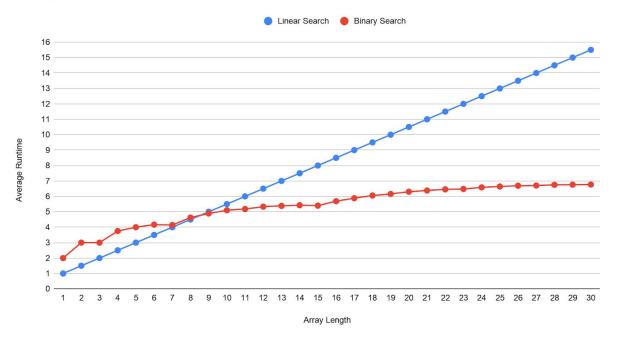
Katya Borisova boris040

2. Output:

- 1 1.0 2.0
- 2 1.5 3.0
- 3 2.0 3.0
- 4 2.5 3.75
- 5 3.0 4.0
- 6 3.5 4.16666666666667
- 7 4.0 4.142857142857143
- 8 4.5 4.625
- 9 5.0 4.8888888888888
- 10 5.5 5.1
- 11 6.0 5.181818181818182
- 12 6.5 5.333333333333333
- 13 7.0 5.384615384615385
- 14 7.5 5.428571428571429
- 15 8.0 5.4
- 16 8.5 5.6875
- 17 9.0 5.882352941176471
- 18 9.5 6.05555555555555
- 19 10.0 6.157894736842105
- 20 10.5 6.3
- 21 11.0 6.380952380952381
- 22 11.5 6.454545454545454
- 23 12.0 6.478260869565218
- 24 12.5 6.583333333333333
- 25 13.0 6.64
- 26 13.5 6.6923076923076925
- 27 14.0 6.703703703703703
- 28 14.5 6.75
- 29 15.0 6.758620689655173
- 30 15.5 6.76666666666667

3. Graph:





4. Short Answer

Linear search is more efficient than binary search for array sizes equal to or less than 8.

5. Short Answer

Binary search is more efficient than linear search for arrazy sizes greater than 8.