Next Round

"Contestant who earns a score equal to or greater than the *k*-th place finisher's score will advance to the next round, as long as the contestant earns a positive score..." — an excerpt from contest rules.

A total of *n* participants took part in the contest (*n* ≥ *k*), and you already know their scores. Calculate how many participants will advance to the next round.

**Input**

The first line of the input contains two integers *n* and *k* (1 ≤ *k* ≤ *n* ≤ 50) separated by a single space.

The second line contains *n* space-separated integers *a*1, *a*2, ..., *an* (0 ≤ *ai* ≤ 100), where *ai* is the score earned by the participant who got the *i*-th place. The given sequence is non-increasing (that is, for all *i* from 1 to *n* - 1 the following condition is fulfilled: *ai* ≥ *ai*+ 1).

**Output**

Output the number of participants who advance to the next round.

**\*\*\*Examples\*\*\***

**input**

8 5  
10 9 8 7 7 7 5 5

**output**

6

**input**

4 2  
0 0 0 0

**output**

03

**Note**

In the first example the participant on the 5th place earned 7 points. As the participant on the 6th place also earned 7 points, there are 6 advancers.

In the second example nobody got a positive score.