

Problem 9 : Pyramid building

Statement

It was said that humans were brought to the brink of extinction at the hands of titans "almost overnight." In response to this, the survivors made huge **Walls** to protect **their** last stronghold, but also aimed to keep the people from knowing about the outer world.

Long time ago, the king **Karl Fritz** created millions of colossal titans and united all of them to build the walls in the name of his three daughters Sina ,Rose and Maria.

While they were constructing the walls, they needed to build huge stairs up to the top of a pole, the stairs are on both sides of this vertical pole, given the number N of bricks that are on top (root), and the number M of all bricks needed to build both stairs, We want to check if the first stair of each side and the root forms a pyramid.

Input

The number of all bricks M.

The number of the bricks of the root N.

Output

Boolean.

Example

Input	Output
18 2	true

