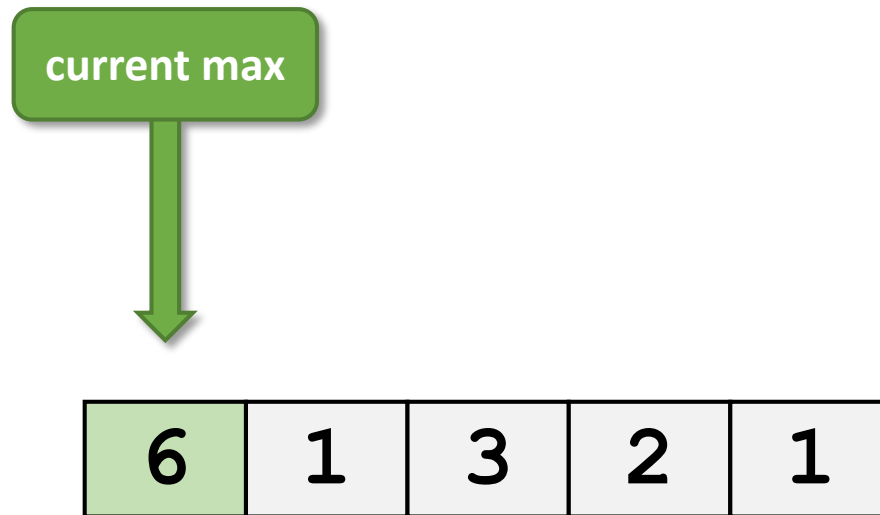


Maximum Sort

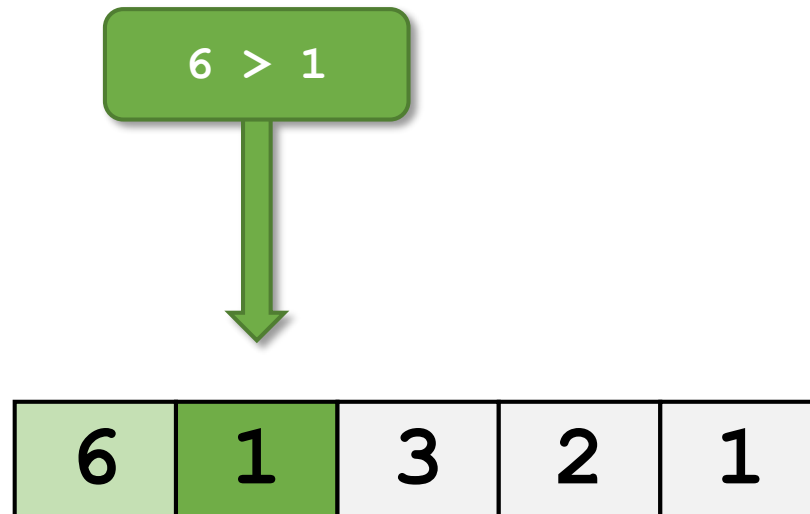
Idea

6	1	3	2	1
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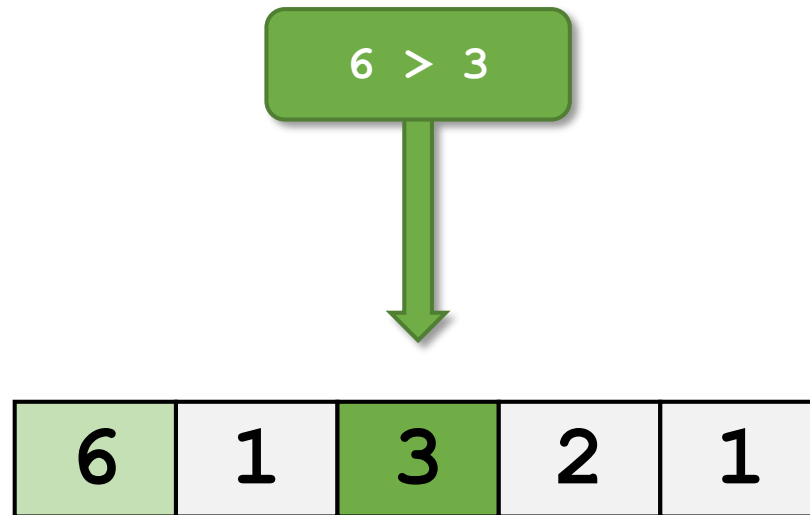
Idea



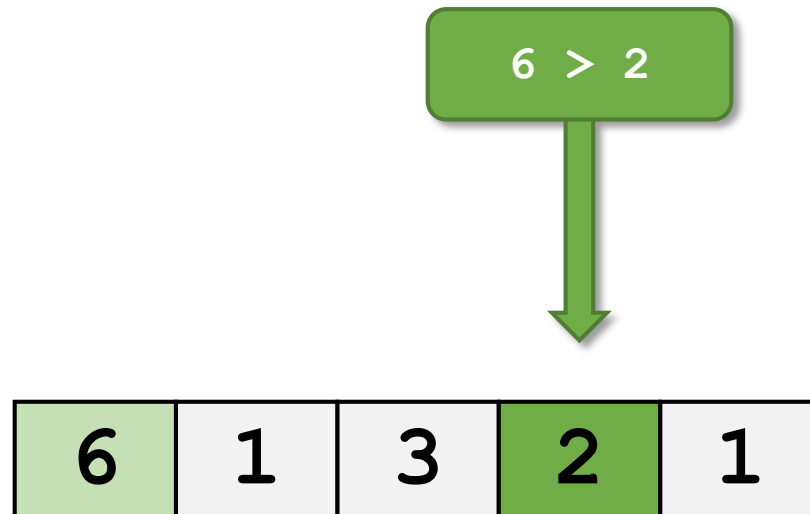
Idea



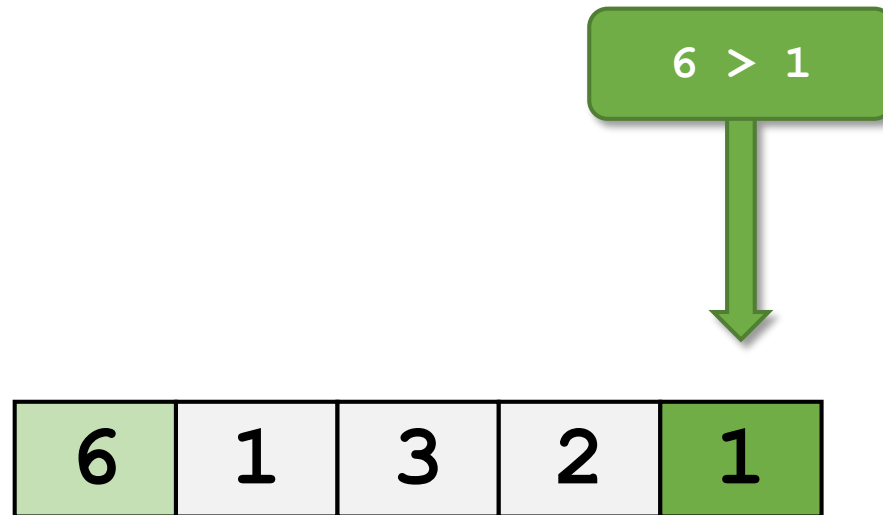
Idea



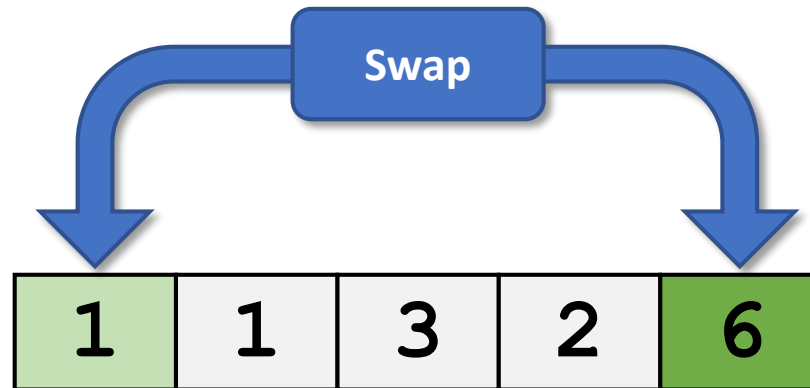
Idea



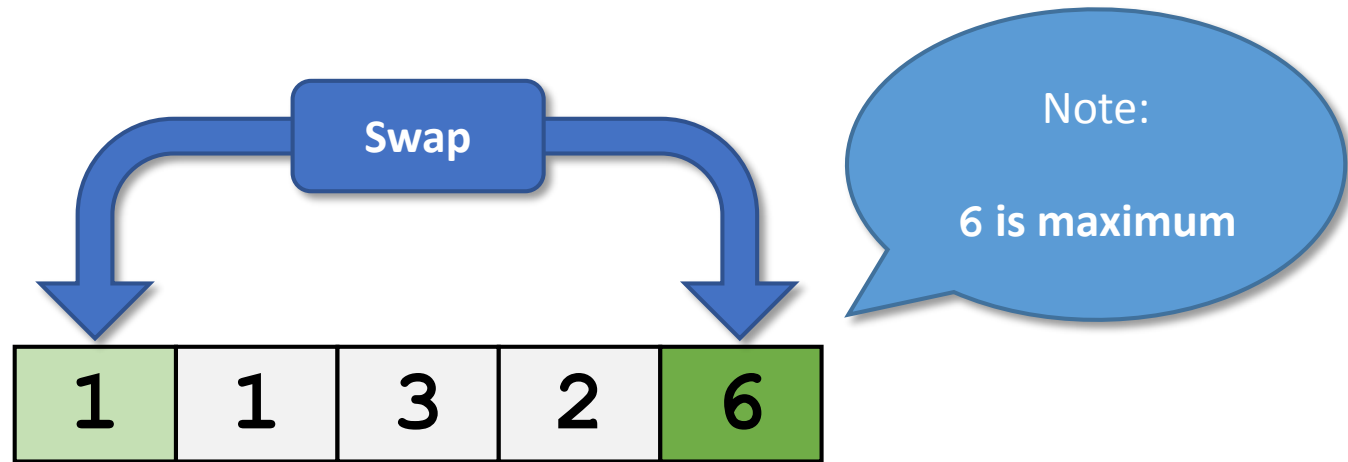
Idea



Idea



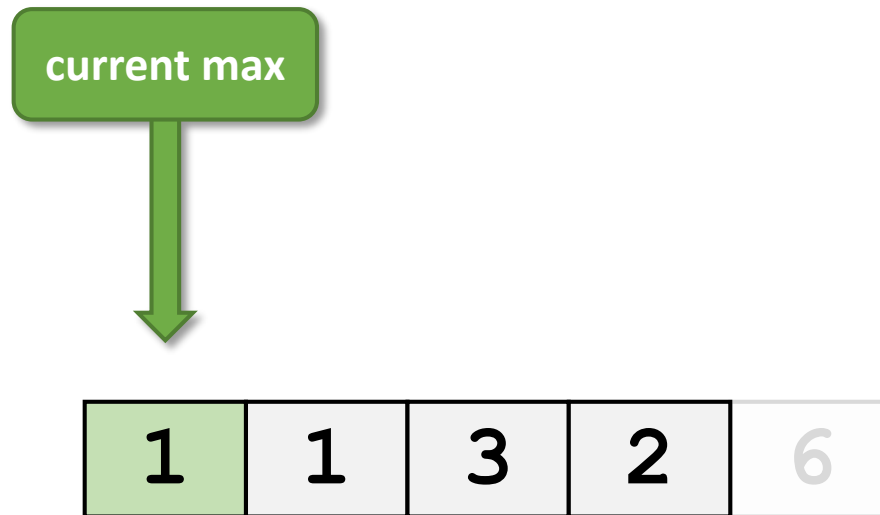
Idea



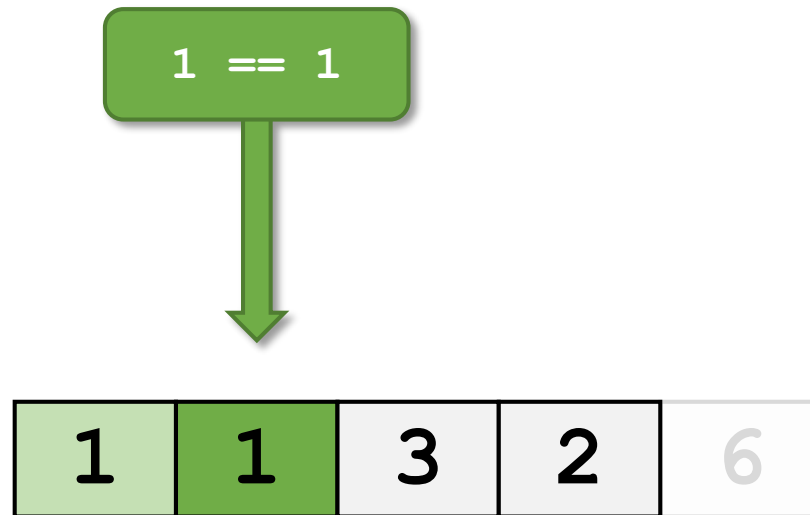
Idea



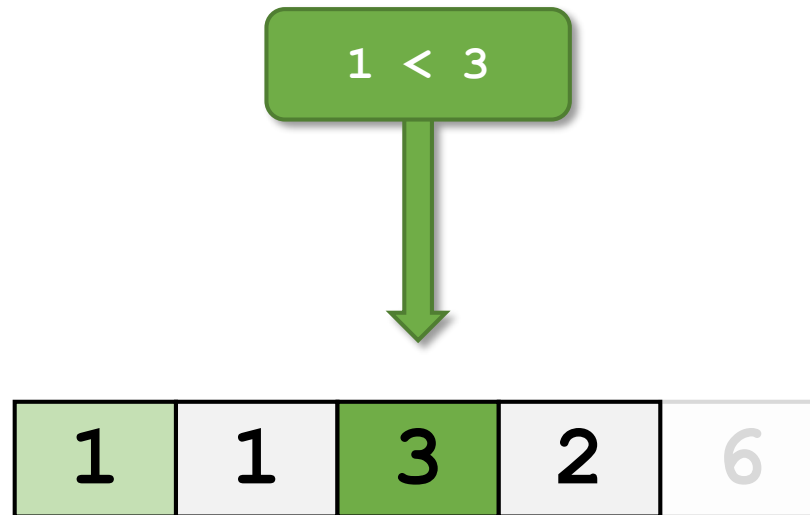
Idea



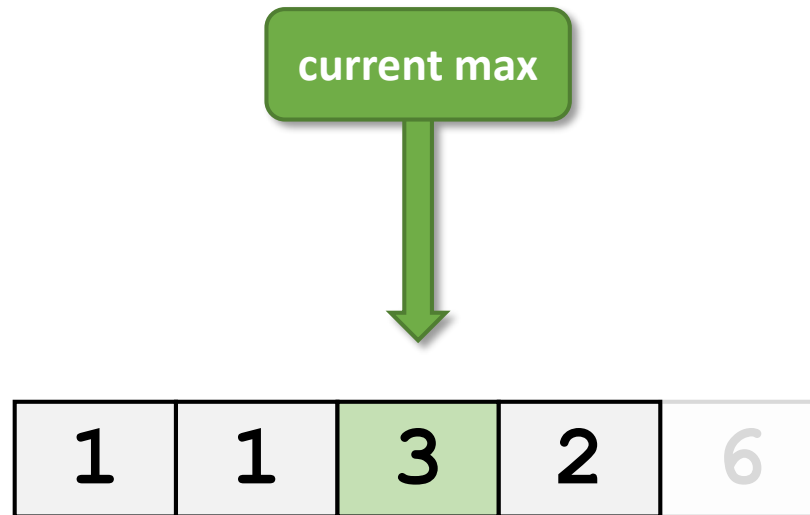
Idea



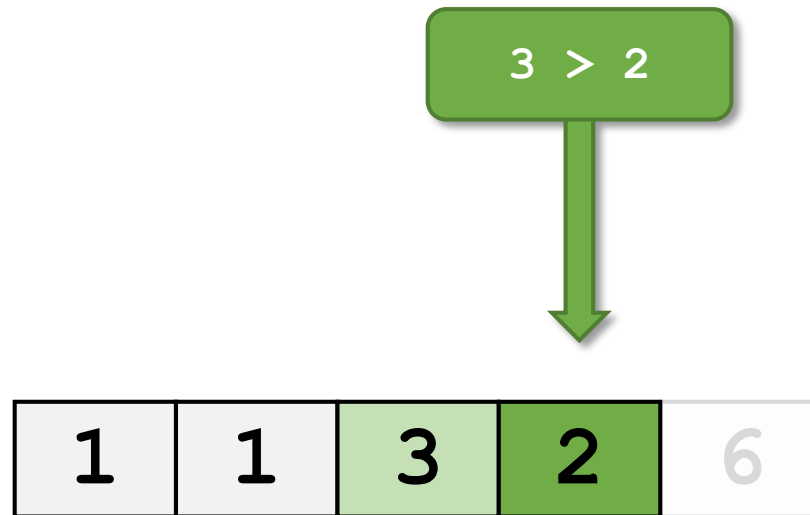
Idea



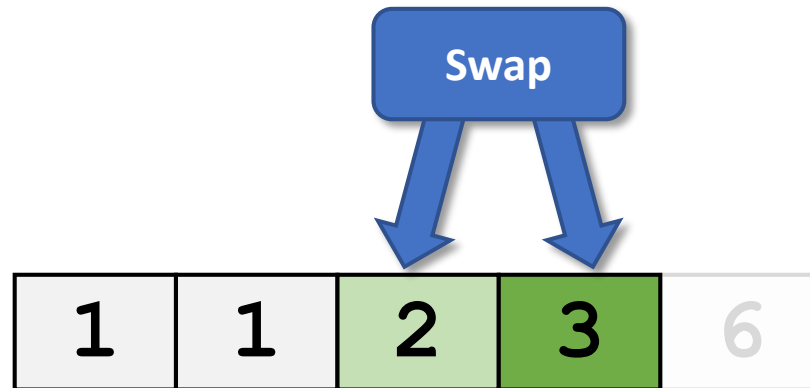
Idea



Idea



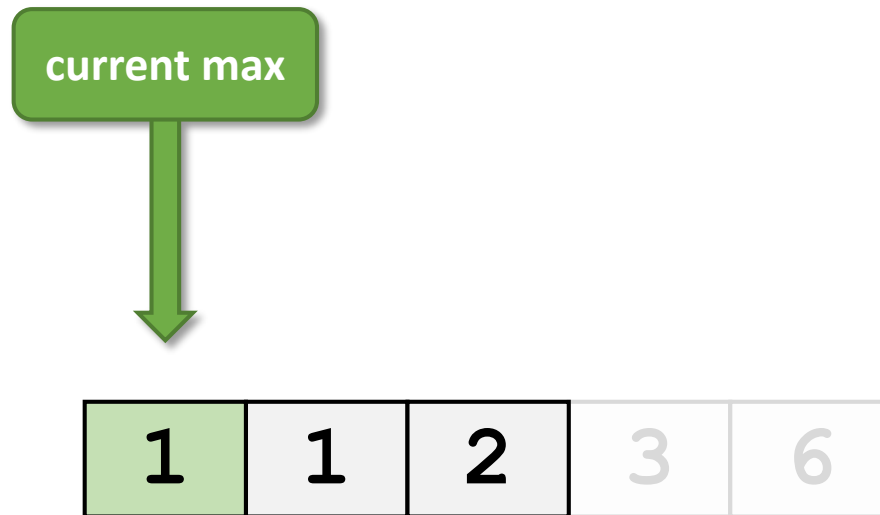
Idea



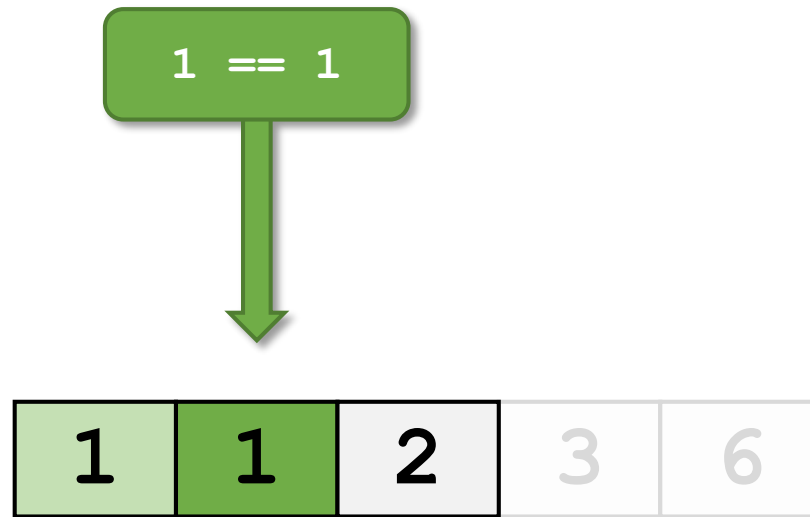
Idea

1	1	2	3	6
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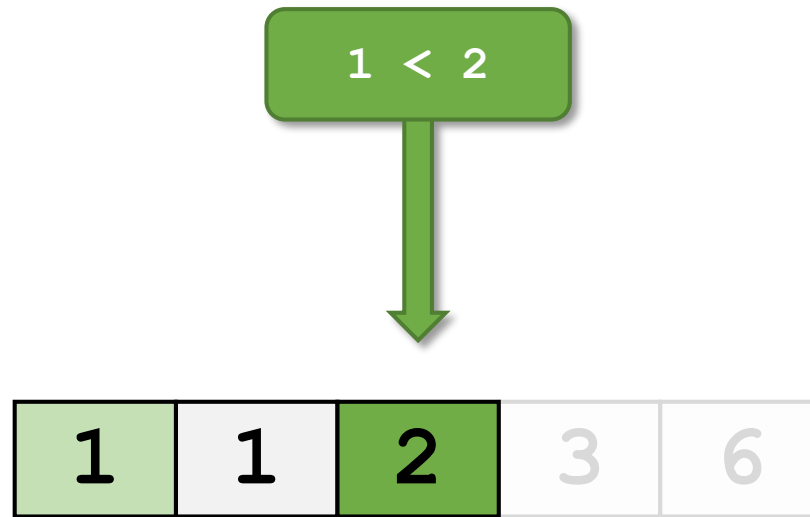
Idea



Idea



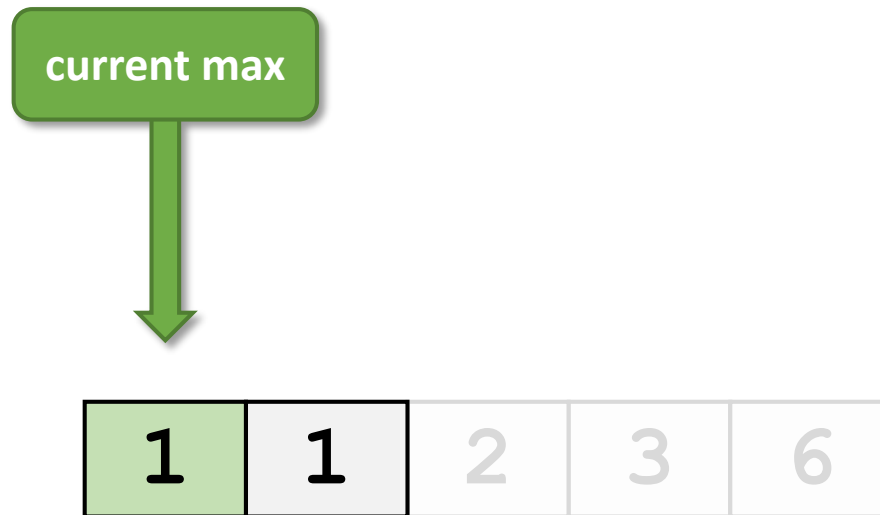
Idea



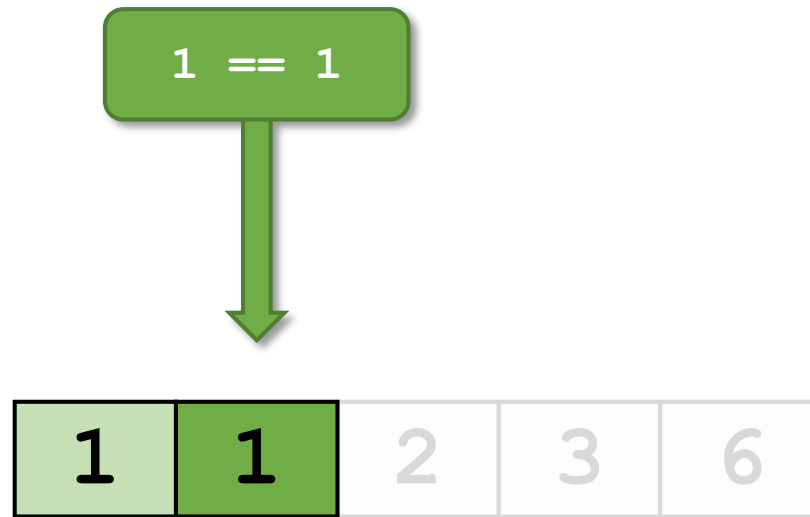
Idea

1	1	2	3	6
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Idea



Idea

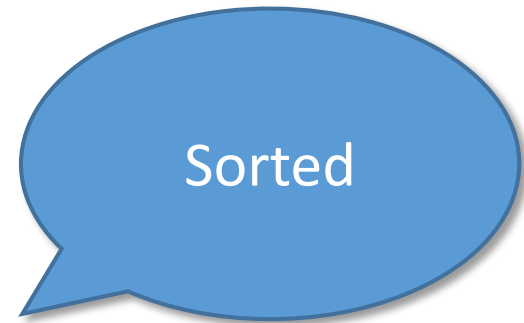


Idea

1	1	2	3	6
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Idea

1	1	2	3	6
---	---	---	---	---



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

```
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            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.

1	3	2	1	6
---	---	---	---	---