

2849. Determine if a Cell Is Reachable at a Given Time

Description

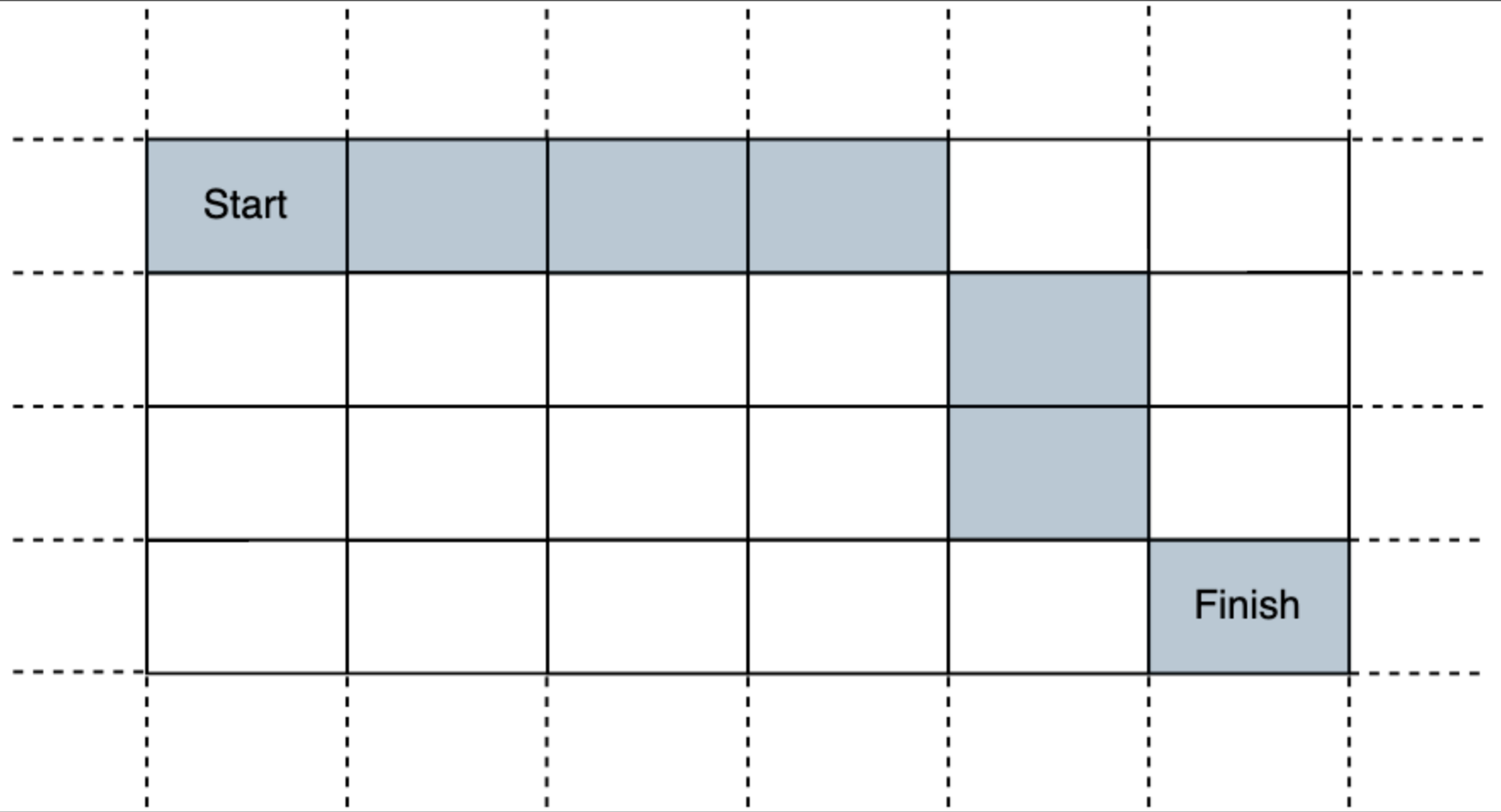
You are given four integers `sx` , `sy` , `fx` , `fy` , and a **non-negative** integer `t` .

In an infinite 2D grid, you start at the cell `(sx, sy)` . Each second, you **must** move to any of its adjacent cells.

Return `true` *if you can reach cell `(fx, fy)` after exactly `t` seconds* , or `false` *otherwise* .

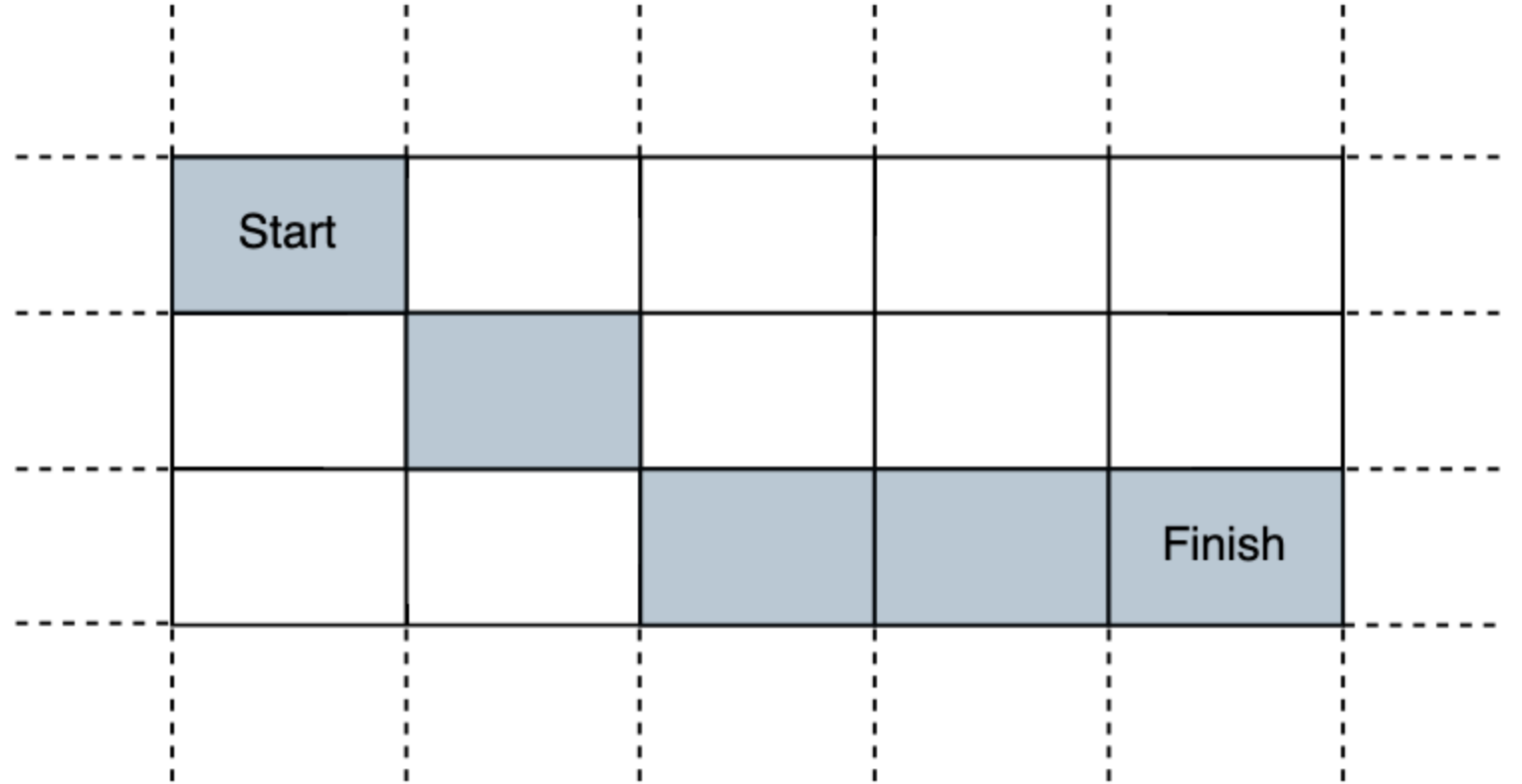
A cell's **adjacent cells** are the 8 cells around it that share at least one corner with it. You can visit the same cell several times.

Example 1:



Input: `sx = 2, sy = 4, fx = 7, fy = 7, t = 6`
Output: `true`
Explanation: Starting at cell (2, 4), we can reach cell (7, 7) in exactly 6 seconds by going through the cells depicted in the picture above.

Example 2:



Input: `sx = 3, sy = 1, fx = 7, fy = 3, t = 3`
Output: `false`
Explanation: Starting at cell (3, 1), it takes at least 4 seconds to reach cell (7, 3) by going through the cells depicted in the picture above. Hence, we cannot reach cell (7, 3) at the third second.

Constraints:

- `1 <= sx, sy, fx, fy <= 109`
- `0 <= t <= 109`

