

n	f(n)	time
128	28.627	0.0165
256	46.509	0.075
512	76.25	0.300
1024	130.42	1.259
2048	216.420	5.378
4096	360.030	23.28
8192	602.38	97.43
16384	1009.21	403.647
32768		