

# *Partition algorithm*

*Explanation :*

*Partition function manipulates a set of numbers(strings etc). There is a an element of this set called pivot. Pivot is the "master" element. After partition this set has the following attributes :*

- Left elements of pivot are less or equal than the pivot.*
- Right elements of pivot are greater than the pivot.*
- Function usually returns the position of the pivot.*

*Complexity :*

*$O(n)$ , because we should check every element of the set.*