Compasison formula:

$$\sum_{i=1}^{n} = 1 + 2 + 3 + ... + (n-1) = 2(i)$$

$$\sum_{i=1}^{n} = (n-1) + (n-2) + (n-3) + ... + 3 + 2 + 1 = 22(2)$$

$$e_1 + e_1 = 2$$

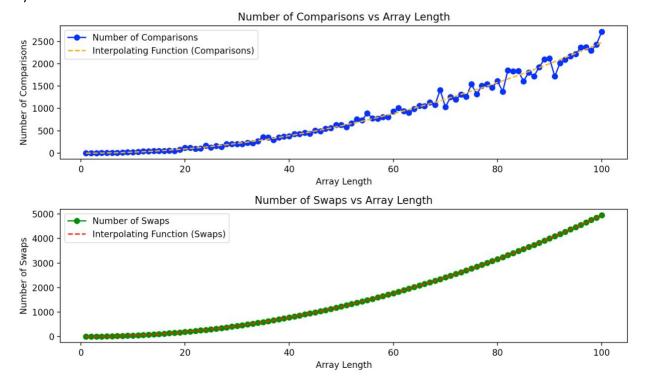
$$2 = n + n + n \dots + n - 1$$

$$\mathcal{Z} = \frac{[n \cdot (n-1)]}{2} = \mathcal{O}(n^2)$$

Swap Formula.

Some for worst case

for Best Case No Swaps.



This graph makes sense as the average complexity is quadratic, and the interpolating function is a quadratic function graph.

Therefore it matches the complexity analysis