

Size	Time	Time O(n^2)	Stack Size							
10	0.265		88							
100	0.647		808							
250	2.044		2008							
500	8.747		4008							
1000	21.227		8008							
1500	47.232		12008							
3500	94.115		28008							
7500	307.107		60008							
10000	507.288		80008							
12500	769.12		100008							
22500	2452.546		180008							
33500	6438.128		268008							
55000	18168.242		440008							
75000	34301.018		600008							
10		0.0025								
100		0.25								
250		1.5625								
500		6.25								
1000		25								
1500		56.25								
3500		306.25								
7500		1406.25								
10000		2500								
12500		3906.25								
22500		12656.25								
33500		28056.25								
55000		75625								
75000		140625								

