

2543. Check if Point Is Reachable

Description

There exists an infinitely large grid. You are currently at point `(1, 1)`, and you need to reach the point `(targetX, targetY)` using a finite number of steps.

In one **step**, you can move from point `(x, y)` to any one of the following points:

- `(x, y - x)`
- `(x - y, y)`
- `(2 * x, y)`
- `(x, 2 * y)`

Given two integers `targetX` and `targetY` representing the X-coordinate and Y-coordinate of your final position, return `true` *if you can reach the point from `(1, 1)` using some number of steps, and* `false` *otherwise*.

Example 1:

Input: `targetX = 6, targetY = 9`

Output: `false`

Explanation: It is impossible to reach (6,9) from (1,1) using any sequence of moves, so false is returned.

Example 2:

Input: `targetX = 4, targetY = 7`

Output: `true`

Explanation: You can follow the path `(1,1) -> (1,2) -> (1,4) -> (1,8) -> (1,7) -> (2,7) -> (4,7)`.

Constraints:

- `1 <= targetX, targetY <= 109`

