



N(input) Best Case Average Case Worst Case

0	0	0	0
2000	0.63	0.007	0.39
4000	1.52	0.014	0.8
6000	1.95	0.025	1.38
8000	3.12	0.037	2.03
10000	4.06	0.045	2.89
12000	6.18	0.056	4.27
14000	8.73	0.068	6.24
15000	9.46	0.08	7.48