n	25		
p	0.6		
1-p	0.4		
k	n choose k	(n choose k) p^k (1-p)^(n-k)	-1/n log(p^k (1-p)^(n-k))
0	1	0.000000	1.32193
1	25	0.000000	1.29853
2	300	0.000000	1.27513
3	2300	0.000001	1.25173
4	12650	0.000007	1.22833
5	53130	0.000045	1.20494
6	177100	0.000227	1.18154
7	480700	0.000925	1.15814
8	1081575	0.003121	1.13474
9	2042975	0.008843	1.11134
10	3268760	0.021222	1.08794
11	4457400	0.043410	1.06454
12	5200300	0.075967	1.04115
13	5200300	0.113950	1.01775
14	4457400	0.146507	0.99435
15	3268760	0.161158	0.97095
16	2042975	0.151086	0.94755
17	1081575	0.119980	0.92415
18	480700	0.079986	0.90076
19	177100	0.044203	0.87736
20	53130	0.019891	0.85396
21	12650	0.007104	0.83056
22	2300	0.001937	0.80716
23	300	0.000379	0.78376
24	25	0.000047	0.76036
25	1	0.000003	0.73697
	33554432	1	
	equals 2^25		