Cheapest expensive Christmas tree

Christmas trees are sold on the Christmas market.

Write a program that gives the cheapest tree among the trees that cost more than K HUF.

Input

The first line of the *standard input* contains the count of trees ($1 \leq N \leq 100$) and a price ($1 \leq K \leq 10\,000$). The next N lines each contain the price of a tress ($1 \leq T \leq 10\,000$).

Output

The first line of the *standard output* should contain the index and price of the cheapest tree among the trees that cost more than K HUF. If there is more than one solution, the output should be the one with the smallest index. If there are no tree that are more expensive than K HUF, then the output should be -1.

Example

Input	*Output*
6 5000 2500 5300 1900 2400 8800 5300	2 5300

Limits

Time limit: 0.1 second

Memory limit: 32 MB

Evaluation: In 40% of tests, the count of data is ≤ 20