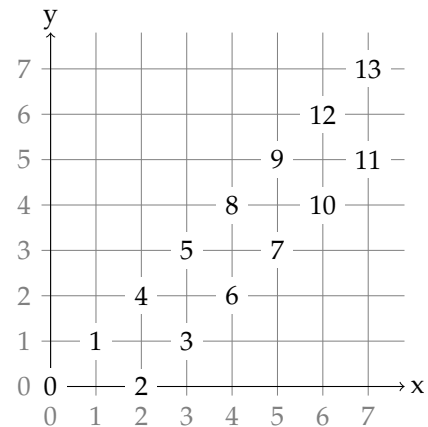# Silly walk

Mouse Timon has invented a walk with a crazy step pattern. Mouse Stofl is extremely impressed by it. To the right you can see the position of the steps from Timon in the plane. He starts with step 0 at point $(0, 0)$, continues with step 1 at point $(1, 1)$, then step 2 at point $(2, 0)$ and so on. Timon is so proud of the walk that he will continue it to infinity (in the picture only the first few steps are shown).

Stofl wants to figure out whether Timon arrives at point (x, y) and if yes which at which step.

Input

The only line contains two numbers x and y, the coordinates of the point (x, y).

Output

Write the step number of the given point or write "Never" if Timon never walks on that point.

Limits

- Subtask 1: $0 \leq x, y \leq 4$.
- Subtask 2: $0 \leq x, y \leq 100$.
- Subtask 3: $0 \leq x, y \leq 10\,000$.
- Subtask 4: $0 \leq x, y \leq 10^9$.
- Subtask 5: $0 \leq x, y \leq 10^{18}$.

Samples

Input	Output
4 2	6

Input	Output
6 6	12

Input	Output
3 4	Never