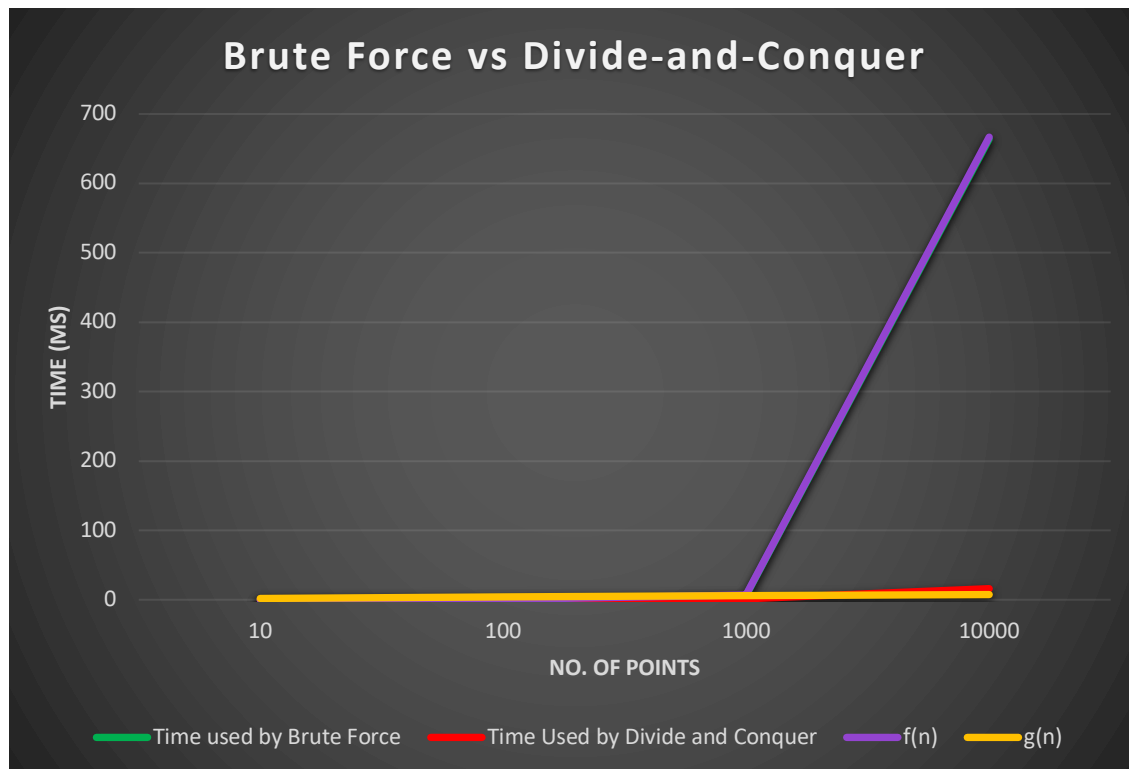


Elijah M.
CS 403

No. of points	Time used by Brute Force	Time Used by Divide and Conquer	$f(n)$	$g(n)$	$c1$	$c2$
10	0	0	0	1.869	6.67E-06	0.5625
100	1	0	0.07	3.737	6.67E-06	0.5625
1000	6	1	6.67	5.606	6.67E-06	0.5625
10000	664	16	667	7.474	6.67E-06	0.5625



I noticed the constants, $c1$ and $c2$ have a greater effect the larger n is. I had a easier time finding a good approximation for $c1$ than I did for $c2$.