

Example:

7	2*	5	3	2

```
public void selectionSort(int[] array)
```

```
{
    for(int stage = 0; stage < _____; stage++) {
        int maxIndex = _____
        for(int i = 1; i < _____; i++){
            if(_____){
                _____
            }
        }
        _____
    }
}
```

5	1	3	2	mi

Analysis: (Let array.length = n)

Stages	
Comparisons	
Swaps	
Stable?	
Works really well when...	
Works poorly when...	
Miscellaneous	

For the array's, show the stages of selection sort.

Selection Sort

9	6	8	7	2	5

10	3	6	9	8	4

9	8	6	7	5	4

1	2	3	4	5	6

Challenge: Can you create an array of length 6 with all different values that when selection sorted, the same value will be swapped in every stage? For example, every swap involves the number 2.