



CSES Problem Set

Sum of Two Values

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Time limit: 1.00 s **Memory limit:** 512 MB

You are given an array of n integers, and your task is to find two values (at distinct positions) whose sum is x .

Input

The first input line has two integers n and x : the array size and the target sum.

The second line has n integers a_1, a_2, \dots, a_n : the array values.

Output

Print two integers: the positions of the values. If there are several solutions, you may print any of them. If there are no solutions, print IMPOSSIBLE.

Constraints

- $1 \leq n \leq 2 \cdot 10^5$
- $1 \leq x, a_i \leq 10^9$

Example

Input:

4 8
2 7 5 1

Output:

2 4

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[Sum of Two Values](#)

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Your submissions