



2) Big-O notation.

$$O(n^2)$$

3-)	Best	Average	Worst
	$\Omega(n)$	$\Theta(n^2)$	$O(n^2)$

4) After array is sorted, the number 18 is covered by best case. The reason is array is already sorted so complexity is  $\Omega(n)$ .

5) 7, 3, 5, 8, 2, 9, 4, 15, 6

2, 3, 5, 8, 7, 9, 4, 15, 6

2, 3, 4, 8, 7, 9, 5, 15, 6

2, 3, 4, 5, 7, 9, 8, 15, 6

2, 3, 4, 5, 6, 9, 8, 15, 7

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