	174	2.2405492
109	2.0374265	142	2.1522883	175	2.2430380
110	2.0413927	143	2.1553360	176	2.2455127
111	2.0453230	144	2.1583625	177	2.2479733
112	2.0492180	145	2.1613680	178	2.2504200
113	2.0530784	146	2.1643528	179	2.2528530
114	2.0569049	147	2.1673173	180	2.2552725
115	2.0606978	148	2.1702617	181	2.2576786
116	2.0644580	149	2.1731863	182	2.2600714
117	2.0681859	150	2.1760913	183	2.2624511
118	2.0718820	151	2.1789769	184	2.2648178
119	2.0755470	152	2.1818436	185	2.2671717
120	2.0591812	153	2.1846914	186	2.2695129
121	2.0827854	154	2.1875207	187	2.2718416
122	2.0893598	155	2.1903317	188	2.2741578
123	2.0899051	156	2.1931246	189	2.2764618
124	2.0934217	157	2.1958996	190	2.2787536
125	1.0969100	158	2.1986571	191	2.2810334
126	2.1003705	159	2.2013971	192	2.2833012
127	2.1038037	160	2.2041200	193	2.2855573
128	2.1072100	161	2.2068259	194	2.2878017
129	2.1105897	162	2.2095150	195	2.2900346
130	2.1139433	163	2.2121876	196	2.2922661
131	2.1172713	164	2.2148438	197	2.2944662
132	2.1205739	165	2.2174839	198	2.2966652
133	2.1238516	166	2.2201081	199	2.2988531
134	2.1271048	167	2.2227165	200	2.3010300

N.	Logarith.	N.	Logarith.	N.	Logarith.
201	2.3031961	234	2.3692159	267	2.4265113
202	2.3053514	235	2.3710679	268	2.4281348
203	2.3074960	236	2.3719120	269	2.4297523
204	2.3096302	237	2.3747483	270	2.4313638
205	2.3117539	238	2.3765769	271	2.4329693
206	2.3138672	239	2.3783979	272	2.4345689
207	2.3159703	240	2.3803112	273	2.4361626
207	2.3180633	241	2.3820170	274	2.4377506
209	2.3201463	242	2.3838154	275	2.4393327
210	2.3222193	243	2.3856063	276	2.4409091
211	2.3242824	244	2.3873898	277	2.4424798
212	2.3263359	245	2.3891661	278	2.4440448
213	2.3283796	246	2.3909331	279	2.4456042
214	2.3304138	247	2.3926969	280	2.4471580
215	2.3324385	248	2.3944517	281	2.4487063
216	2.3344537	249	2.3961993	282	2.4502491
217	2.3364597	250	2.3979400	283	2.4517864
218	2.3384565	251	2.3996737	284	2.4533183
219	2.3404441	252	2.4014005	285	2.4548449
220	2.3424227	253	2.4031205	286	2.4563660
221	2.3443923	254	2.4048337	287	2.4578819
222	2.3463530	255	2.4065402	288	2.4593925
223	2.3483049	256	2.4082400	289	2.4608978
224	2.3502480	257	2.4099331	290	2.4623980
225	2.3521825	258	2.4116197	291	2.4638930
226	2.3541084	259	2.4132998	292	2.4653828
227	2.3560259	260	2.4149733	293	2.4668676
228	2.3579348	261	2.4166405	294	2.4683473
229	2.3598355	262	2.4183013	295	2.4698220
230	2.3617278	263	2.4199557	296	2.4712917
231	2.3636120	264	2.4216039	297	2.4727564
232	2.3654880	265	2.4232459	298	2.4742163
233	2.3673559	266	2.4248816	299	2.4756712
234	2.3692159	267	2.4265113	300	2.4771212

N.	Logarith.	N.	Logarith.	N.	Logarith.
301	2.4785665	334	2.5237465	367	2.5646661
302	2.4800069	335	2.5250448	368	2.5658478
303	2.4814426	336	2.5263393	369	2.5670264
304	2.4828736	337	2.5276299	370	2.5682017
305	2.4842998	338	2.5289167	371	2.5693739
306	2.4857214	339	2.5301997	372	2.5705429
307	2.4871384	340	2.5314789	373	2.5717088
308	2.4885507	341	2.5327544	374	2.5728716
309	2.4899585	342	2.5340261	375	2.5740313
310	2.4913617	343	2.5352941	376	2.5751878
311	2.4927604	344	2.5365584	377	2.5763413
312	2.4941546	345	2.5378191	378	2.5774918
313	2.4955443	346	2.5390761	379	2.5786392
314	2.4969296	347	2.5403295	380	2.5797836
315	2.4983105	348	2.5415792	381	2.5809230
316	2.4996871	349	2.5428254	382	2.5820634
317	2.5010593	350	2.5440680	383	2.5831988
318	2.5024271	351	2.5453071	384	2.5843312
319	2.5037907	352	2.5465427	385	2.5854607
320	2.5051500	353	2.5477747	386	2.5865873
321	2.5065050	354	2.5490033	387	2.5877110
322	2.5078559	355	2.5502283	388	2.5888317
323	2.5092025	356	2.5514500	389	2.5899496
324	2.5105450	357	2.5526682	390	2.5910646
325	2.5118834	358	2.5538830	391	2.5921768
326	2.5132176	359	2.5550944	392	2.5932861
327	2.5145477	360	2.5563025	393	2.5943925
328	2.5158738	361	2.5575072	394	2.5954962
329	2.5171959	362	2.5587086	395	2.5965971
330	2.5185139	363	2.5599066	396	2.5976952
331	2.5198280	364	2.5611014	397	2.5987905
332	2.5211381	365	2.5622929	398	2.5998831
333	2.5224442	366	2.5634811	399	2.6009729
334	2.5237465	367	2.5646661	400	2.6020600

N.	Logarith.	N.	Logarith.	N.	Logarith.
401	2.6031444	434	2.6374897	467	2.6693169
402	2.6042260	435	2.6384893	468	2.6702458
403	2.6053050	436	2.6394865	469	2.6711728
404	2.6063814	437	2.6404814	470	2.6730979
405	2.6074550	438	2.6414741	471	2.6730209
406	2.6085260	439	2.6424645	472	2.6739420
407	2.6095944	440	2.6434527	473	2.6748611
408	2.6106602	441	2.6444386	474	2.6757783
409	2.6117233	442	2.6454223	475	2.6766936
410	2.6127839	443	2.6464073	476	2.6776069
411	2.6138418	444	2.6473830	477	2.6785184
412	2.6148972	445	2.6483600	478	2.6794279
413	2.6159500	446	2.6493349	479	2.6803355
414	2.6170003	447	2.6503075	480	2.6812412
415	2.6180481	448	2.6512780	481	2.6821451
416	2.6190933	449	2.6522463	482	2.6830470
417	2.6201360	450	2.6532125	483	2.6839471
418	2.6211763	451	2.6541765	484	2.6848454
419	2.6222140	452	2.6551384	485	2.6857417
420	2.6232493	453	2.6560982	486	2.6866363
421	2.6242821	454	2.6570558	487	2.6875290
422	2.6253124	455	2.6580114	488	2.6884198
423	2.6263404	456	2.6589648	489	2.6893089
424	2.6273659	457	2.6599162	490	2.6901961
425	2.6283889	458	2.6608655	491	2.6910815
426	2.6294096	459	2.6618127	492	2.6919651
427	2.6304279	460	2.6627578	493	2.6928469
428	2.6314438	461	2.6637009	494	2.6937269
429	2.6324573	462	2.6646420	495	2.6946052
430	2.6334685	463	2.6655810	496	2.6954817
431	2.6344773	464	2.6665180	497	2.6963564
432	2.6354837	465	2.6674529	498	2.6972293
433	2.6364879	466	2.6683859	499	2.6981005
434	2.6374897	467	2.6693169	500	2.6989700

N.	Logarith.	N.	Logarith.	N.	Logarith.
501	2.6998377	534	2.7275413	567	2.7535831
502	2.7007037	535	2.7283538	568	2.7543483
503	2.7015680	536	2.7291648	569	2.7551123
504	2.7024305	537	2.7299743	570	2.7558748
505	2.7032914	538	2.7307823	571	2.7566361
506	2.7041505	539	2.7315888	572	2.7573960
507	2.7050080	540	2.7323938	573	2.7581546
508	2.7058637	541	2.7331973	574	2.7589119
509	2.7067178	542	2.7339993	575	2.7596678
510	2.7075702	543	2.7347998	576	2.7604225
511	2.7084209	544	2.7355989	577	2.7611758
512	2.7092700	545	2.7363965	578	2.7619278
513	2.7101174	546	2.7371926	579	2.7626786
514	2.7109631	547	2.7379873	580	2.7634280
515	2.7118072	548	2.7387806	581	2.7641761
516	2.7126497	549	2.7395723	582	2.7649230
517	2.7134905	550	2.7403627	583	2.7656685
518	2.7143298	551	2.7411516	584	2.7664128
519	2.7151674	552	2.7419391	585	2.7671559
520	2.7160033	553	2.7427251	586	2.7678976
521	2.7168377	554	2.7435098	587	2.7686381
522	2.7176705	555	2.7442930	588	2.7693773
523	2.7185017	556	2.7450748	589	2.7701153
524	2.7193313	557	2.7458552	590	2.7708520
525	2.7201593	558	2.7466342	591	2.7715875
526	2.7209857	559	2.7474118	592	2.7723217
527	2.7218106	560	2.7481880	593	2.7730547
528	2.7226339	561	2.7489629	594	2.7737864
529	2.7234557	562	2.7497363	595	2.7745170
530	2.7242759	563	2.7505084	596	2.7752463
531	2.7250945	564	2.7512791	597	2.7759743
532	2.7259116	565	2.7520484	598	2.7767012
533	2.7267272	566	2.7528164	599	2.7774268
534	2.7275413	567	1.7535831	600	2.7781512

N.	Logarith.	N.	Logarith.	N.	Logarith.
601	2.7788745	634	2.8020893	667	2.8241258
602	2.7795965	635	2.8027737	668	2.8247765
603	2.7803173	636	2.8034571	669	2.8254261
604	2.7810369	637	2.8041394	670	2.8260748
605	2.7817554	638	2.8048207	671	2.8267225
606	2.7824726	639	2.8055009	672	2.8273693
607	2.7831887	640	2.8061800	673	2.8280151
608	2.7839036	641	2.8068580	674	2.8286599
609	2.7846173	642	2.8075350	675	2.8293038
610	2.7853298	643	2.8082110	676	2.8299467
611	2.7860412	644	2.8088859	677	2.8305887
612	2.7867514	645	2.8095597	678	2.8312297
613	2.7874605	646	2.8102325	679	2.8318698
614	2.7881684	647	2.8109043	680	2.8325089
615	2.7888751	648	2.8115750	681	2.8331471
616	2.7895807	649	2.8122447	682	2.8337844
617	2.7902852	650	2.8129134	683	2.8344207
618	2.7909885	651	2.8135810	684	2.8350561
619	2.7916906	652	2.8142476	685	2.8356906
620	2.7923917	653	2.8149132	686	2.8363241
621	2.7930916	654	2.8155777	687	2.8369587
622	2.7937904	655	2.8162413	688	2.8375884
623	2.7944880	656	2.8169038	689	2.8382192
624	2.7951846	657	2.8175654	690	2.8388491
625	2.7958800	658	2.8182259	691	2.8394780
626	2.7965744	659	2.8188854	692	2.8401061
627	2.7972675	660	2.8195439	693	2.8407332
628	2.7979596	661	2.8202015	694	2.8413595
629	2.7986506	662	2.8208580	695	2.8419848
630	2.7993405	663	2.8215135	696	2.8426092
631	2.8000294	664	2.8221681	697	2.8432328
632	2.8007171	665	2.8228216	698	2.8438554
633	2.8014037	666	2.8234742	699	2.8444772
634	2.8020893	667	2.8241258	700	2.8450980

N.	Logarith.	N.	Logarith.	N.	Logarith.
701	2.8457180	734	2.8656961	767	2.8847954
702	2.8463371	735	2.8662873	768	2.8853912
703	2.8469553	736	2.8668778	769	2.8859263
704	2.8475727	737	2.8674675	770	2.8864907
705	2.8481891	738	2.8680564	771	2.8870544
706	2.8488047	739	2.8686444	772	2.8876173
707	2.8494194	740	2.8692317	773	2.8881795
708	2.8500333	741	2.8698182	774	2.8887410
709	2.8506462	742	2.8704039	775	2.8893017
710	2.8512513	743	2.8709888	776	2.8898617
711	2.8518696	744	2.8715729	777	2.8904210
712	2.8524800	745	2.8721563	778	2.8909796
713	2.8530895	746	2.8727388	779	2.8915375
714	2.8536982	747	2.8733206	780	2.8920946
715	2.8543060	748	2.8739016	781	2.8926510
716	2.8549130	749	2.8744818	782	2.8932067
717	2.8555191	750	2.8750613	783	2.8937618
718	2.8561244	751	2.8756399	784	2.8943161
719	2.8567289	752	2.8762178	785	2.8948696
720	2.8573325	753	2.8767950	786	2.8954225
721	2.8579353	754	2.8773713	787	2.8959747
722	2.8585372	755	2.8779469	788	2.8965262
723	2.8591383	756	2.8785218	789	2.8970770
724	2.8597386	757	2.8790959	790	2.8976271
725	2.8603380	758	2.8796692	791	2.8981765
726	2.8609366	759	2.8802418	792	2.8987252
727	2.8615344	760	2.8808136	793	2.8992732
728	2.8621314	761	2.8813847	794	2.8998205
729	2.8627275	762	2.8819550	795	2.9003671
730	2.8633229	763	2.8825245	796	2.9009131
731	2.8639174	764	2.8830934	797	2.9014583
732	2.8645111	765	2.8836614	798	2.9020029
733	2.8651040	766	2.8842288	799	2.9025468
734	2.8656961	767	2.8847954	800	2.9030900

N.	Logarith.	N.	Logarith.	N.	Logarith.
801	2.9036325	834	2.9211660	867	2.9380191
802	2.9041744	835	2.9216865	868	2.9385197
803	2.9047155	836	2.9222063	869	2.9390198
804	2.9052560	837	2.9227254	870	2.9395192
805	2.9057959	838	2.9232440	871	2.9400181
806	2.9063350	839	2.9237620	872	2.9405165
807	2.9068735	840	2.9242793	873	2.9410142
808	2.9074114	841	2.9247960	874	2.9415114
809	2.9079485	842	2.9253121	875	2.9420080
810	2.9084850	843	2.9258276	876	2.9425041
811	2.9090208	844	2.9263424	877	2.9429966
812	2.9095560	845	2.9268567	878	2.9434945
813	2.9100905	846	2.9273704	879	2.9439889
814	2.9106244	847	2.9278834	880	2.9444827
815	2.9111576	848	2.9283958	881	2.9449759
816	2.9116901	849	2.9289077	882	2.9454686
817	2.9122220	850	2.9294189	883	2.9459607
818	2.9127533	851	2.9299296	884	2.9464523
819	2.9132839	852	2.9304396	885	2.9469433
820	2.9138138	853	2.9309490	886	2.9474337
821	2.9143431	854	2.9314579	887	2.9479236
822	2.9148718	855	2.9319661	888	2.9484130
823	2.9153998	856	2.9324738	889	2.9489018
824	2.9159272	857	2.9329808	890	2.9493900
825	2.9164539	858	2.9334873	891	2.9498777
826	2.9169800	859	2.9339932	892	2.9503648
827	2.9175055	860	2.9344984	893	2.9508514
828	2.9180303	861	2.9350031	894	2.9513375
829	2.9185545	862	2.9355073	895	2.9518230
830	2.9190781	863	2.9360108	896	2.9523080
831	2.9196010	864	2.9365137	897	2.9527924
832	2.9201233	865	2.9370161	898	2.9532763
833	2.9206450	866	2.9375179	899	2.9537597
834	2.9211660	867	2.9380191	900	2.9542425

N.	Logarith.	N.	Logarith.	N.	Logarith.
901	2.9547248	934	2.9703469	967	2.9854205
902	2.9552065	935	2.9708116	968	2.9858754
903	2.9556877	936	2.9712758	969	2.9863238
904	2.9561684	937	2.9717396	970	2.9867717
905	2.9566486	938	2.9722028	971	2.9872192
906	2.9571282	939	2.9726656	972	2.9876663
907	2.9576073	940	2.9731278	973	2.9881128
908	2.9580858	941	2.9735896	974	2.9885589
909	2.9585639	942	2.9740509	975	2.9890046
910	2.9590414	943	2.9745117	976	2.9894498
911	2.9595184	944	2.9749720	977	2.9898946
912	2.9599948	945	2.9754318	978	2.9903388
913	2.9604708	946	2.9758911	979	2.9907827
914	2.9609462	947	2.9763500	980	2.9912261
915	2.9614211	948	2.9768083	981	2.9916690
916	2.9618955	949	2.9772662	982	2.9921115
917	2.9623693	950	2.9777236	983	2.9925535
918	2.9628427	951	2.9781805	984	2.9929951
919	2.9633155	952	2.9786369	985	2.9934362
920	2.9637878	953	2.9790929	986	2.9938769
921	2.9642596	954	2.9795484	987	2.9943171
922	2.9647309	955	2.9800034	988	2.9947569
923	2.9652017	956	2.9804579	989	2.9951963
924	2.9656720	957	2.9809119	990	2.9956352
925	1.9661417	958	2.9813655	991	2.9960736
926	2.9666110	959	2.9818186	992	2.9965117
927	2.9670792	960	2.9822712	993	2.9969492
928	2.9675480	961	2.9827234	994	2.9973864
929	2.9680157	962	2.9831751	995	2.9978231
930	2.9684829	963	2.9836263	996	2.9982593
931	2.9686497	964	2.9840770	997	2.9986951
932	2.9694159	965	2.9845273	998	2.9991305
933	2.9698816	966	2.9849771	999	2.9995655
934	2.9703469	967	2.9854265	1000	3.0000000

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1003	3.0013009	1036	3.0153597	1069	3.0289777
1004	3.0017327	1037	3.0157787	1070	3.0293838
1005	3.0021661	1038	3.0161973	1071	3.0297895
1006	3.0025980	1039	3.0166155	1072	3.0301948
1007	3.0030295	1040	3.0170333	1073	3.0305997
1008	3.0034605	1041	3.0174507	1074	3.0310043
1009	3.0038912	1042	3.0178677	1075	3.0314085
1010	3.0043214	1043	3.0182843	1076	3.0318123
1011	3.0047511	1044	3.0187005	1077	3.0322157
1012	3.0051805	1045	3.0191163	1078	3.0326188
1013	3.0056094	1046	3.0195317	1079	3.0330214
1014	3.0060379	1047	3.0199467	1080	3.0334237
1015	3.0064660	1048	3.0203613	1081	3.0338257
1016	3.0068937	1049	3.0207755	1082	3.0342273
1017	3.0073209	1050	3.0211893	1083	3.0346284
1018	3.0077478	1051	3.0216027	1084	3.0350293
1019	3.0081742	1052	3.0220157	1085	3.0354297
1020	3.0086002	1053	3.0224284	1086	3.0358298
1021	3.0090257	1054	3.0228406	1087	3.0362295
1022	3.0094509	1055	3.0232424	1088	3.0366289
1023	3.0098756	1056	3.0236639	1089	3.0370279
1024	3.0102999	1057	3.0240750	1090	3.0374265
1025	3.0107239	1058	3.0244857	1091	3.0378247
1026	3.0111474	1059	3.0248960	1092	3.0382226
1027	3.0115704	1060	3.0253059	1093	3.0386201
1028	3.0119931	1061	3.0257154	1094	3.0390173
1029	3.0124154	1062	3.0261245	1095	3.0394141
1030	3.0128372	1063	3.0265333	1096	3.0398105
1031	3.0132587	1064	3.0269416	1097	3.0402066
1032	3.0136797	1065	3.0273496	1098	3.0406023
1033	3.0141003	1066	3.0277572	1099	3.0409977
1034	3.0145205	1067	3.0281644	1100	3.0413927

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1103	3.0425755	1136	3.0553783	1169	3.0678145
1104	3.0429691	1137	3.0557604	1170	3.0681859
1105	3.0433623	1138	3.0561423	1171	3.0685569
1106	3.0437551	1139	3.0565237	1172	3.0689276
1107	3.0441476	1140	3.0569048	1173	3.0692980
1108	3.0445398	1141	3.0572856	1174	3.0696681
1109	3.0449315	1142	3.0576661	1175	3.0700370
1110	3.0453230	1143	3.0580462	1176	3.0704073
1111	3.0457140	1144	3.0584260	1177	3.0707765
1112	3.0461048	1145	3.0588055	1178	3.0711453
1113	3.0464952	1146	3.0591846	1179	3.0715138
1114	3.0468852	1147	3.0595634	1180	3.0718820
1115	3.0472749	1148	3.0599419	1181	3.0722499
1116	3.0476642	1149	3.0603200	1182	3.0026175
1117	3.0480532	1150	3.0606978	1183	3.0729847
1118	3.0484418	1151	3.0610753	1184	3.0733517
1119	3.0488301	1152	3.0614525	1185	3.0737183
1120	3.0492180	1153	3.0618293	1186	3.0740847
1121	3.0496056	1154	3.0622058	1187	3.0744507
1122	3.0499928	1155	3.0625820	1188	3.0748164
1123	3.0503797	1156	3.0629578	1189	3.0751818
1124	3.0507663	1157	3.0633334	1190	3.0755470
1125	3.0511525	1158	3.0637085	1191	3.0759118
1126	3.0515384	1159	3.0640834	1192	3.0762762
1127	3.0519239	1160	3.0644580	1193	3.0766404
1128	3.0523091	1161	3.0648322	1194	3.0770043
1129	3.0526939	1162	3.0652061	1195	3.0773679
1130	3.0530784	1163	3.0655797	1196	3.0777312
1131	3.0534626	1164	3.0659530	1197	3.0780941
1132	3.0538464	1165	3.0663259	1198	3.0784568
1133	3.0542299	1166	3.0666985	1199	3.0788192
1134	3.0546130	1167	3.0670708	1200	3.0791812

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1202	3.0799045	1235	3.0916669	1268	3.1031192
1203	3.0802656	1236	3.0920185	1269	3.1034616
1204	3.0806265	1237	3.0923697	1270	3.1038037
1205	3.0809870	1238	3.0927206	1271	3.1041455
1206	3.0813473	1239	3.0930713	1272	3.1044871
1207	3.0817073	1240	3.0934217	1273	3.1048284
1208	3.0820669	1241	3.0937718	1274	3.1051694
1209	3.0824263	1242	3.0941216	1275	3.1055102
1210	3.0827854	1243	3.0944711	1276	3.1058507
1211	3.0831441	1244	3.0948204	1277	3.1061909
1212	3.0835026	1245	3.0951693	1278	3.1065308
1213	3.0838608	1246	3.0955180	1279	3.1068705
1214	3.0842187	1247	3.0958664	1280	3.1072100
1215	3.0845763	1248	3.0962146	1281	3.1075491
1216	3.0849336	1249	3.0965624	1282	3.1078880
1217	3.0852906	1250	3.0969100	1283	3.1082266
1218	3.0856473	1251	3.0972573	1284	3.1085650
1219	3.0860037	1252	3.0976043	1285	3.1089031
1220	3.0863598	1253	3.0979511	1286	3.1092410
1221	3.0867156	1254	3.0982975	1287	3.1095785
1222	3.0870712	1255	3.0986437	1288	3.1099159
1223	3.0874264	1256	3.0989896	1289	3.1102529
1224	3.0877814	1257	3.0993353	1290	3.1105897
1225	3.0881361	1258	3.0996806	1291	3.1109262
1226	3.0884905	1259	3.1000257	1292	3.1112625
1227	3.0888446	1260	3.1003705	1293	3.1115985
1228	3.0891984	1261	3.1007151	1294	3.1119343
1229	3.0895519	1262	3.1010593	1295	3.1122698
1230	3.0899051	1263	3.1014033	1296	3.1126050
1231	3.0902580	1264	3.1017471	1297	3.1129400
1232	3.0906107	1265	3.1020905	1298	3.1132747
1233	3.0909631	1266	3.1024337	1299	3.1136091
1234	3.0913151	1267	3.1027766	1300	3.1139433

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1301	3.1142773	1334	3.1251558	1367	3.1357685
1302	3.1146110	1335	3.1254813	1368	3.1360861
1303	3.1149444	1336	3.1258064	1369	3.1364034
1304	3.1152776	1337	3.1261314	1370	3.1367206
1305	3.1156105	1338	3.1264561	1371	3.1370374
1306	3.1159432	1339	3.1267806	1372	3.1373541
1307	3.1162756	1340	3.1271048	1373	3.1376705
1308	3.1166077	1341	3.1274288	1374	3.1379867
1309	3.1169396	1342	3.1277525	1375	3.1383027
1310	3.1172713	1343	3.1280760	1376	3.1386184
1311	3.1176027	1344	3.1283993	1377	3.1389339
1312	3.1179338	1345	3.1287223	1378	3.1392492
1313	3.1182647	1346	3.1290450	1379	3.1395643
1314	3.1185954	1347	3.1293676	1380	3.1398791
1315	3.1189257	1348	3.1296899	1381	3.1401937
1316	3.1192559	1349	3.1300119	1382	3.1405080
1317	3.1195858	1350	3.1303338	1383	3.1408222
1318	3.1199154	1351	3.1306553	1384	3.1411361
1319	3.1202448	1352	3.1309767	1385	3.1414498
1320	3.1205739	1353	3.1312978	1386	3.1417632
1321	3.1209028	1354	3.1316187	1387	3.1420765
1322	3.1212314	1355	3.1319393	1388	3.1423895
1323	3.1215598	1356	3.1322597	1389	3.1427022
1324	3.1218880	1357	3.1325798	1390	3.1420148
1325	3.1222159	1358	3.1328998	1391	3.1433271
1326	3.1225435	1359	3.1332195	1392	3.1436392
1327	3.1228709	1360	3.1335389	1393	3.1439511
1328	3.1231981	1361	3.1338581	1394	3.1442628
1329	3.1235250	1362	3.1341771	1395	3.1445742
1330	3.1238516	1363	3.1344958	1396	3.1448854
1331	3.1241780	1364	3.1348144	1397	3.1451964
1332	3.1245042	1365	3.1351326	1398	3.1455072
1333	3.1248301	1366	3.1354507	1399	3.1458177
1334	3.1251558	1367	3.1357685	1400	3.1461280

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1401	3.1464381	1434	3.1565491	1467	3.1664301
1402	3.1467480	1435	3.1568519	1468	3.1667260
1403	3.1470577	1436	3.1571544	1469	3.1670218
1404	3.1473671	1437	3.1574568	1470	3.1673173
1405	3.1476763	1438	3.1577589	1471	3.1676127
1406	3.1479853	1439	3.1580608	1472	3.1679078
1407	3.1482941	1440	3.1583625	1473	3.1682027
1408	3.1486026	1441	3.1586640	1474	3.1684975
1409	3.1489110	1442	3.1589653	1475	3.1687920
1410	3.1492191	1443	3.1592663	1476	3.1690863
1411	3.1495270	1444	3.1595672	1477	3.1693805
1412	3.1498347	1445	3.1598678	1478	3.1696744
1413	3.1501422	1446	3.1601683	1479	3.1699682
1414	3.1504494	1447	3.1604685	1480	3.1702617
1415	3.1507564	1448	3.1607686	1481	3.1705550
1416	3.1510632	1449	3.1610684	1482	3.1708482
1417	3.1513698	1450	3.1613680	1483	3.1711411
1418	3.1516762	1451	3.1616674	1484	3.1714339
1419	3.1519824	1452	3.1619666	1485	3.1717264
1420	3.1522883	1453	3.1622656	1486	3.1720188
1421	3.1525941	1454	3.1625644	1487	3.1723110
1422	3.1528996	1455	3.1628630	1488	3.1726029
1423	3.1532049	1456	3.1631614	1489	3.1728947
1424	3.1535100	1457	3.1634595	1490	3.1731863
1425	3.1538149	1458	3.1637575	1491	3.1734776
1426	3.1541195	1459	3.1640553	1492	3.1737688
1427	3.1544240	1460	3.1643528	1493	3.1740598
1428	3.1547282	1461	3.1646502	1494	3.1743506
1429	3.1550322	1462	3.1649474	1495	3.1746412
1430	3.1553360	1463	3.1652443	1496	3.1749316
1431	3.1556396	1464	3.1655411	1497	3.1752218
1432	3.1559430	1465	3.1658376	1498	3.1755118
1433	3.1562462	1466	3.1661340	1499	3.1758016
1434	3.1565491	1467	3.1664301	1500	3.1760913

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1501	3.1763807	1534	3.1858253	1567	3.1950690
1502	3.1766699	1535	3.1861084	1568	3.1953460
1503	3.1769590	1536	3.1863912	1569	3.1956229
1504	3.1772478	1537	3.1866739	1570	3.1958990
1505	3.1775365	1538	3.1869563	1571	3.1961762
1506	3.1778250	1539	3.1872386	1572	3.1964525
1507	3.1781132	1540	3.1875207	1573	3.1967287
1508	3.1784013	1541	3.1878026	1574	3.1970047
1509	3.1786892	1542	3.1880844	1575	3.1972806
1510	3.1789769	1543	3.1883659	1576	3.1975562
1511	3.1792645	1544	3.1886473	1577	3.1978317
1512	3.1795518	1545	3.1889285	1578	3.1981070
1513	3.1798389	1546	3.1892095	1579	3.1983821
1514	3.1801259	1547	3.1894903	1580	3.1986571
1515	3.1804126	1548	3.1897709	1581	3.1989319
1516	3.1806992	1549	3.1900514	1582	3.1992065
1517	3.1809856	1550	3.1903317	1583	3.1994809
1518	3.1812718	1551	3.1906118	1584	3.1997552
1519	3.1815578	1552	3.1908917	1585	3.2000293
1520	3.1818436	1553	3.1911714	1586	3.2003032
1521	3.1821292	1554	3.1914510	1587	3.2005769
1522	3.1824146	1555	3.1917304	1588	3.2008505
1523	3.1826999	1556	3.1920096	1589	3.2011239
1524	3.1829850	1557	3.1922886	1590	3.2013971
1525	3.1832698	1558	3.1925674	1591	3.2016702
1526	3.1835545	1559	3.1928461	1592	3.2019431
1527	3.1838390	1560	3.1931246	1593	3.2022158
1528	3.1841233	1561	3.1934029	1594	3.2024883
1529	3.1844075	1562	3.1936810	1595	3.2027607
1530	3.1846914	1563	3.1939590	1596	3.2030329
1531	3.1849752	1564	3.1942367	1597	3.2033049
1532	3.1852588	1565	3.1945143	1598	3.2035768
1533	3.1855421	1566	3.1947917	1599	3.2038485
1534	3.1858253	1567	3.1950690	1600	3.2041200

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1601	3.2043913	1634	3.2132521	1667	3.2219356
1602	3.2046625	1635	3.2135178	1668	3.2221960
1603	3.2049335	1636	3.2137833	1669	3.2224563
1604	3.2052044	1637	3.2140487	1670	3.2227165
1605	3.2054750	1638	3.2143139	1671	3.2229794
1606	3.2057455	1639	3.2145789	1672	3.2232363
1607	3.2060159	1640	3.2148438	1673	3.2234956
1608	3.2062860	1641	3.2151086	1674	3.2237555
1609	3.2065560	1642	3.2153732	1675	3.2240148
1610	3.2068259	1643	3.2156376	1676	3.2242740
1611	3.2070955	1644	3.2159018	1677	3.2245331
1612	3.2073650	1645	3.2161659	1678	3.2247920
1613	3.2076344	1646	3.2164298	1679	3.2250507
1614	3.2079035	1647	3.2166936	1680	3.2253093
1615	3.2081725	1648	3.2169572	1681	3.2255677
1616	3.2084414	1649	3.2172206	1682	3.2258260
1617	3.2087100	1650	3.2174839	1683	3.2260841
1618	3.2089785	1651	3.2177471	1684	3.2263421
1619	3.2092468	1652	3.2180100	1685	3.2265999
1620	3.2095150	1653	3.2182728	1686	3.2268576
1621	3.2097830	1654	3.2185355	1687	3.2271151
1622	3.2100508	1655	3.2187980	1688	3.2273724
1623	3.2103185	1656	3.2190603	1689	3.2276296
1624	3.2105860	1657	3.2193225	1690	3.2278867
1625	3.2108534	1658	3.2195845	1691	3.2281436
1626	3.2111205	1659	3.2198464	1692	3.2284004
1627	3.2113876	1660	3.2201081	1693	3.2286570
1628	3.2116544	1661	3.2203696	1694	3.2289134
1629	3.2119211	1662	3.2206310	1695	3.2291697
1630	3.2121876	1663	3.2208922	1696	3.2294258
1631	3.2124540	1664	3.2211533	1697	3.2296818
1632	3.2127201	1665	3.2214142	1698	3.2299377
1633	3.2129862	1666	3.2216750	1699	3.2301934
1634	3.2132521	1667	3.2219356	1700	3.2304489