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

Hint

Medium 243 270

Companies

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.

Code

```
class Solution {
    func isReachableAtTime(_ sx: Int, _ sy: Int, _ fx: Int, _ fy: Int, _ t: Int) -> Bool {
        let a = abs(fx-sx)
        let b = abs(fy-sy)
        if(a == 0 && b == 0 && t == 1) {
            return false
        }
        let c = max(a,b)
        return t >= c
    }
}
```