Problem F – Fair Prize

John is at the fair and has finally won a prize in the marble game. In the prize selection, there are n different prizes arranged in a row, each of the n prizes has a label v_i ($1 \leq i \leq N$) that represents the value of the prize. John has scored p points in the marble game, and, according to the marble game rules, he can select a prize that has a value less than or equal to p.

Given the values of the n prizes, can you help John select the prize with the highest value that he can choose?

Input

The first line of input contains two integer numbers separated by a space, n ($1 \leq n \leq 1000$) and p ($1 \leq p \leq 1000$), representing the number of prizes in the marble game and the amount of points John scored in the game, respectively.

The second and last line of input contains n integer numbers separated by a space, where the i-th number represents the value v_i ($1 \leq v_i \leq 1000$) of the i-th prize.

Output

Output a line with a single integer number, the value of the prize with the highest value that John can choose.

Sample input 1	**Sample output 1**
`5 10` `4 2 4 3 9`	`9`

Sample input 2	**Sample output 2**
`1 10` `10`	`10`

Sample input 3	**Sample output 3**
`3 6` `6 2 4`	`6`