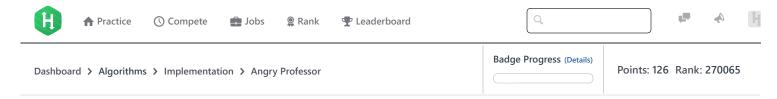
15/11/2017 HackerRank



Angry Professor **■**



Problem	Submissions	Leaderboard	Discussions	Editorial 🔒	Topics		
---------	-------------	-------------	-------------	-------------	--------	--	--

A Discrete Mathematics professor has a class of N students. Frustrated with their lack of discipline, he decides to cancel class if fewer than K students are present when class starts.

Given the arrival time of each student, determine if the class is canceled.

Input Format

The first line of input contains T, the number of test cases.

Each test case consists of two lines. The first line has two space-separated integers, N (students in the class) and K (the cancelation threshold). The second line contains N space-separated integers (a_1, a_2, \ldots, a_N) describing the arrival times for each student.

Note: Non-positive arrival times ($a_i \leq 0$) indicate the student arrived early or on time; positive arrival times ($a_i > 0$) indicate the student arrived a_i minutes late.

Constraints

- $1 \le T \le 10$
- $1 \le N \le 1000$
- $1 \le K \le N$
- $-100 \le a_i \le 100, where i \in [1, N]$

Output Format

For each test case, print the word YES if the class is canceled or NO if it is not.

Note

If a student arrives exactly on time $(a_i = 0)$, the student is considered to have entered before the class started.

Sample Input

```
2
4 3
-1 -3 4 2
4 2
0 -1 2 1
```

Sample Output

YES NO

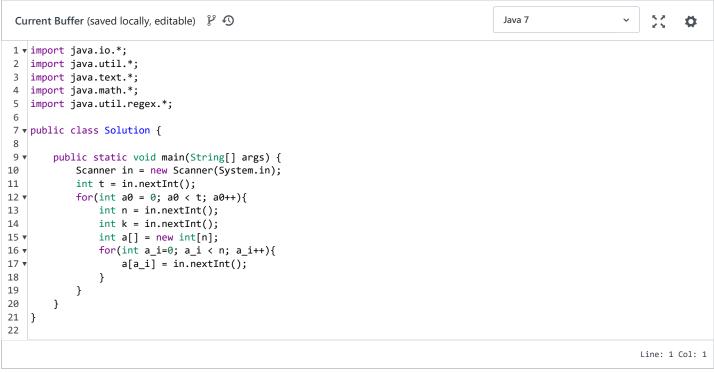
Explanation

For the first test case, K = 3. The professor wants at least 3 students in attendance, but only 2 have arrived on time (-3 and -1). Thus, the class is canceled.

15/11/2017 HackerRank

For the second test case, K = 2. The professor wants at least 2 students in attendance, and there are 2 who have arrived on time (0 and -1). Thus, the class is *not* canceled.





<u>**1**</u> <u>Upload Code as File</u> Test against custom input

Run Code S

Submit Code

Join us on IRC at #hackerrank on freenode for hugs or bugs.

Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature