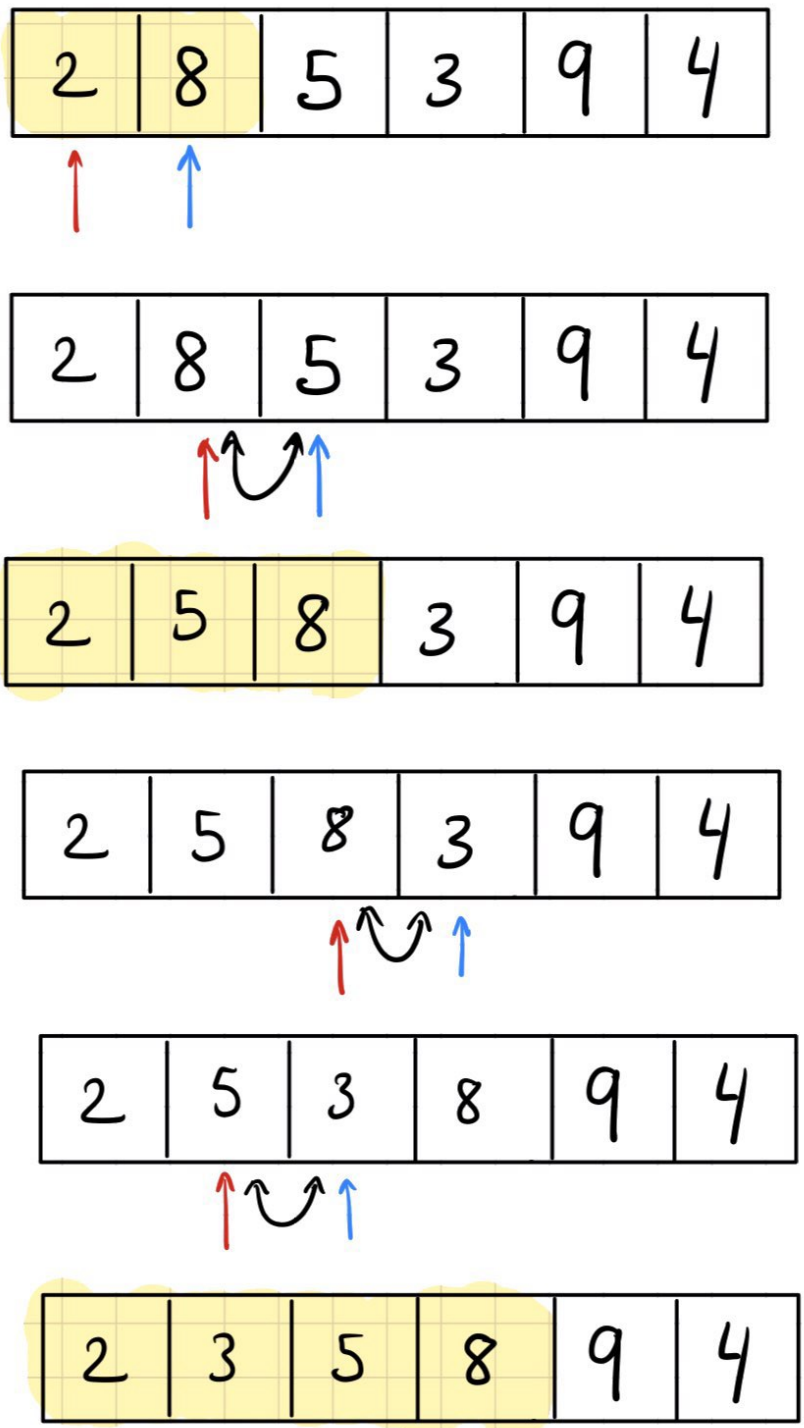
Insertionsort



insertionsort

```
insertionsort (A,n)
    for i = 2 to n
    key = A[i]
      j = i - 1
       while j>0 and A [j] >key
       A[j+1] = A[j]
         j = j - 1
       A[j+1] = key
```

Best : O(n)

Worse : $O(n^2)$

Average : $O(n^2)$