Table 1

	N	T(N)	ratio	lg ratio
	25	0.00168	0	
	50	0.00322	1.91666666666667	0.938599455335859
	100	0.00362	1.12422360248447	0.168929008968586
	200	0.00437	1.20718232044199	0.271643582417394
	400	0.01636	3.74370709382151	1.90446756344115
	800	0.106	6.47921760391198	2.69581961139618
	1600	0.7953	7.50283018867925	2.90743490613785
	3200	6.331	7.9605180435056	2.99286231952238
	O(n^3)	6.331=a*3200^2.99	T(N) = a N ^b	constant b ~ 2.99
	a =	0.000000000209446		
	T(6400) = a* 6400 ^2.99	50.298148708895	Hypothesis	
	T(6400) = run code	51s 888ms	Run the program for N=6400 and record the time	Result: both results are so close together. O(n^3)

