https://course.acciojob.com/idle?question=fe25c939-1b3d-4b7f-a338-9149f1e1fe23

- EASY
- Max Score: 30 Points

Angry Professor

Discrete Mathematics professor has a class of `n` students.

Frustrated with their lack of discipline, the professor decides to cancel class if fewer than `k` students are present when class starts. Arrival times go from on time (arrivalTime =<0) to arrived late (arrivalTime>0).

Given the arrival time of each student and a threshold number of attendees (k), determine if the class is canceled or not.

Input Format

The first line has two space-separated integers, `n` and `k`, the number of students (size of array `a`), and the cancellation threshold.

The second line contains `n` space-separated integers `a[i]` that describe the arrival times for each student.

Output Format

Print `YES` if the class is canceled and `NO` if the class is not canceled

Example 1

Input

```
4 3
-1 -3 4 2
```

Output

```
YES
```

Explanation

k=3. The professor wants at least 3 students in attendance, but only 2 have arrived on time (-3 and -1) so the class is cancelled.

Example 2

Input

```
5 3
0 0 0 0 -1
```

Output

```
NO
```

Explanation

All the students arrived on time, so the class is not cancelled.

Constraints

1 <= `n` <= 1000

1 <= `k` <= n

-100 <= `a[i]` <= 100

Topic Tags

- **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 t=s.nextInt();
       for(int i=0;i<t;i++)
         {
      int n=s.nextInt();
      int k=s.nextInt();
      int  a[] =new int[n];
           int c=0;
           for(int j=0;j<n;j++)
             {
               a[j]=s.nextInt();
               if(a[j]<=0) c++;
             }
           if(c>=k)
             System.out.println("NO");
           else System.out.println("YES");
```

```
        }
        }
}
```