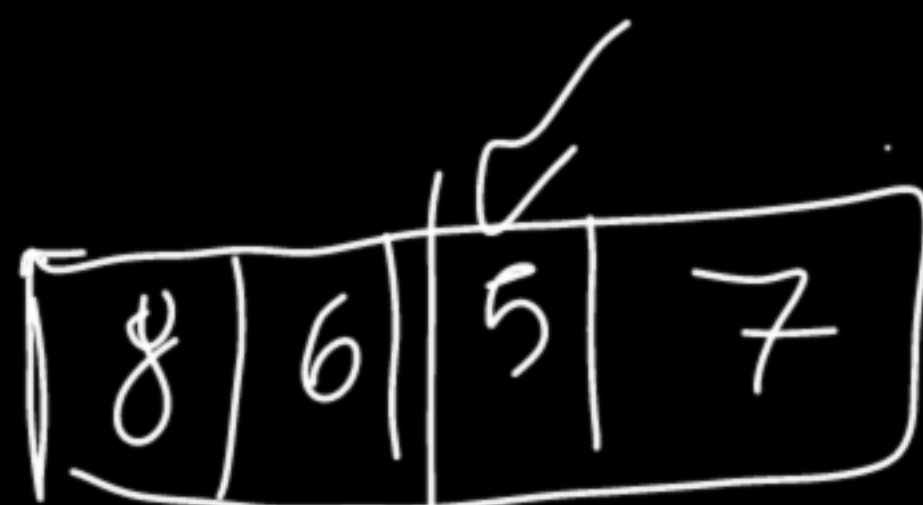
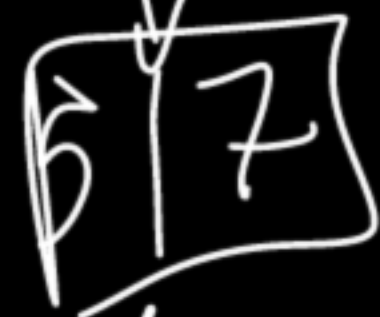


n=8

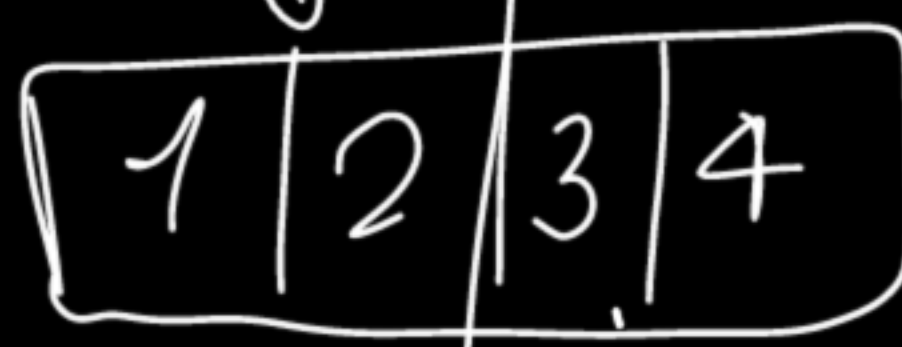
1
2
3



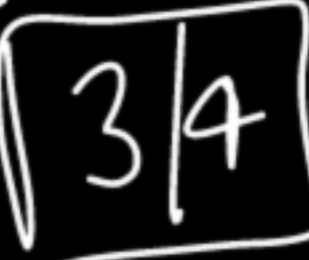
8 6



5 7



1 2



3 4

BUBBLE SORT

$$O(n)^2 = 64$$

QUICK SORT

$$O(\log_2 n) \cdot n$$

$$\downarrow \log_2 8 \cdot 8 = 24$$