

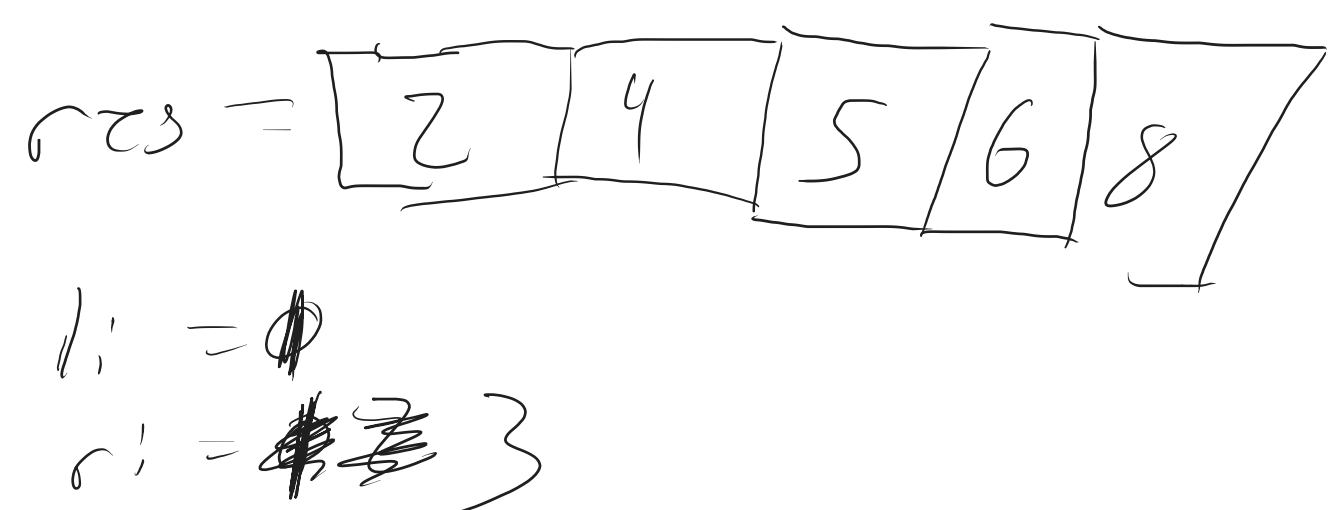
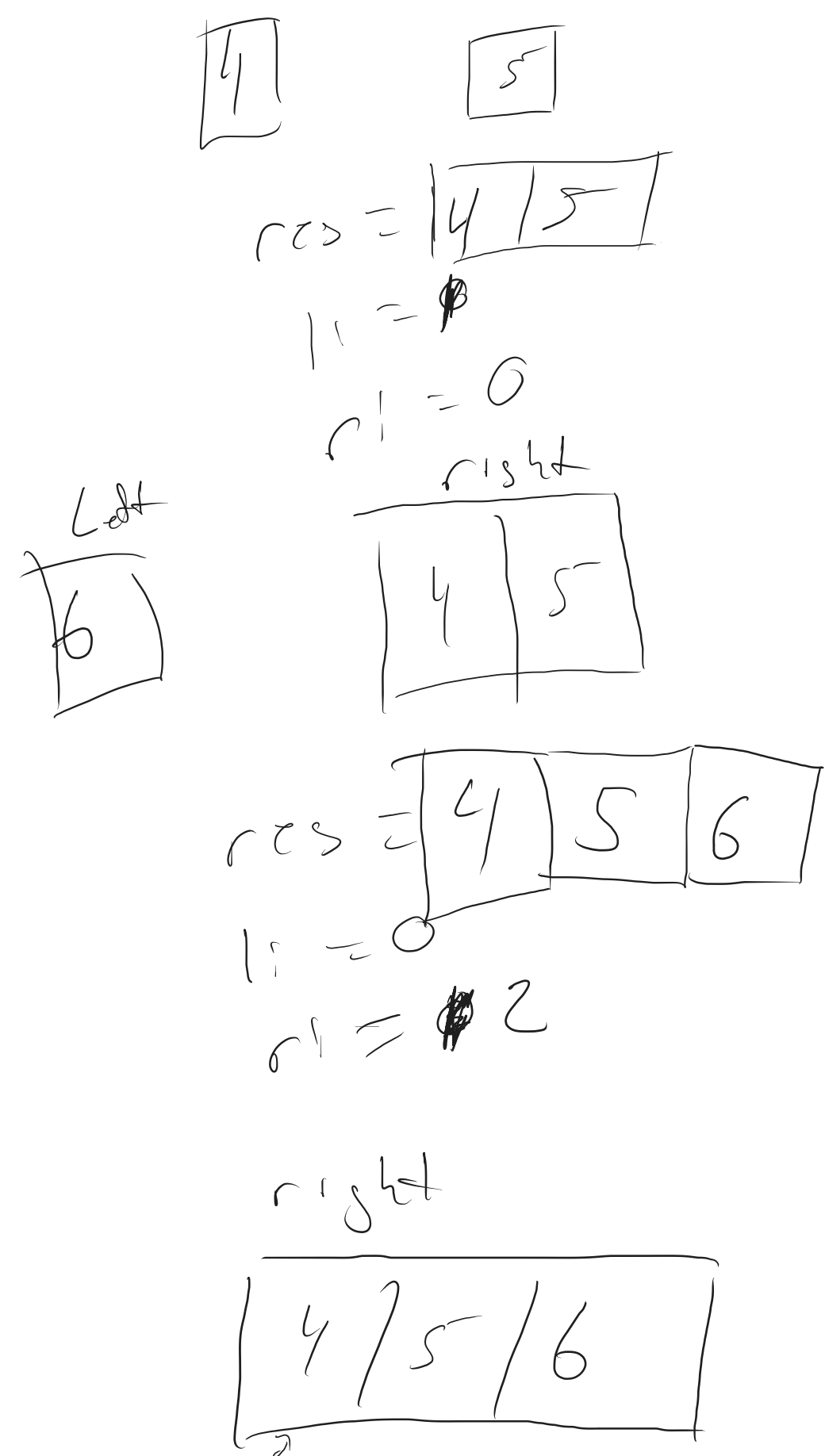
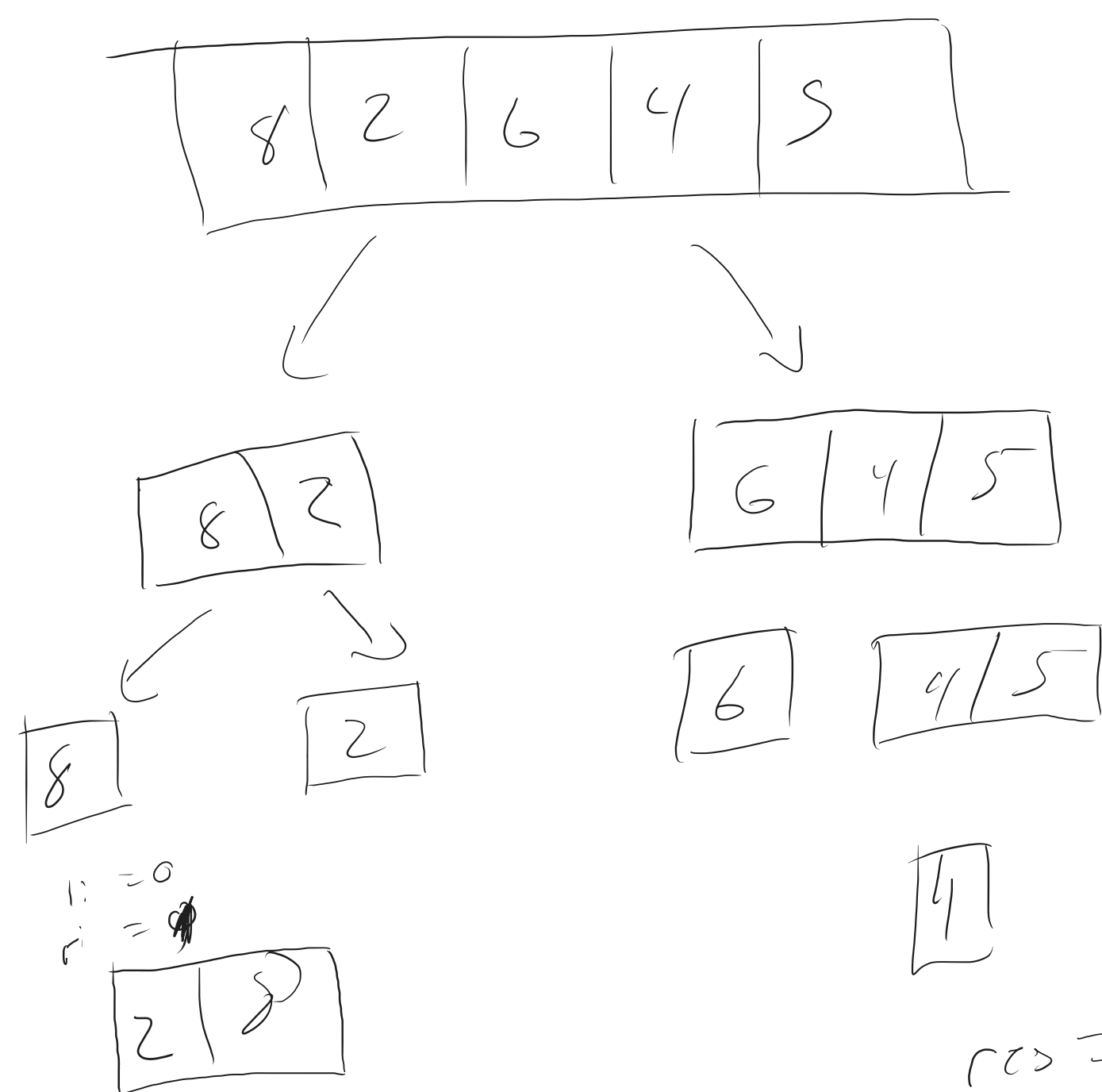
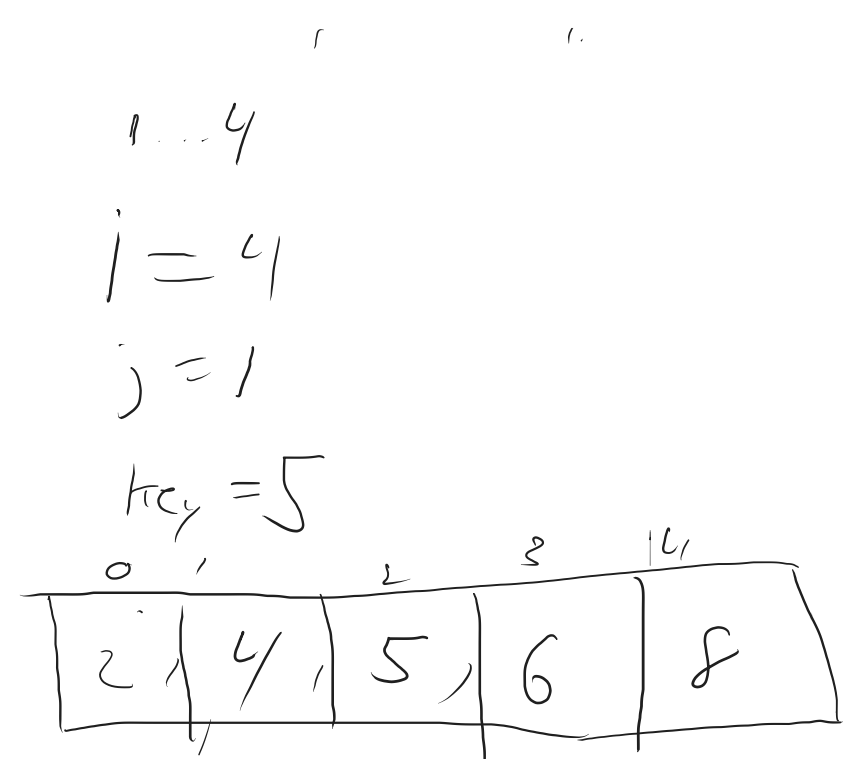
range  
0, 1, 2, ..., n-1

0 → n

n

n

$n \cdot n = n^2 \quad O(n^2)$



$$\text{merge} = O(m)$$

$$\text{merge\_sort} = O(\log n)$$

$$O(n \log n)$$