

```
class Solution {
    public boolean containsNearbyDuplicate(int[] nums, int k) {
        Set<Integer> window = new HashSet<>();

        for (int i = 0; i < nums.length; i++) {
            if (window.contains(nums[i])) {
                return true;
            }

            window.add(nums[i]);

            if (window.size() > k) {
                window.remove(nums[i - k]);
            }
        }

        return false;
    }
}
```

Testcase Accepted Test Result

Accepted Runtime: 0 ms

Case 1 Case 2 Case 3

Input

```
nums =
[1,2,3,1]
```

k =

```
3
```

Output

```
true
```

Expected

```
true
```

 Contribute a testcase