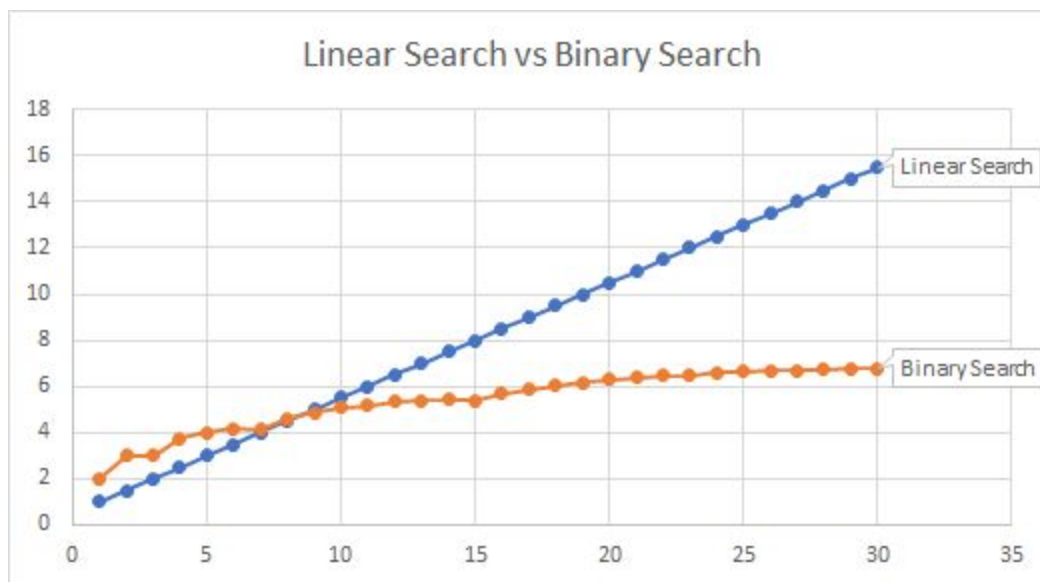


Length	Linear Average	Binary Average
1	1	2
2	1.5	3
3	2	3
4	2.5	3.75
5	3	4
6	3.5	4.166667
7	4	4.142857
8	4.5	4.625
9	5	4.888889
10	5.5	5.1
11	6	5.181818
12	6.5	5.333333
13	7	5.384615
14	7.5	5.428571
15	8	5.4
16	8.5	5.6875
17	9	5.882353
18	9.5	6.055556
19	10	6.157895
20	10.5	6.3
21	11	6.380952

22	11.5	6.454545
23	12	6.478261
24	12.5	6.583333
25	13	6.64
26	13.5	6.692308
27	14	6.703704
28	14.5	6.75
29	15	6.758621
30	15.5	6.766667



Based on the graph, Linear Search is more efficient for lengths of 0 to 8. Binary Search becomes more efficient at lengths of 9 or more, as linear search continuously increases in time as Binary Search levels off for time at under 7.