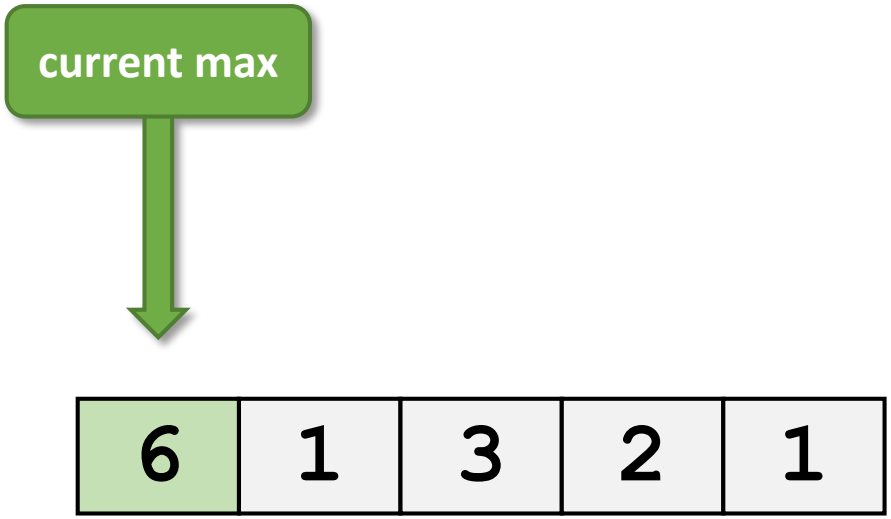
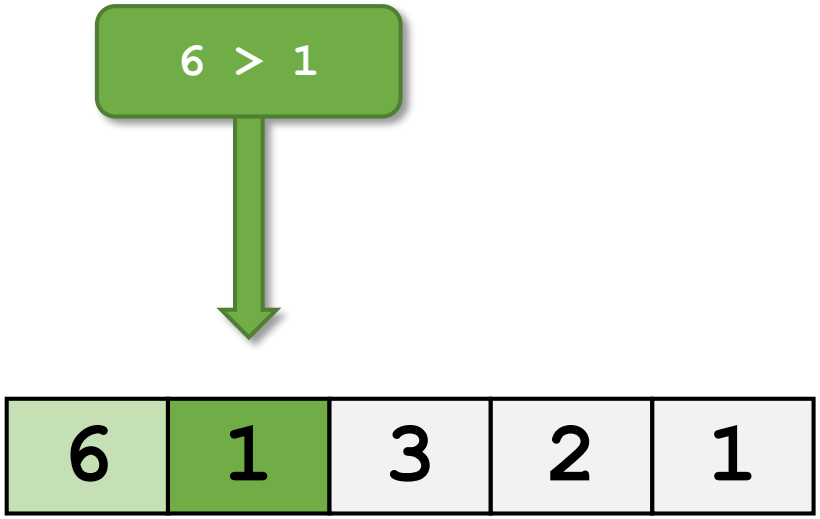
Maximum Sort

Idea

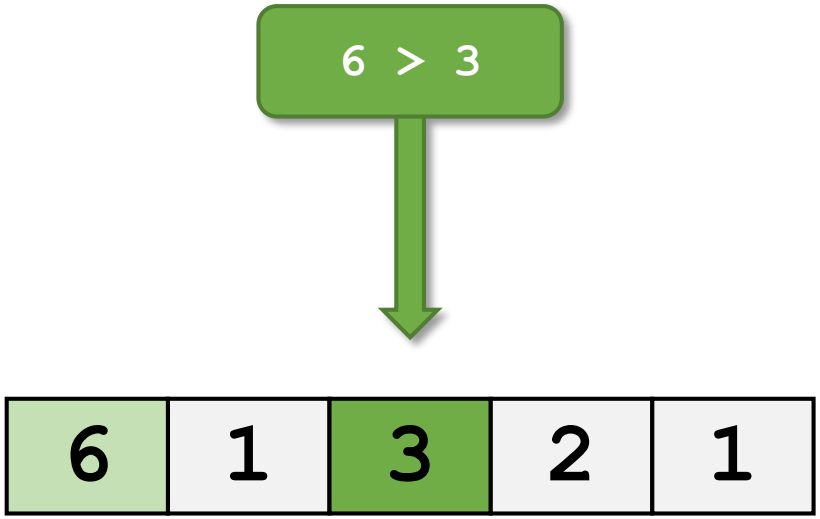
Idea



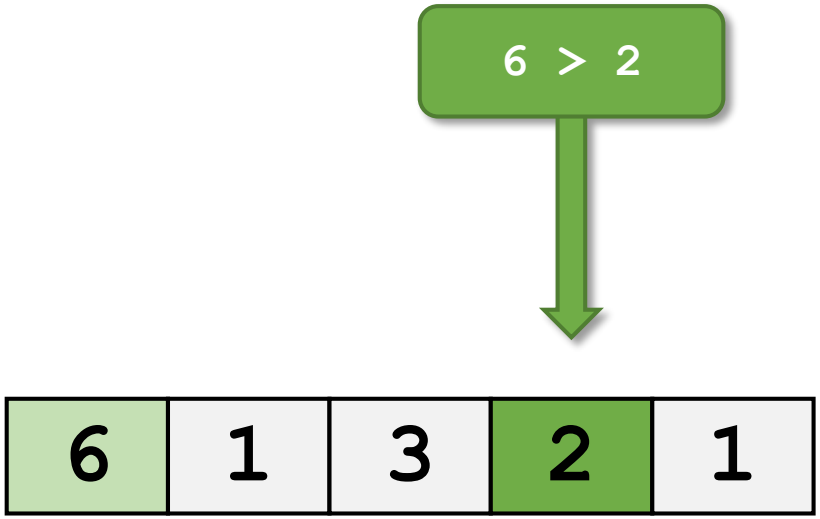
Idea



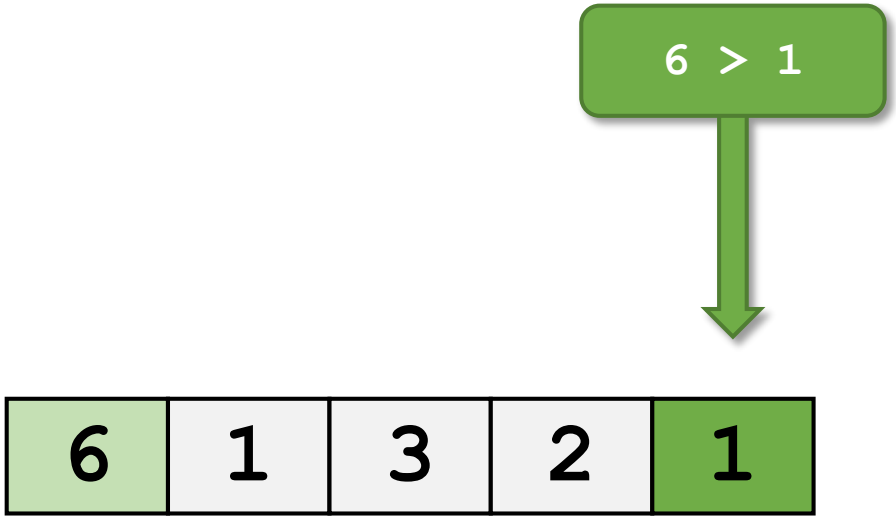
Idea



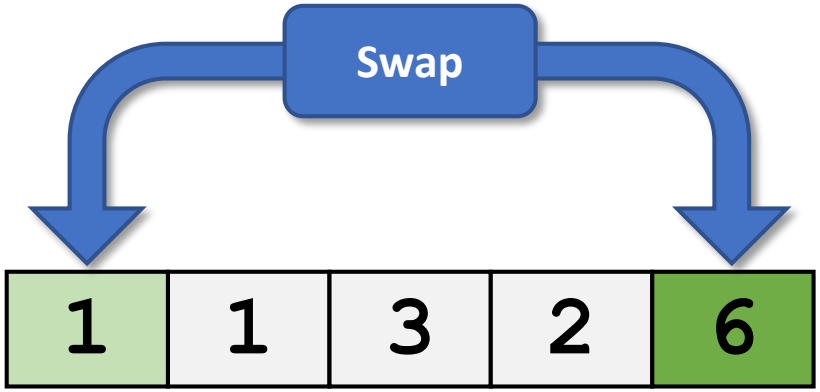
Idea



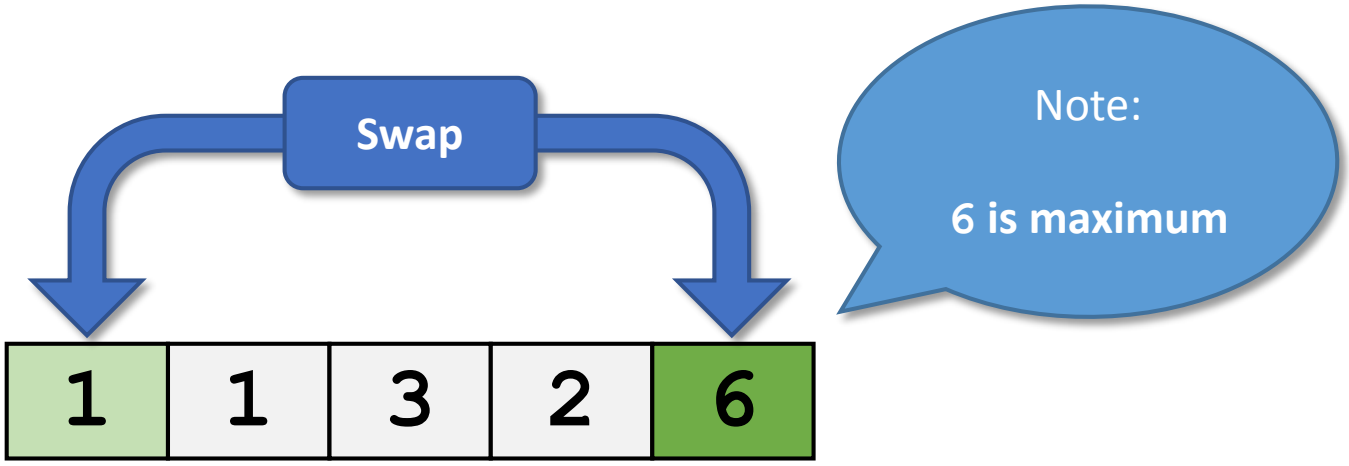
Idea



Idea

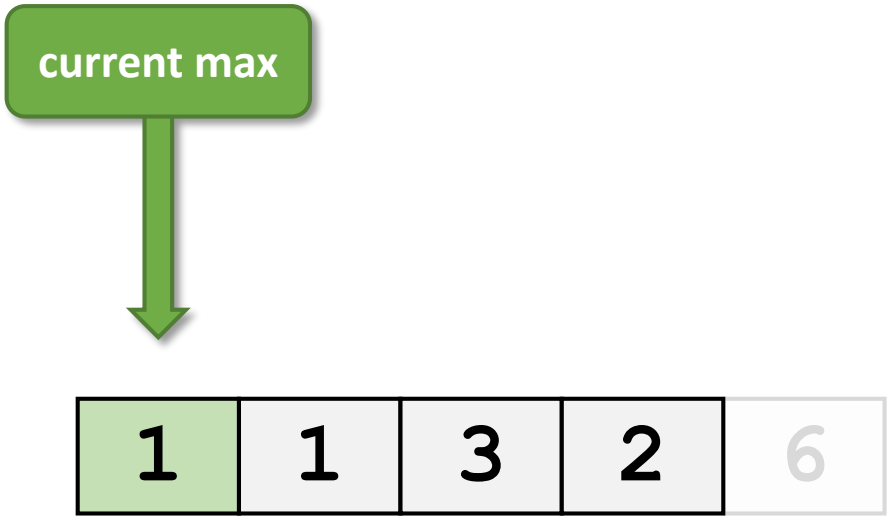


Idea

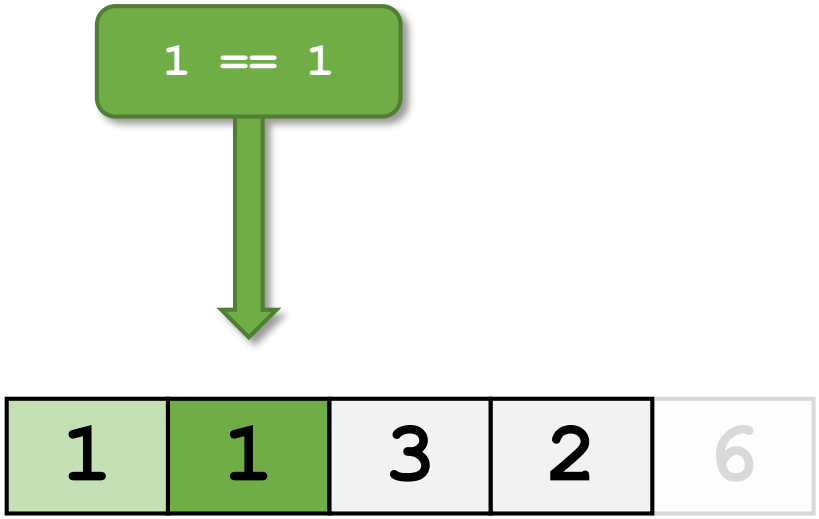


Idea

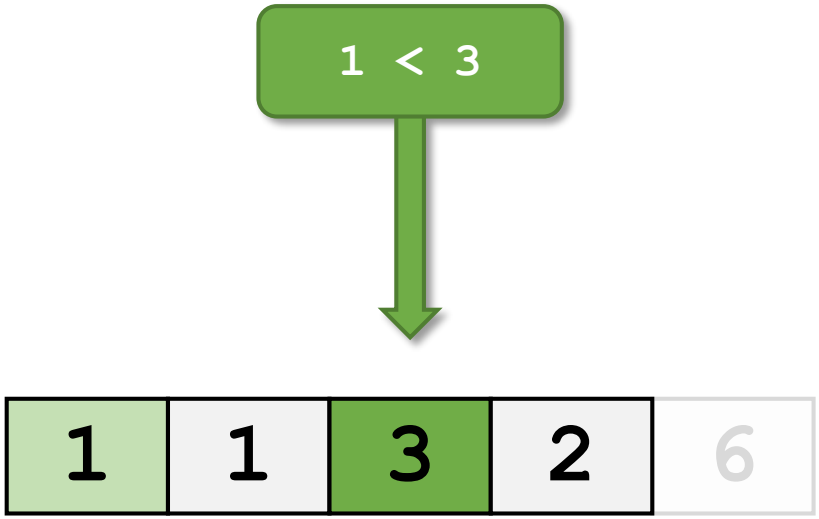
Idea



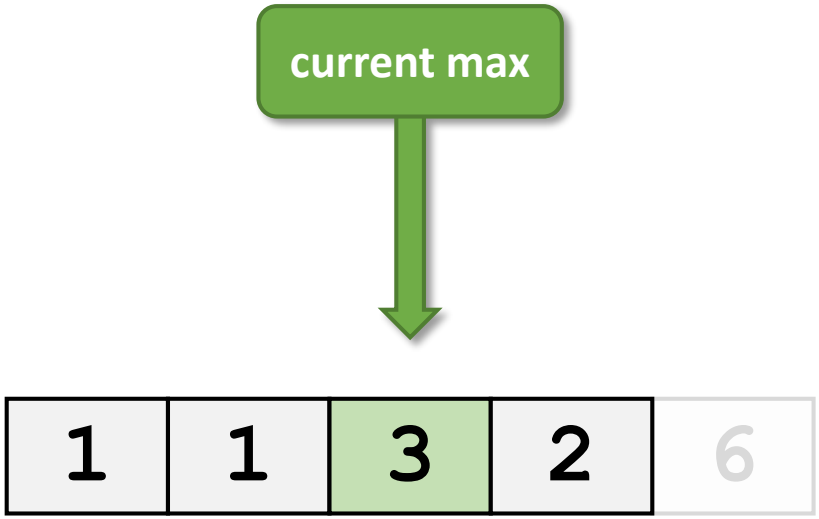
Idea



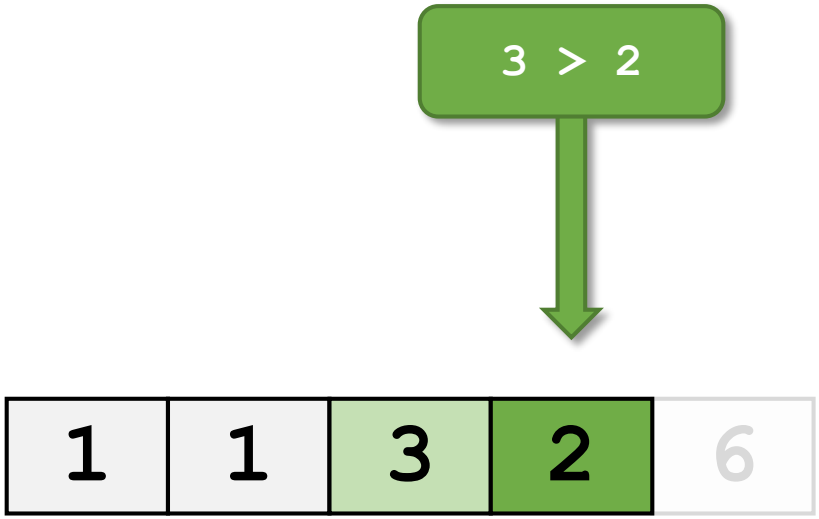
Idea



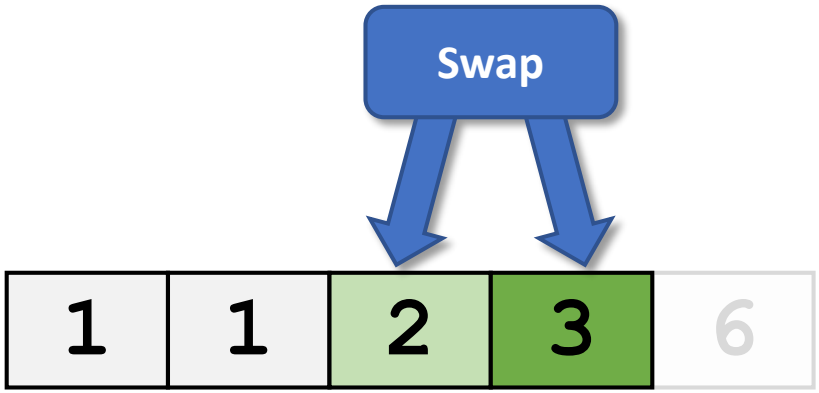
Idea



Idea

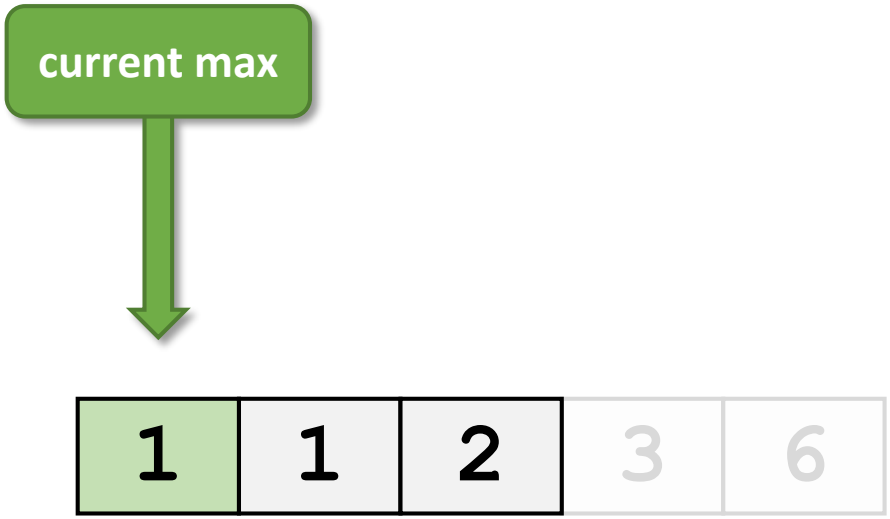


Idea

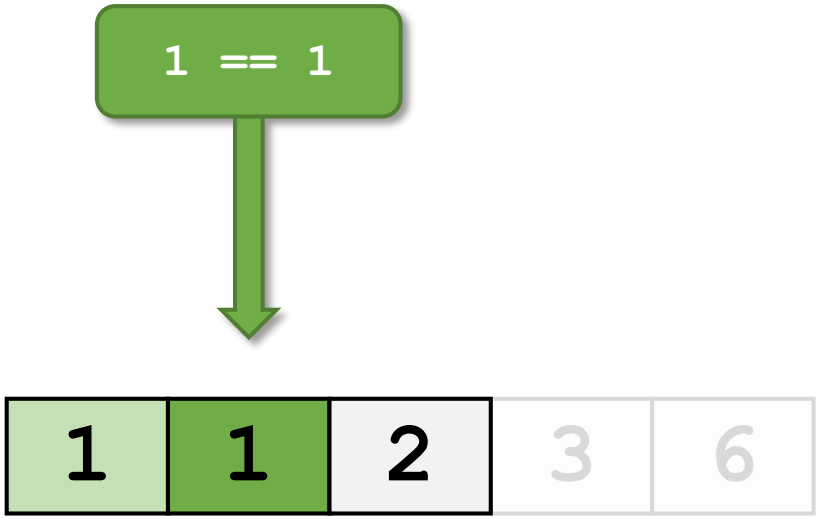


Idea

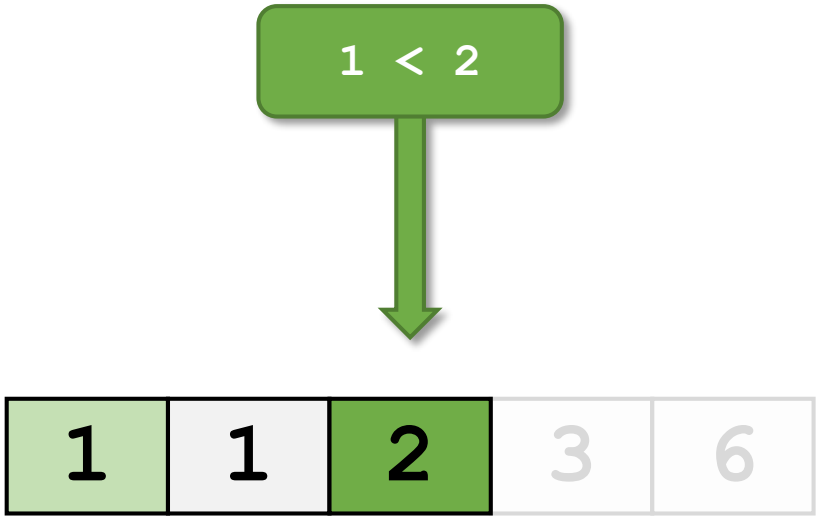
Idea



Idea

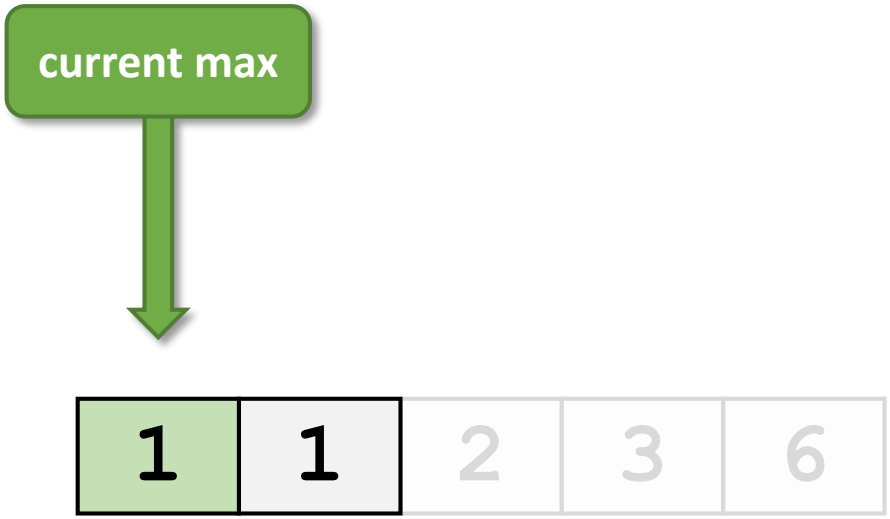


Idea

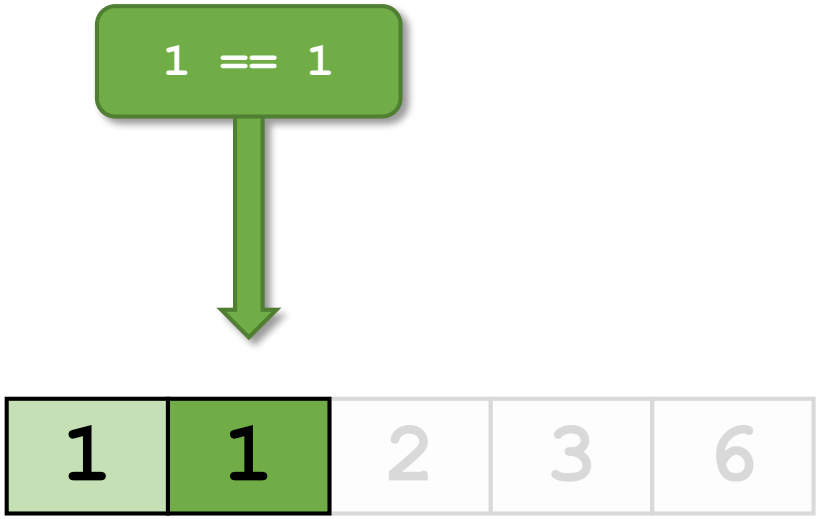


Idea

Idea

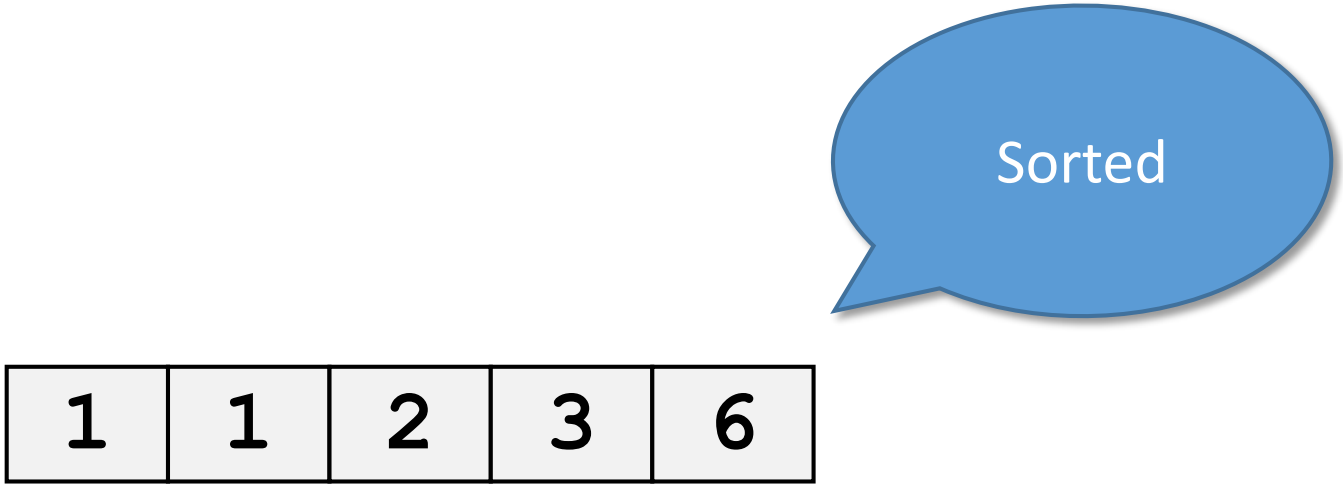


Idea



Idea

Idea



Algorithm – Maximum Sort

Algorithm – Maximum Sort

```
int a[] = {6, 1, 3, 2, 1};

for (int i = 4; i >= 0; --i) {
    int curr_max = 0;

    // Find Maximum
    for (int j = 0; j <= i; ++j)
        if (a[j] > a[curr_max])
            curr_max = j;

    // Swap Maximum to the Right
    int temp = a[i];
    a[i] = a[curr_max];
    a[curr_max] = temp;
}
```

Algorithm – Maximum Sort

```
int a[] = {6, 1, 3, 2, 1};

for (int i = 4; i >= 0; --i) {
    int curr_max = 0;

    // Find Maximum
    for (int j = 0; j <= i; ++j)
        if (a[j] > a[curr_max])
            curr_max = j;

    // Swap Maximum to the Right
    int temp = a[i];
    a[i] = a[curr_max];
    a[curr_max] = temp;
}
```

Note:

Do **not** consider **previous maxima**.