Fixed: Range of the elements 1~100

Variable: Array Length

| Array Length | Time | | | Swap | | | Comparisons | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,000 | | | | | | | | | |
| 5,000 | | | | | | | | | |
| 10,000 | | | | | | | | | |
| 50,000 | | | | | | | | | |
| 1,00,000 | | | | | | | | | |
| 5,00,000 | | | | | | | | | |
| | Bubble | Insertion | Selection | Bubble | Insertion | Selection | Bubble | Insertion | Selection |

Fixed: Length of the Array 1000

Variable: Array Element Density

| Element Range | Time | | | Swap | | | Comparisons | | |
|---|---|---|---|---|---|---|---|---|---|
| 1~100 | | | | | | | | | |
| 1~500 | | | | | | | | | |
| 1~1,000 | | | | | | | | | |
| 1~5,000 | | | | | | | | | |
| 1~10,000 | | | | | | | | | |
| 1~50,000 | | | | | | | | | |
| | Bubble | Insertion | Selection | Bubble | Insertion | Selection | Bubble | Insertion | Selection |