## Problem C: Sums

Given an integer $N$, express it as the sum of at least two consecutive positive integers. For example:

- $10=1+2+3+4$
- $24=7+8+9$

If there are multiple solutions, output the one with the smallest possible number of summands.

## Input

The first line of input contains the number of test cases $T$. The descriptions of the test cases follow:

Each test case consists of one line containing an integer $N\left(1 \leqslant N \leqslant 10^{9}\right)$.

## Output

For each test case, output a single line containing the equation in the format:
$\mathrm{N}=\mathrm{a}+(\mathrm{a}+1)+\ldots+\mathrm{b}$
as in the example. If there is no solution, output a single word IMPOSSIBLE instead.

## Example

| For an example input | the correct answer is: |
| :--- | :--- |
|  |  |
| 3 |  |
| 8 |  |
| 10 | IMPOSSIBLE <br> $10=1+2+3+4$ <br> 24 |

