

Table 95: BIM-MPS-Columns-2

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Columns: $2x^2 - 1 = z_{next}$

line	x	$2x^2$	$2x^2 - 1$	$z = Mp$
2	2	8	7	3
4	4	32	31	7
8	8	128	127	15
16	16	512	511	31
32	32	2048	2047	63
64	64	8192	8191	127
128	128	32768	32767	255
256	256	131072	131071	511
512	512	524288	524287	1023
1024	1024	2097152	2097151	2047
2048	2048	8388608	8388607	4095
4096	4096	33554432	33554431	8191
8192	8192	134217728	134217727	16383
16384	16384	536870912	536870911	32767
32768	32768	2147483648	2147483647	32769
65536	65536	8589934592	8589934591	32771
131072	131072	34359738368	34359738367	32773
262144	262144	137438953472	137438953471	32775
524288	524288	549755813888	549755813887	32777
1048576	1048576	2199023255552	2199023255551	32779
2097152	2097152	8796093022208	8796093022207	32781
4194304	4194304	35184372088832	35184372088831	32783
8388608	8388608	140737488355328	140737488355327	32785
16777216	16777216	562949953421312	562949953421311	32787
33554432	33554432	2251799813685250	2251799813685249	32789
67108864	67108864	9007199254740990	9007199254740989	32791
134217728	134217728	36028797018964000	36028797018963999	32793
268435456	268435456	144115188075856000	144115188075855999	32795
536870912	536870912	576460752303423000	576460752303422999	32797
1073741824	1073741824	2305843009213690000	2305843009213689999	32799
2147483648	2147483648	9223372036854780000	9223372036854779999	32801
4294967296	4294967296	36893488147419100000	3689348814741909999	32803
8589934592	8589934592	14757395258967600000	1475739525896759999	32805
17179869184	17179869184	59029581035870600000	5902958103587059999	32807
34359738368	34359738368	236118324143482000000	2361183241434819999	32809
68719476736	68719476736	944473296573929000000	9444732965739289999	32811
137438953472	137438953472	3777893186295720000000	3777893186295719999999	32813
27487906944	27487906944	15111572745182900000000	1511157274518289999999	32815
549755813888	549755813888	60446290980731500000000	60446290980731499999999	32817
109951162776	109951162776	24178516392292600000000	24178516392292599999999	32819
2199023255552	2199023255552	9671406556917030000000000	9671406556917029999999999	32821
4398046511104	4398046511104	38685626227668100000000000	3868562622766799999999999	32823
8796093022208	8796093022208	154742504910673000000000000	154742504910672999999999999	32825
17592186044416	17592186044416	618970019642690000000000000	618970019642689999999999999	32827
35184372088832	35184372088832	24758800785707600000000000000	24758800785707599999999999999	32829
70368744177664	70368744177664	990352031428304000000000000000	99035203142830399999999999999	32831
140737488355328	140737488355328	3961408125713220000000000000000	396140812571321999999999999999	32833
28147976710656	28147976710656	1584563250285290000000000000000	1584563250285289999999999999999	32835
562949953421312	562949953421312	6338253001141150000000000000000	6338253001141149999999999999999	32837
112589906842620	112589906842620	2535301200456440000000000000000	2535301200456439999999999999999	32839
2251799813685240	2251799813685240	10141204801825800000000000000000	1014120480182579999999999999999	32841
4503599627370480	4503599627370480	40564819207303100000000000000000	4056481920730309999999999999999	32843
9007199254740960	9007199254740960	16225927682921200000000000000000	1622592768292119999999999999999	32845
18014398509481900	18014398509481900	64903710731684700000000000000000	6490371073168469999999999999999	32847
36028797018963800	36028797018963800	25961484292673900000000000000000	2596148429267389999999999999999	32849
72057594037927600	72057594037927600	103845937170696000000000000000000	1038459371706959999999999999999	32851
144115188075855000	144115188075855000	415383748682781000000000000000000	4153837486827809999999999999999	32853
288230376151710000	288230376151710000	1661534994731120000000000000000000	16615349947311199999999999999999	32855
576460752303420000	576460752303420000	664613997892450000000000000000000	6646139978924499999999999999999	32857
115292150460840000	115292150460840000	265845599156980000000000000000000	2658455991569799999999999999999	32859
230584300921368000	230584300921368000	1063382396627920000000000000000000	10633823966279199999999999999999	32861
4611686018427360000	4611686018427360000	4253529586511680000000000000000000	42535295865116799999999999999999	32863
9223372036854720000	9223372036854720000	1701411834604670000000000000000000	17014118346046699999999999999999	32865
18446744073709400000	18446744073709400000	68056473384186600000000000000000000	680564733841865999999999999999999	32867
36893488147418800000	36893488147418800000	27222589353674600000000000000000000	272225893536745999999999999999999	32869
73786976294837600000	73786976294837600000	108890357414699000000000000000000000	1088903574146899999999999999999999	32871
147573952589675000000	147573952589675000000	43556142965879300000000000000000000	435561429658792999999999999999999	32873
295147905179350000000	295147905179350000000	174224571863517000000000000000000000	174224571863509999999999999999999	32875
59029581035870000000	590295810358700000000	696898287454069000000000000000000000	696898287454068999999999999999999	32877
118059162071740000000	118059162071740000000	278759314981627000000000000000000000	278759314981626999999999999999999	32879
236118324143480000000	236118324143480000000	1115037259926510000000000000000000000	111503725992650999999999999999999	32881
4722366482869600000000	47223664828696000000000	4460149039706400000000000000000000000	446014903970639999999999999999999	32883
9444732965739200000000	94447329657392000000000	1784059615882420000000000000000000000	17840596158824199999999999999999999	32885
18894659314784000000000	18894659314784000000000	7136238463529600000000000000000000000	71362384635295999999999999999999999	32887
377789318629568000000000	377789318629568000000000000	2854495385411870000000000000000000000	28544953854118699999999999999999999	32889
75578637259136000000000	7557863725913600000000000	1141798154164750000000000000000000000	11417981541647499999999999999999999	32891
1511572745182700000000000	1511572745182700000000000	4567192616658970000000000000000000000	45671926166589699999999999999999999	32893
3023145490365400000000000	3023145490365400000000000000	1826877046635900000000000000000000000	18268770466358999999999999999999999	32895
6044629098073080000000000	6044629098073080000000000000	7307508186654360000000000000000000000	73075081866543599999999999999999999	32897
1208258196146200000000000	12082581961462000000000000000	2923003274661760000000000000000000000	29230032746617599999999999999999999	32899
2417851639229240000000000	24178516392292400000000000000	11692013098647000000000000000000000000	11692013098646999999999999999999999	32901
4835703278458480000000000	48357032784584800000000000000	4676805239458820000000000000000000000	46768052394588199999999999999999999	32903
967140655691696000000000000	9671406556916960000000000000000	1870722095783530000000000000000000000	18707220957835299999999999999999999	32905
193428131138339000000000000	1934281311383390000000000000000000	7482883831340900000000000000000000000	74828838313408999999999999999999999	32907
3868562622766780000000000000	3868562622766780000000000000000000	2993155353256400000000000000000000000	29931553532563999999999999999999999	32909
77371252455356000000000000000	77371252455356000000000000000000000	1197262141301450000000000000000000000	11972621413014499999999999999999999	32911
1547425049106710000000000000000	15474250491067100000000000000000000	4789485652058100000000000000000000000	47894856520580999999999999999999999	32913
3094850982134200000000000000000	3094850982134200000000000000000000000	1915619426082320000000000000000000000	19156194260823199999999999999999999	32915
6189700196426840000000000000000	6189700196426840000000000000000000000	7662477043292900000000000000000000000	76624770432928999999999999999999999	32917
12379400392853700000000000000000000	1237940039285370000000000000000000000	30649910817317000000000000000000000000	3064991081731699999999999999999999999	32919
24758800785704000000000000000000000	2475880078570400000000000000000000000	12259964326926900000000000000000000000	1225996432692689999999999999999999999	32921
49517601571418000000000000000000000	4951760157141800000000000000000000000	49039857307706000000000000000000000000	4903985730770599999999999999999999999	32923
9903502314282960000000000000000000000	9903502314282960000000000000000000000	19615942923083100000000000000000000000	1961594292308309999999999999999999999	32925
1980740628565900000000000000000000000	1980740628565900000000000000000000000	78463771692332000000000000000000000000	7846377169233199999999999999999999999	32927
3961408125713180000000000000000000000	3961408125713180000000000000000000000	31385508676932800000000000000000000000	3138550867693279999999999999999999999	32929
7922816251426360000000000000000000000	7922816251426360000000000000000000000	12554203470773100000000000000000000000	1255420347077309999999999999999999999	32931
1584563250285270000000000000000000000	1584563250285270000000000000000000000	50216813883092400000000000000000000000	5021681388309239999999999999999999999	32933
3169126500570540000000000000000000000	3169126500570540000000000000000000000	20086725532370000000000000000000000000	2008672553236999999999999999999999999	32935
6338253001141080000000000000000000000	6338253001141080000000000000000000000	80346902212947800000000000000000000000	8034690221294779999999999999999999999	32937
1267650602282200000000000000000000000	1267650602282200000000000000000000000	32138760885179300000000000000000000000	3213876088517929999999999999999999999	32939
2535301200456440000000000000000000000	2535301200456440000000000000000000000	12855043540717000000000000000000000000	1285504354070999999999999999999999999	