https://course.acciojob.com/idle?question=0b474ed5-9d42-4b71-bbb7-7424d139805c

- MEDIUM
- Max Score: 40 Points
-

DiffK

Given an array `A` of sorted integers and another non negative integer `k`, find if there exists 2 indices `i` and `j` such that `A[i] - A[j] = k, i != j`.

Note: Try doing this in less than linear space complexity.

You have to complete `diffPossible` function which contains array `A` and integer `K` or `B` (given difference) as inputs and you have to return integer output as `1` or `0`.

Input Format

First line contains a number `n` which denotes the size of the array.

Second line will contain n spaced separted elements of array `A`

Third line will contain a non-negative integer `k`.

Output Format

Print 0 or 1 (i.e. 0 for false, 1 for true) for this problem.

Example 1:

Input

```
3
1 3 5
4
```

Output

```
1
```

Explanation

```
As 5 - 1 = 4
```

Example 2:

Input

```
5
1 3 5 6
7
```

Output

```
0
```

Explanation

```
There is no pair whose difference is equal to 7.
```

Constraints

```
2 <= A.length <= 10^4
```

```
-10^9 <= A[i] <= 10^9
```

```
-10^9 <= k <= 10^9
```

Topic Tags

- 2-Pointers
- Arrays

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
	public static void main (String[] args) throws
java.lang.Exception
	{
		//your code here
      Scanner s=new Scanner(System.in);
      int n=s.nextInt();
      int arr[]=new int[n];
      for(int i=0;i<n;i++)
        arr[i]=s.nextInt();
        int k=s.nextInt();
      int a=1,b=0;
      for(int i=0;i<n-1;i++)
        for(int j=i+1;j<n;j++)
        {
         if(arr[j]-arr[i]==k) { System.out.print("1");return;}

        }
       System.out.print("0");
        }
}
```