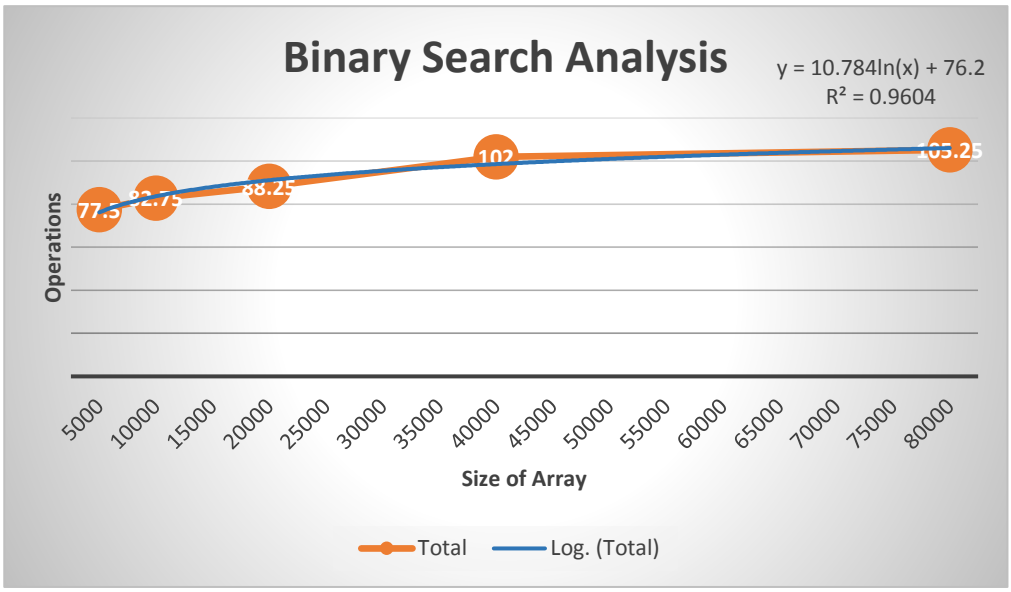
Binary Search Anaylysis

N	=	5000	5000	5000	5000	
nEquals	=	11	12	12	11	
nAdd	=	43	47	47	43	
nLog	=	20	22	22	20	
Total	=	74	81	81	74	77.5
N	=	10000	10000	10000	10000	
nEquals	=	12	13	12	12	
nAdd	=	47	51	47	47	
nLog	=	22	24	22	22	
Total	=	81	88	81	81	82.75
N	=	20000	20000	20000	20000	
nEquals	=	14	13	11	14	
nAdd	=	55	51	43	55	
nLog	=	26	24	21	26	
Total	=	95	88	75	95	88.25
N	=	40000	40000	40000	40000	
nEquals	=	15	15	15	15	
nAdd	=	59	59	59	59	
nLog	=	28	28	28	28	
Total	=	102	102	102	102	102
N	=	80000	80000	80000	80000	
nEquals	=	16	16	15	15	
nAdd	=	63	63	59	59	
nLog	=	30	29	28	28	
Total	=	109	108	102	102	105.25

N	5000	10000	20000	40000	80000
Total	77.5	82.75	88.25	102	105.25


Binary Search Analysis
y = 10.784ln(x) + 76.2
R² = 0.9604
Operations
77.5
88.25
102
Size of Array
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000
55000
60000
65000
70000
75000
80000
Total
Log. (Total)