

ln	1	2	3	4	5	6	7	8	9	10	11	12
1	0	0.693147	1.098612	1.386294	1.609438	1.791759	1.94591	2.079442	2.197225	2.302585	2.397895	2.484907
2	0	1.386294	2.197225	2.772589	3.218876	3.583519	3.89182	4.158883	4.394449	4.60517	4.795791	4.969813
3	0	2.079442	3.295837	4.158883	4.828314	5.375278	5.83773	6.238325	6.591674	6.907755	7.193686	7.45472
4	0	2.772589	4.394449	5.545177	6.437752	7.167038	7.783641	8.317766	8.788898	9.21034	9.591581	9.939627
5	0	3.465736	5.493061	6.931472	8.04719	8.958797	9.729551	10.39721	10.98612	11.51293	11.98948	12.42453
6	0	4.158883	6.591674	8.317766	9.656627	10.75056	11.67546	12.47665	13.18335	13.81551	14.38737	14.90944
7	0	4.85203	7.690286	9.704061	11.26607	12.54232	13.62137	14.55609	15.38057	16.1181	16.78527	17.39435
8	0	5.545177	8.788898	11.09035	12.8755	14.33408	15.56728	16.63553	17.5778	18.42068	19.18316	19.87925
9	0	6.238325	9.887511	12.47665	14.48494	16.12584	17.51319	18.71497	19.77502	20.72327	21.58106	22.36416

catalan	1	1	2	5	14	42	132	429	1430	4862	16796	58786
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Stirling-2	0	1	2	3	4	5	6	7	8	9	10	11
0	1	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0
2	0	1	1	0	0	0	0	0	0	0	0	0
3	0	1	3	1	0	0	0	0	0	0	0	0
4	0	1	7	6	1	0	0	0	0	0	0	0
5	0	1	15	25	10	1	0	0	0	0	0	0
6	0	1	31	90	65	15	1	0	0	0	0	0
7	0	1	63	301	350	140	21	1	0	0	0	0
8	0	1	127	966	1701	1050	266	28	1	0	0	0
9	0	1	255	3025	7770	6951	2646	462	36	1	0	0
10	0	1	511	9330	34105	42525	22827	5880	750	45	1	0
11	0	1	1023	28501	145750	246730	179487	63987	11880	1155	55	1
12	0	1	2047	86526	611501	1379400	1323652	627396	159027	22275	1705	66
13	0	1	4095	261625	2532530	7508501	9321312	5715424	1899612	359502	39325	2431
14	0	1	8191	788970	10391745	40075035	63436373	49329280	20912320	5135130	752752	66066
15	0	1	16383	2375101	42355950	2.11E+08	4.21E+08	4.09E+08	2.17E+08	67128490	12662650	1479478
16	0	1	32767	7141686	1.72E+08	1.1E+09	2.73E+09	3.28E+09	2.14E+09	8.21E+08	1.94E+08	28936908
17	0	1	65535	21457825	6.94E+08	5.65E+09	1.75E+10	2.57E+10	2.04E+10	9.53E+09	2.76E+09	5.12E+08
18	0	1	131071	64439010	2.8E+09	2.9E+10	1.11E+11	1.97E+11	1.89E+11	1.06E+11	3.71E+10	8.39E+09
19	0	1	262143	1.93E+08	1.13E+10	1.48E+11	6.93E+11	1.49E+12	1.71E+12	1.14E+12	4.77E+11	1.29E+11

13	14	15	16	17	18	19	20
2.564949	2.639057	2.70805	2.772589	2.833213	2.890372	2.944439	2.995732
5.129899	5.278115	5.4161	5.545177	5.666427	5.780744	5.888878	5.991465
7.694848	7.917172	8.124151	8.317766	8.49964	8.671115	8.833317	8.987197
10.2598	10.55623	10.8322	11.09035	11.33285	11.56149	11.77776	11.98293
12.82475	13.19529	13.54025	13.86294	14.16607	14.45186	14.72219	14.97866
15.3897	15.83434	16.2483	16.63553	16.99928	17.34223	17.66663	17.97439
17.95465	18.4734	18.95635	19.40812	19.83249	20.2326	20.61107	20.97013
20.51959	21.11246	21.6644	22.18071	22.66571	23.12297	23.55551	23.96586
23.08454	23.75152	24.37245	24.9533	25.49892	26.01335	26.49995	26.96159

208012 742900 2674440 9694845 35357670 1.3E+08 4.78E+08 1.77E+09

12	13	14	15	16	17	18	19
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
78	1	0	0	0	0	0	0
3367	91	1	0	0	0	0	0
106470	4550	105	1	0	0	0	0
2757118	165620	6020	120	1	0	0	0
62022324	4910178	249900	7820	136	1	0	0
1.26E+09	1.26E+08	8408778	367200	9996	153	1	0
2.35E+10	2.89E+09	2.44E+08	13916778	527136	12597	171	1

Stirling-1	0	1	2	3	4	5	6	7	8	9	10	11
0	1	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0
2	0	1	1	0	0	0	0	0	0	0	0	0
3	0	2	3	1	0	0	0	0	0	0	0	0
4	0	6	11	6	1	0	0	0	0	0	0	0
5	0	24	50	35	10	1	0	0	0	0	0	0
6	0	120	274	225	85	15	1	0	0	0	0	0
7	0	720	1764	1624	735	175	21	1	0	0	0	0
8	0	5040	13068	13132	6769	1960	322	28	1	0	0	0
9	0	40320	109584	118124	67284	22449	4536	546	36	1	0	0
10	0	362880	1026576	1172700	723680	269325	63273	9450	870	45	1	0
11	0	3628800	10628640	12753576	8409500	3416930	902055	157773	18150	1320	55	1
12	0	39916800	1.21E+08	1.51E+08	1.05E+08	45995730	13339535	2637558	357423	32670	1925	66
13	0	4.79E+08	1.49E+09	1.93E+09	1.41E+09	6.57E+08	2.06E+08	44990231	6926634	749463	55770	2717
14	0	6.23E+09	1.98E+10	2.66E+10	2.03E+10	9.96E+09	3.34E+09	7.91E+08	1.35E+08	16669653	1474473	91091
15	0	8.72E+10	2.83E+11	3.92E+11	3.11E+11	1.6E+11	5.67E+10	1.44E+10	2.68E+09	3.68E+08	37312275	2749747
16	0	1.31E+12	4.34E+12	6.17E+12	5.06E+12	2.71E+12	1.01E+12	2.73E+11	5.46E+10	8.21E+09	9.28E+08	78558480
17	0	2.09E+13	7.07E+13	1.03E+14	8.71E+13	4.84E+13	1.89E+13	5.37E+12	1.15E+12	1.86E+11	2.31E+10	2.19E+09
18	0	3.56E+14	1.22E+15	1.82E+15	1.58E+15	9.09E+14	3.69E+14	1.1E+14	2.49E+13	4.31E+12	5.78E+11	6.02E+10
19	0	6.4E+15	2.24E+16	3.4E+16	3.03E+16	1.8E+16	7.55E+15	2.35E+15	5.58E+14	1.02E+14	1.47E+13	1.66E+12

12	13	14	15	16	17	18	19
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
78	1	0	0	0	0	0	0
3731	91	1	0	0	0	0	0
143325	5005	105	1	0	0	0	0
4899622	218400	6580	120	1	0	0	0
1.57E+08	8394022	323680	8500	136	1	0	0
4.85E+09	3E+08	13896582	468180	10812	153	1	0
1.48E+11	1.02E+10	5.5E+08	22323822	662796	13566	171	1