Problem U. Harmony

Time limit   2000 ms
Mem limit   1048576 kB

Problem Statement

We have two distinct integers A and B.

Print the integer K such that $|A - K| = |B - K|$.

If such an integer does not exist, print `IMPOSSIBLE` instead.

Constraints

- All values in input are integers.
- $0 \leq A,\ B \leq 10^9$
- A and B are distinct.

Input

Input is given from Standard Input in the following format:

```
A  B
```

Output

Print the integer K satisfying the condition.

If such an integer does not exist, print `IMPOSSIBLE` instead.

Sample 1

Input	Output
2 16	9

$|2 - 9| = 7$ and $|16 - 9| = 7$, so 9 satisfies the condition.

Sample 2

Input	Output
0 3	IMPOSSIBLE

No integer satisfies the condition.

Sample 3

Input	Output
998244353 99824435	549034394