

Question: → Contains Duplicate (LeetCode)

$[1, 2, 3, 4]$, $[1, 1, 2, 2, 3, 4]$
 ↓
 false true {boolean}



Sort: → $[1, 2, 3, 4, 1]$ ⇒ $1, 1, 2, 3, 4$
 $arr[i] == arr[i+1]$

int n = arr.size()

sort(arr.begin(), arr.end()) return true

for (int i = 0; i < n - 1; i++)
 if (arr[i] == arr[i+1])

insert ↓ ↓ ↓ ↓ ↓ ↓ if false
 1, 2, 3, 4 × ×
 duplicate
 return true

① "Problems around duplicate
then apply \rightarrow 'HashSet'"

20/3/20

```
unordered_set<int> intSet;
```

```
for (int x: nums)
```

- 11 check duplicates

```
if (intSet.find(x) != intSet.end())
```

```

    { return true;
    {

```

else { insert.insert(x);

```
use { insert.insert(1);  
    }  
}  
return false;
```