

The first line contains two numbers: N and X . The next line contains N natural numbers not exceeding 10000.

In the output stream, print the boundaries of the segment of the input array whose sum of elements is X (the indices in the array are numbered from 1). If there are several such segments, print any of them. If there is no such segment, print «1 0».

It is known that $1 \leq N \leq 10^5$.

Sample input 1:

7 13
3 1 5 6 2 8 7

Sample output 1:

3 5

Sample input 2:

7 18
3 1 5 6 2 8 7

Sample output 2:

1 0

Sample input 3:

10 1
1 2 3 4 5 6 7 8 9 10

Sample output 3:

1 1

Sample input 4:

10 3
1 2 3 4 5 6 7 8 9 10

Sample output 4:

1 2