

#	p	z	z ² = A	2n	2n+1 = z _{next}	Ap	STEPS
1	2	3	9	6	7		
2	3	7	49	14	15		
3		15	225	30	31	2	2
4	5	31	961	62	63		
5		63	3969	126	127	2	2
6	7	127	16129	254	255		
7		255	65025	510	511		
8		511	261121	1022	1023		
9		1023	1046529	2046	2047		
10		2047	4190209	4094	4095		
11		4095	16769025	8190	8191	6	6
12	13	8191	67092481	16382	16383		
13		16383	268402689	32766	32767		
14		32767	1073676289	65534	65535		
15		65535	4294836225	131070	131071	4	4
16	17	131071	17179607041	262142	262143		
17		262143	68718952449	524286	524287	2	2
18	19	524287	274876858369	1048574	1048575		
19		1048575	1099509530625	2097150	2097151		
20		2097151	4398042316801	4194302	4194303		
21		4194303	17592177655809	8388606	8388607		
22		8388607	70368727400449	16777214	16777215		
23		16777215	281474943156225	33554430	33554431		
24		33554431	1125899839733760	67108862	67108863		
25		67108863	4503599493152770	134217726	134217727		
26		134217727	18014398241046500	268435454	268435455		
27		268435455	72057593501057000	536870910	536870911		
28		536870911	288230375077970000	1073741822	1073741823		
29		1073741823	1152921502459360000	2147483646	2147483647	12	12
30	31	2147483647	4611686014132420000	4294967294	4294967295		
31		4294967295	18446744065119600000	8589934590	8589934591		
32		8589934591	73786976277658300000	17179869182	17179869183		
33		17179869183	2951479051449930000000	34359738366	34359738367		
34		34359738367	11805916206486900000000	68719476734	68719476735		
35		68719476735	4722366482732210000000	137438953470	137438953471		
36		137438953471	18889465931203700000000	274877906942	274877906943		
37		274877906943	755578637253646000000000	549755813886	549755813887		
38		549755813887	3022314549025580000000000	1099511627774	1099511627775		
39		1099511627775	12089258196124300000000000	2199023255550	2199023255551		
40		2199023255551	48357032784541200000000000	4398046511102	4398046511103		
41		4398046511103	193428131138253000000000000	8796093022206	8796093022207		
42		8796093022207	7737125245531870000000000000	17592186044414	17592186044415		
43		17592186044415	30948500982131000000000000000	35184372088830	35184372088831		
44		35184372088831	123794003928531000000000000000	70368744177662	70368744177663		
45		70368744177663	495176015714138000000000000000	140737488355326	140737488355327		
46		140737488355327	1980704062856580000000000000000	281474976710654	281474976710655		
47		281474976710655	79228162514263800000000000000000	562949953421310	562949953421311		
48		562949953421311	31691265005705600000000000000000	112589906842620	112589906842621		
49		112589906842621	126765060022822000000000000000000	2251799813685240	2251799813685241		
50		2251799813685241	507060240091288000000000000000000	4503599627370480	4503599627370481		
51		4503599627370481	202824096036515000000000000000000	9007199254740960	9007199254740961		
52		9007199254740961	8112963841460610000000000000000000	18014398509481900	18014398509481901		
53		18014398509481901	3245185536584240000000000000000000	36028797018963800	36028797018963801		
54		36028797018963801	12980742146336900000000000000000000	72057594037927600	72057594037927601		
55		72057594037927601	51922968585347800000000000000000000	144115188075855000	144115188075855001		
56		144115188075855001	2076918743413910000000000000000000000	288230376151710000	288230376151710001		
57		288230376151710001	830767497365562000000000000000000000	576460752303420000	576460752303420001		
58		576460752303420001	3323069989462250000000000000000000000	1152921504606840000	1152921504606840001		
59		1152921504606840001	1329227995784900000000000000000000000	2305843009213680000	2305843009213680001	30	30
60	61	2305843009213680001	5316911983139600000000000000000000000	4611686018427360000	4611686018427360001		
61		4611686018427360001	2126764793255844000000000000000000000	9223372036854720000	9223372036854720001		
62		9223372036854720001	8507059173023360000000000000000000000	18446744073709400000	18446744073709400001		
63		18446744073709400001	340282366920933000000000000000000000000	36893488147418800000	36893488147418800001		
64		36893488147418800001	136112946768373000000000000000000000000	73786976294837600000	73786976294837600001		
65		73786976294837600001	544451780734930000000000000000000000000	147573952589675000000	147573952589675000001		
66		147573952589675000001	217780714829396000000000000000000000000	295147905179350000000	295147905179350000001		
67		295147905179350000001	871122859317586000000000000000000000000	590295810358700000000	590295810358700000001		
68		590295810358700000001	348449143727034000000000000000000000000	1180591620717400000000	1180591620717400000001		
69		1180591620717400000001	139379657490814000000000000000000000000	2361183241434800000000	2361183241434800000001		
70		2361183241434800000001	557518629963255000000000000000000000000	4722366482869600000000	4722366482869600000001		
71		4722366482869600000001	223007451985302000000000000000000000000	9444732965739200000000	9444732965739200000001		
72		9444732965739200000001	892029807941208000000000000000000000000	18889465931478400000000	18889465931478400000001		
73		18889465931478400000001	356811923176483000000000000000000000000	37778931862956800000000	37778931862956800000001		
74		3777893186295680000001	142724769270593000000000000000000000000	75557863725913600000000	75557863725913600000001		
75		7555786372591360000001	5708990770823730000000000000000000000000	151115727451827000000000	151115727451827000000001		
76		15111572745182700000001	228359630832949000000000000000000000000	302231454903654000000000	302231454903654000000001		
77		30223145490365400000001	913438523331794000000000000000000000000	604462909807308000000000	604462909807308000000001		
78		60446290980730800000001	365375409332718000000000000000000000000	1208925819614620000000000	120892581961462000000001		
79		12089258196146200000001	146150163733088000000000000000000000000	2417851639229240000000000	241785163922924000000001		
80		24178516392292400000001	584600654932352000000000000000000000000	4835703278458480000000000	483570327845848000000001		
81		48357032784584800000001	233840261972941000000000000000000000000	9671406556916960000000000	967140655691696000000001		
82		96714065569169600000001	935361047891764000000000000000000000000	19342813113833900000000000	193428131138339000000001		
83		19342813113833900000001	374144191567050000000000000000000000000	38685626227667800000000000	386856262276678000000001		
84		38685626227667800000001	149657767662682000000000000000000000000	77371252455335600000000000	773712524553356000000001		
85		77371252455335600000001	598631070650727000000000000000000000000	154742504910671000000000000	15474250491067100000000001		
86		154742504910671000000001	239452428260290000000000000000000000000	309485009821342000000000000	3094850098213420000000001		
87		309485009821342000000001	957809713041162000000000000000000000000	618970019642684000000000000	6189700196426840000000001	28	28
88	89	618970019642684000000000000000000000000	383123885216465000000000000000000000000	1237940039285370000000000000	123794003928537000000000001		
89		123794003928537000000001	153249554086586000000000000000000000000	247588007857074000000000000	24758800785707400000000001		
90		247588007857074000000001	612998216346345000000000000000000000000	4951760157141480000000000000	49517601571414800000000001		
91		495176015714148000000001	245199286538538000000000000000000000000	9903520314282960000000000000	99035203142829600000000001		
92		990352031428296000000001	980797146154153000000000000000000000000	1980704062856590000000000000	19807040628565900000000001		
93		198070406285659000000001	392318858461660000000000000000000000000	39614081257131800000000000000	396140812571318000000000001		
94		396140812571318000000001	156927543384664000000000000000000000000	79228162514263600000000000000	79228162514263600000000001		
95		792281625142636000000001	627710173538656000000000000000000000000	15845632502852700000000000000	158456325028527000000000001		
96		158456325028527000000001	251084069415462000000000000000000000000	31691265005705400000000000000	316912650057054000000000001		
97		316912650057054000000001	100433627766185000000000000000000000000	63382530011410800000000000000	633825300114108000000000001		
98		633825300114108000000001	401734511064739000000000000000000000000	12676506002282200000000000000	1267650600228220000000000001		
99		126765060022822000000001	160693804425897000000000000000000000000	25353012004564400000000000000	2535301200456440000000000001		
100		253530120045644000000001	642775217703587000000000000000000000000	507060240091288000000000000000	5070602400912880000000000001		
101		507060240091288000000001	257110087081435000000000000000000000000	1014120480182580000000000000000	10141204801825800000000000001		
102		101412048018258000000001	102844034832575000000000000000000000000	2028240960365160000000			