

TSSPC Contest 1 P4 - Halloween Spooking

Time Limit: 3.0s **Memory Limit:** 64M
PyPy 3: 150M

It's Halloween again! Little **sankeeth_ganeswaran** goes scaring people in his neighbourhood. Each neighbour he visits has a certain amount of Trehalose (noise tolerance). Some neighbours are easily scared and some are quite fearless! This is very sad for **sankeeth_ganeswaran** whose voice can only scream M Trehalose. There are N houses numbered 1 to N . Each house h_i has a Trehalose tolerance of m_i . Output the largest range of houses **sankeeth_ganeswaran** can spook in a consecutive row.

Input Specification

The first line contains an integer N , the number of houses followed by M , the amount of Trehalose **sankeeth_ganeswaran** can scream.

The next N lines will contain the integer m_i the neighbour's Trehalose tolerance.

Output Specification

On one line, print the integers a and b denoting the range of the most consecutive houses Sankeeth can scare (inclusive).

If there is more than one solution, output the first occurrence.

Constraints

For all subtasks:

$$1 \leq N \leq 1\,000\,000$$

$$1 \leq M \leq 10\,000$$

$$1 \leq m_i \leq M$$

Subtask 1 [10%]

$$N \leq 10$$

Subtask 2 [20%]

$$N \leq 1\,000$$

Subtask 3 [70%]

No further constraints.

Sample Input

```
5 1000
700
300
200
10
850
```

Sample Output

```
2 4
```

Sample Explanation

Starting at house 2 ending at house 4, Sankeeth screams at 3 neighbours using $300 + 200 + 10$ trehalose.