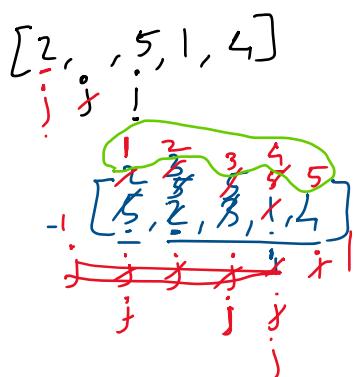
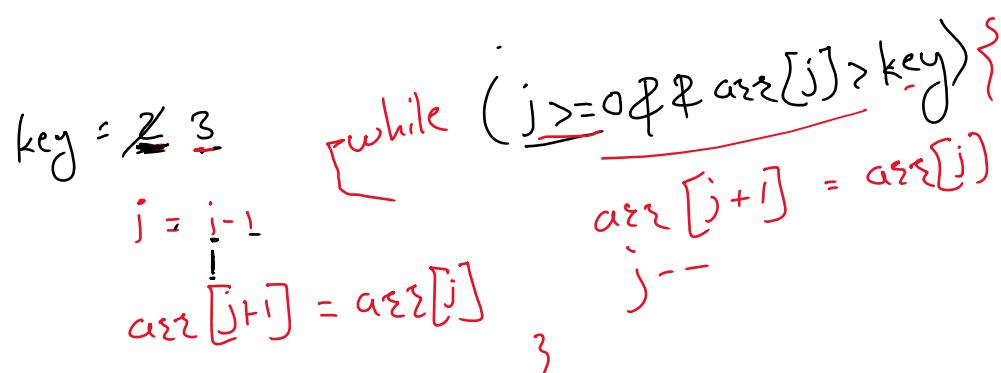
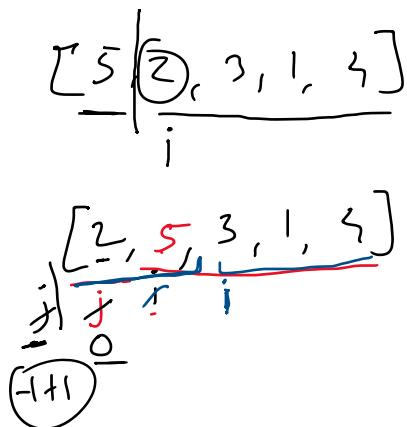


Insertion sort



$$\text{key} = \underline{K} \underline{\beta} \underline{+} \underline{\gamma}$$

```
for(i=1 ; i<arr.length; i++) {
```

key = arr[i]

$$j = \underline{i} - 1$$

while($j >= 0$) PF $\alpha \in \{j\}$ $\wedge \neg j$

$$\arg[j+1] = \arg[j]$$

j--

$$\text{arr}[j+1] = \text{key}$$

3

Right rotation



$$k=1 = \overbrace{[5, 1, 2, 3, 4]}^1$$

$$= \{4, 5, 1, 2, 3\}$$

$$k=2 \quad - \quad \underline{\underline{3,4,5,1,2}}$$

$$k=5 = [2, \underline{3, 4, 5}, 1]$$

$$k = 5 = \overline{1, 2, 3, 4, 5}$$

$k = 1$

k%5

7%5

2

$$\left\{ \begin{array}{l} k=4 = [4, 1, 2, 3] \\ \rightarrow k=5 = [1, 2, 3, 4, 5] \\ k=6 = [5, 1, 2, 3, 4] \\ k=7 = [4, 5, 1, 2, 3] \end{array} \right.$$

