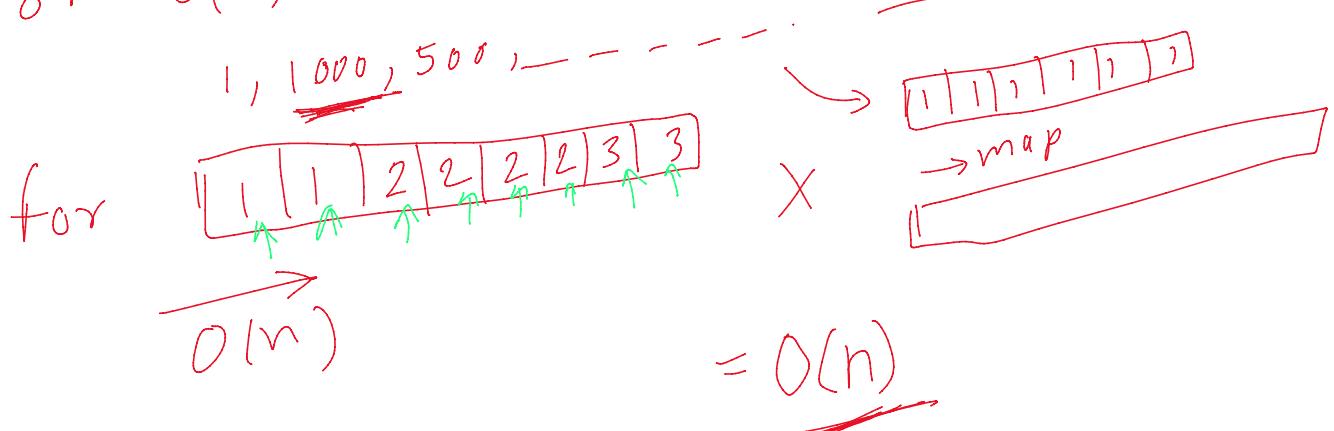
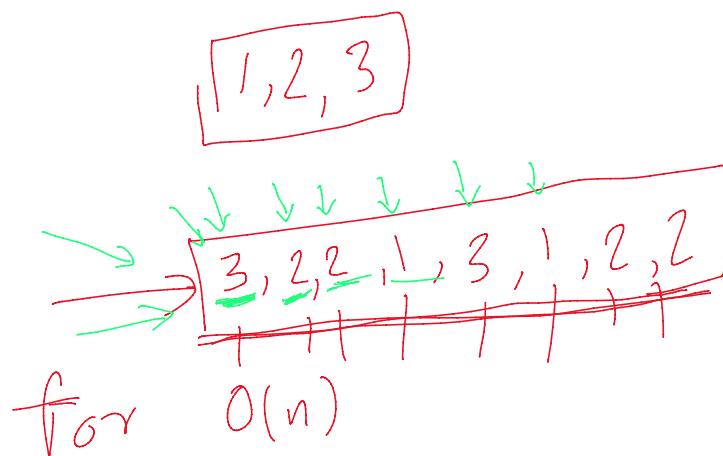
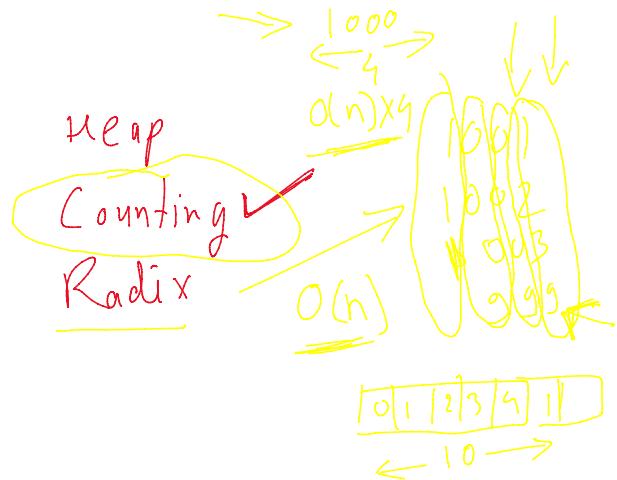


→ 2, 9, 3, 2, 1, 4
1, 2, 2, 3, 4, 9



- ✓ Bubble
✓ Selection
✓ Insertion
✓ Merge
Quick



[1, 2, 3, ..., 9, ..., 100]

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
2, 1, 3, 2, 2, 1, 3, 1, 2
✗ ✗ ✗ ✗ ✗ ✗ ✗ ✗ ✗

{ One = 0x23
two = 0x235
three = 0x2
... }
... ✓

~~2, 1, 5, 2, 1, 2, 1, 3, 4, 1~~

{ three = 3×2
Count =

X	3	4	2
0	1	2	3

```

int i=0;
while (one--) {
    arr[i] = 1;
    i++;
}
while (two--) {
    arr[i] = 2;
    i++;
}
}
arr[i] = 3;

```

return arr

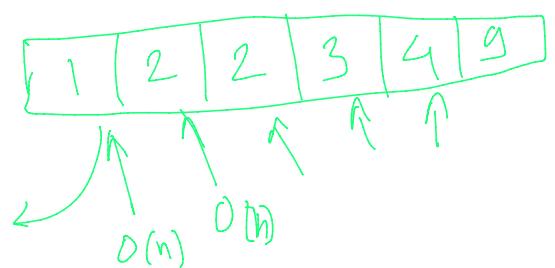
Selection Sort
ini_max

int_max

n

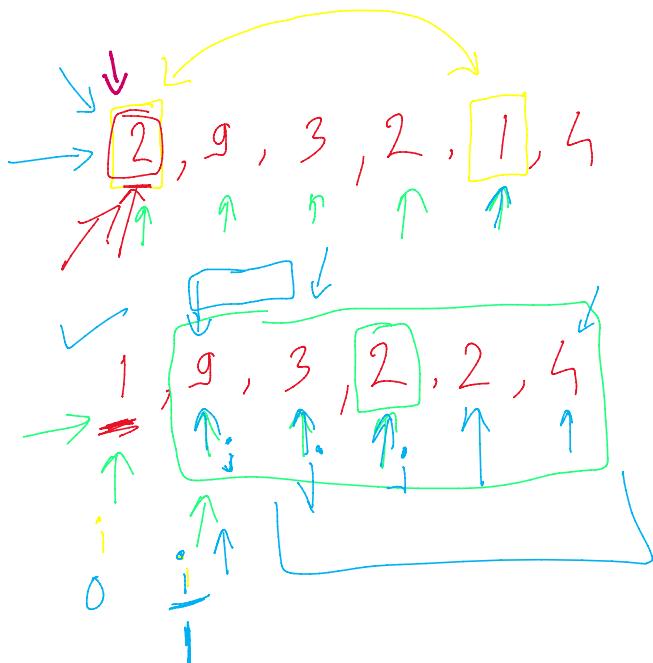
min =

2 > -999

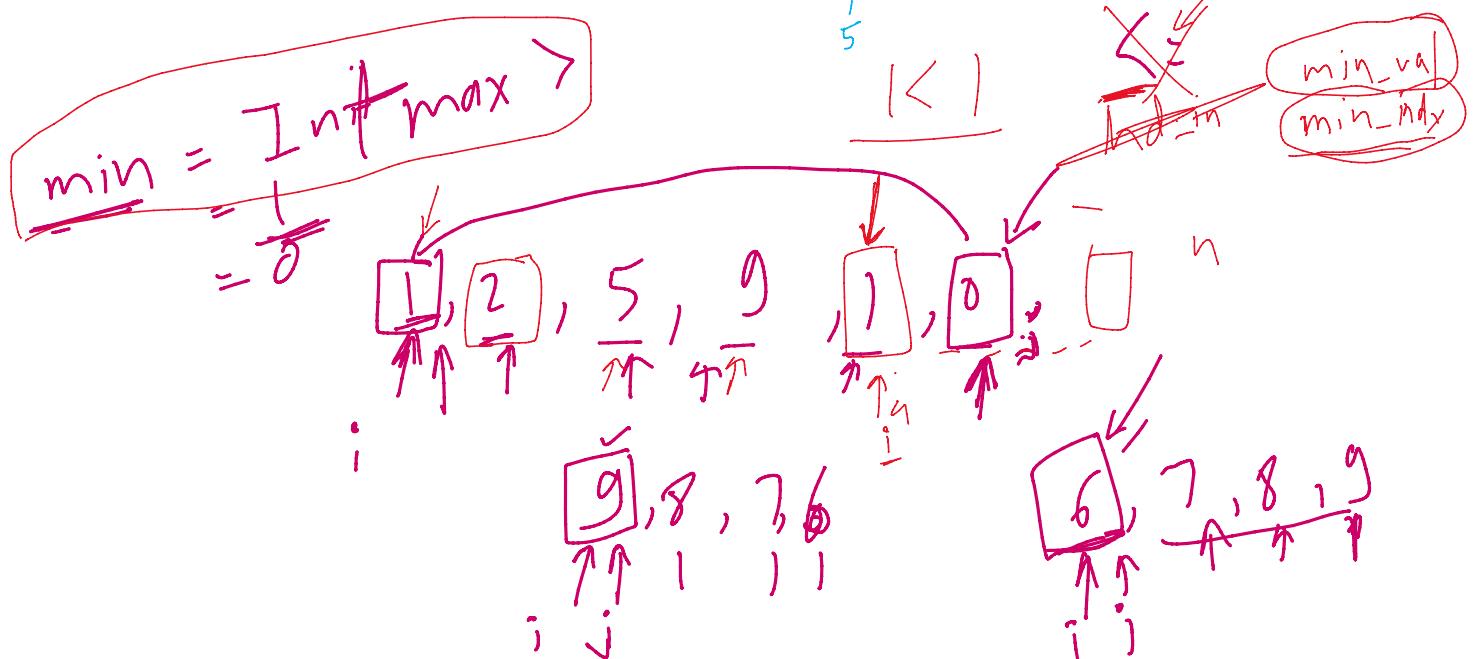
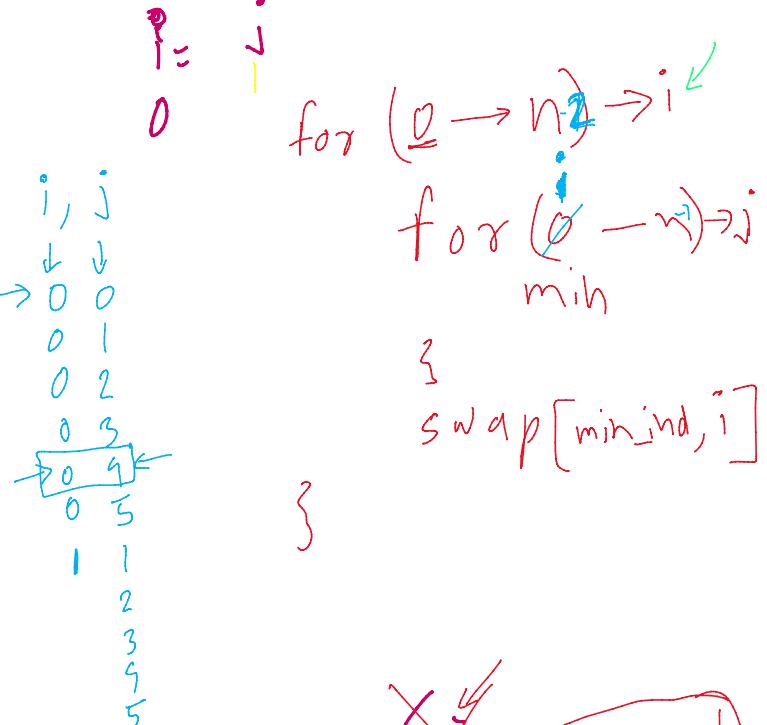


$O(n) \times O(n)$

Time = $O(n^2)$



Space = $O(n)$



$$\begin{array}{ccccccc}
 & \frac{1}{1} & \cdot & N & \cdot & R & \\
 & \rightarrow 2 & \cdot & 2 & \cdot & 0 & \\
 & \rightarrow 3 & \cdot & 4 & \cdot & 0 & \\
 & \rightarrow 5 & \cdot & 6 & \cdot & 1 & \\
 & \rightarrow 1 & \cdot & 16 & \cdot & 2 &
 \end{array}
 \quad
 \begin{array}{c}
 6 - (2+1) \\
 6 - 1 \\
 \sum 1 \\
 4-1=3 \\
 6-1=5 \\
 16-2=8
 \end{array}
 \quad
 \begin{array}{c}
 1 \\
 N - \underline{\sum} - \underline{arr[i-f]}
 \end{array}$$

$$\rightarrow \begin{array}{r} 1 \\ 5 - \\ 6 - \\ 7 - \end{array} \quad \begin{array}{r} 10 \\ \underline{16} \\ 2 \end{array} \quad \begin{array}{r} 6 - 1 = 5 \\ 10 - 2 = 8 \end{array} \quad N - \text{sum} - \text{ans}[i]$$

$$4 - \left(1 - 0 \right) = \\ \downarrow = 1 \quad = 3 \times 2$$

$$\begin{array}{r} 1 \\ 2 \\ 3 \\ 4 \\ \rightarrow 5 \\ 6 \\ 7 \end{array} \quad \begin{array}{r} 1 \\ 1 \\ 2 \\ 3 \\ 3 \quad 4-1 \\ 5 \quad 6-1 \\ \leftarrow 6-2 \end{array}$$

$$10 - \cancel{(2-1)} \\ \cdot 10 - 1$$

6, 2, 4

$$\begin{array}{r} 1 \\ 2 \\ 3 \\ \rightarrow 4 \\ 5 \\ \leftarrow 6 \\ 7 \end{array} \quad \begin{array}{l} A - \\ A - \\ A \boxed{B} \\ A \boxed{B C} \\ \boxed{B C D} \end{array} \quad \begin{array}{l} = \\ \cancel{ans[i-1] - [i-f]} \\ \cancel{ans[i-1] - ans[i-f]} \\ ans[i-1] - ans[i-f] \end{array}$$

$$2 + \underbrace{\cancel{ans[i-delay] - ans[i-f]}}_{ans[i-delay] - ans[i-f]}$$

$$2 + 1 \\ = 3$$

$$6 = 3 -$$