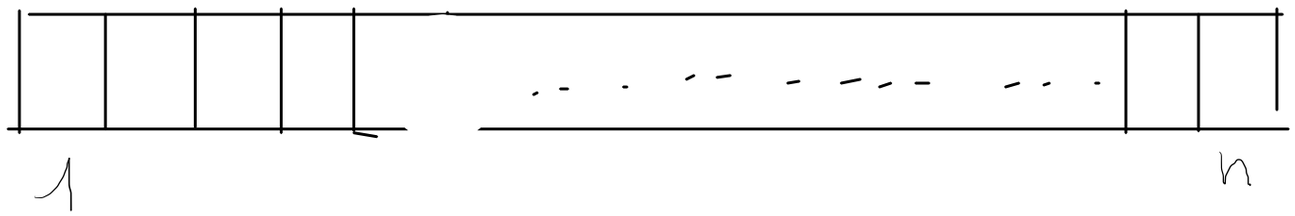
INSERTION SORT




```
insertionSort(int[] A) {
    for(int j=2; j≤A.length; j++) {   // 2c·n
        int key=A[j];                 // c·(n-1)
        int i=j-1;                    // 2c·(n-1)
        while(i>0 && A[i]>K) {        // 2c·Σ_{j=2}^{n} t_j
            A[i+1]=A[i]               // c·Σ_{j=2}^{n} (t_j-1)
            i--;                      // c·Σ_{j=2}^{n} (t_j-1)
        }
        A[i+1]=key;                   // 2c(n-1)
    }
}
```