

DUPLICATE_SLIDING_WINDOW

```
import java.io.*;
import java.util.Arrays;
import java.util.Set;
import java.util.HashSet;

public class Duplicate_sliding_window
{
    public boolean task2(int num[],int k)
    {
        Set<Integer> window=new HashSet<>();

        for(int i=0;i<num.length;i++)
        {
            if (window.contains(num[i]))
            {
                return true;
            }
            window.add(num[i]);
            if (window.size()>k)
            {
                window.remove(num[i-k]);
            }
        }
        return false;
    }
    public static void main(String[] args)
    {
        Duplicate tsk=new Duplicate();
```

```
int num[]={1,0,1,1};  
int k=1;  
System.out.println(tsk.task2(num,k));  
  
}  
}
```