CSES   anugoyal998 — ◑ ⏻

CSES Problem Set

Sum of Three Values

TASK │ SUBMIT │ RESULTS │ STATISTICS

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

You are given an array of n integers, and your task is to find three 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 $a_1, a_2, \ldots, a_n$: the array values.

Output

Print three 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

- $1 \leq n \leq 5000$
- $1 \leq x, a_i \leq 10^9$

Example

Input:
```
4 8
2 7 5 1
```

Output:
```
1 3 4
```

Your submissions