

Pregnant Bits

	$\Omega$	$S0=ld(\Omega)$	$S1=ld(\Omega+1)$	$\Delta S=S1-S0$	$ld(\Omega)+ld(\Delta S)$	$\Omega * \Delta S$	$2 ^{(\Omega*\Delta S)}$
-12	0.0000038	-18	0.0000055	18.0000055	-13.8300746	0.0000687	1.0000476
-11	0.0000153	-16	0.0000220	16.0000220	-11.9999980	0.0002441	1.0001692
-10	0.0039063	-8	0.0056245	8.0056245	-4.9989860	0.0312720	1.0219127
-9	0.0078125	-7	0.0112273	7.0112273	-4.1903330	0.0547752	1.0386973
-8	0.0156250	-6	0.0223678	6.0223678	-3.4096692	0.0940995	1.0673989
-7	0.0312500	-5	0.0443941	5.0443941	-2.6653190	0.1576373	1.1154589
-6	0.0625000	-4	0.0874628	4.0874628	-1.9687944	0.2554664	1.1937216
-5	0.1250000	-3	0.1699250	3.1699250	-1.3355513	0.3962406	1.3160740
-4	0.2500000	-2	0.3219281	2.3219281	-0.7846767	0.5804820	1.4953488
-3	0.3535534	-1.5	0.4367518	1.9367518	-0.5463609	0.6847452	1.6074180
-2	0.5000000	-1	0.5849625	1.5849625	-0.3355513	0.7924813	1.7320508
-1	0.7071068	-0.5	0.7715533	1.2715533	-0.1534081	0.8991240	1.8649332
0	1	0	1	1	0	1	2
1	1.4142136	0.5	1.2715533	0.7715533	0.1258377	1.0911411	2.1304248
2	2	1	1.5849625	0.5849625	0.2264160	1.1699250	2.2500000
3	2.8284271	1.5	1.9367518	0.4367518	0.3048855	1.2353206	2.3543366
4	4	2	2.3219281	0.3219281	0.3648104	1.2877124	2.4414063
5	8	3	3.1699250	0.1699250	0.4429700	1.3594000	2.5657845
6	16	4	4.0874628	0.0874628	0.4848140	1.3994055	2.6379285
7	32	5	5.0443941	0.0443941	0.5065124	1.4206118	2.6769901
8	64	6	6.0223678	0.0223678	0.5175680	1.4315400	2.6973450
9	128	7	7.0112273	0.0112273	0.5231491	1.4370887	2.7077390
10	256	8	8.0056245	0.0056245	0.5259532	1.4398846	2.7129916
11	65536	16	16.0000220	0.0000220	0.5287554	1.4426840	2.7182611
12	262144	18	18.0000055	0.0000055	0.5287636	1.4426923	2.7182766
...							

$\Omega$ : parent states

all units: bit

$S0=ld(\Omega)$ : address size per parent (determines position of state in history)

$S1=ld(\Omega+1)$ : address size per parent+child after state would generate child state

$\Delta S=S1-S0$ : potential address size increase per state

$ld(\Omega)+ld(\Delta S)$ : parent address size + address size of potential address size increase per state

$\Omega * \Delta S$ : potential address size increase of ensemble

$2 ^{(\Omega*\Delta S)}$ : potential weight growth factor of ensemble

