

Longest warm period

We have the daily midday temperature measurements from the previous N days.

Write a program that gives the longest period of days when the temperature was always above K degrees.

Input

The first line of the *standard input* contains the count of days ($1 \leq N \leq 100$), and a temperature ($-20 \leq K \leq 50$). The next N lines contain the temperatures of each day ($-20 \leq T_i \leq 50$).

Output

The first line of the *standard output* should contain the beginning and end of the longest period of days when the temperature was always above K degrees. If there is no such period, the output should be “none” (if “none” does not seem to work, try the Hungarian word “nincs”). If there is more than one solution, give the first.

Example

<i>Input</i>	<i>Output</i>
7 30	4 6
25	
36	
29	
33	
34	
36	
30	

Limits

Time limit: 0.1 second

Memory limit: 32 MB

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