





## Determine

## a Cell is Reachable

at a siven time

Facebook 7 -> code storywith MIK
Twitter -> cswith MIK



-> codestory with MIK

Company: - will update soon ...

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



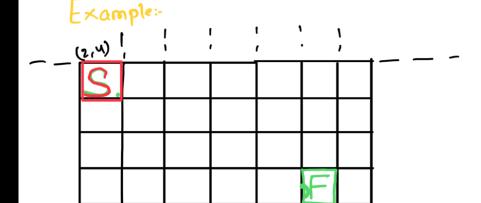


You are given four integers sx, sy, fx, fy, and a non-negative integer t

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.



$$S_x = 2$$
,  $S_y = 4$ 

Bruk Force =

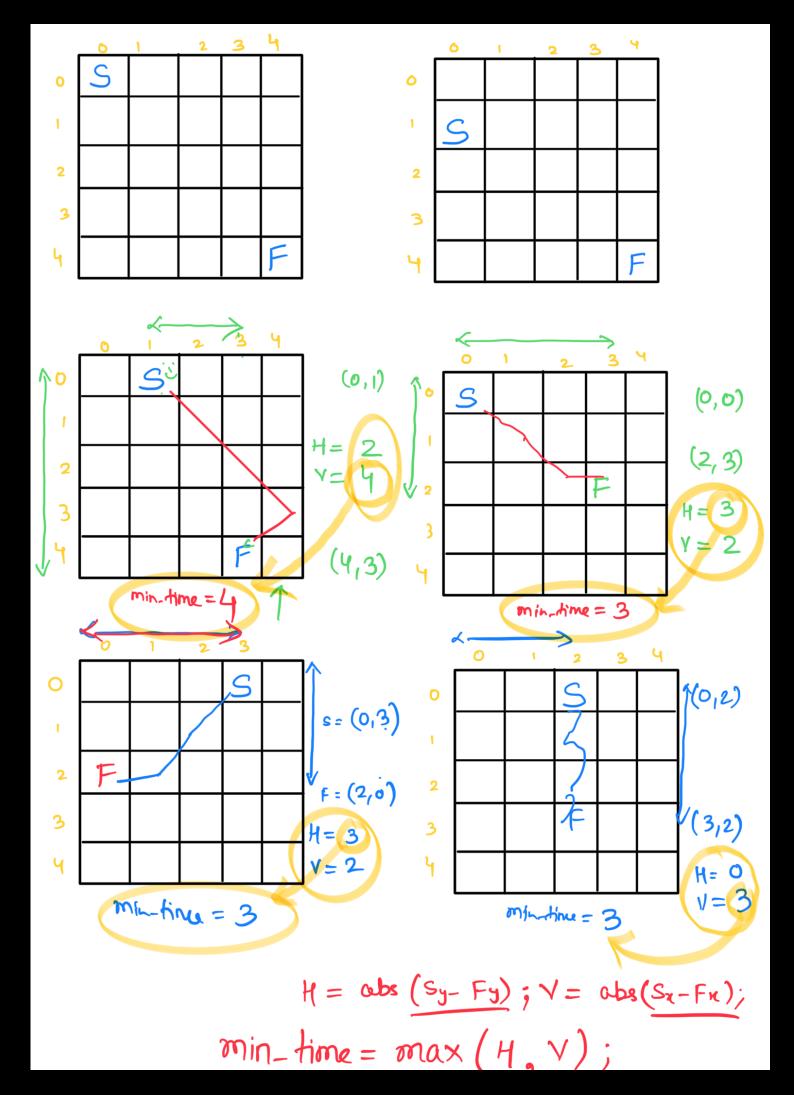
DFS(Sx, Sy, Fx, Fy, +) { Simply DFS/BFS

$$il(t==0)$$

$$\int_{Y} \left( S_{x} = F_{x} \text{ & & } S_{y} = F_{y} \right) \left[ \int_{Y} u_{x} \right],$$



DFS 
$$(S_{x+0}, S_{y+1}, F_{x}, F_{y}, \pm -1);$$
DFS  $(S_{x-1}, S_{y})$ 
DFJ  $(S_{x+1}, S_{y})$ 
 $(S_{x}, S_{y-1})$ 



(t < min-time) falle.

(t >= onn+) Tour

(H == 0 & & V == 0 & & t == 1)

Faun

min-time = max (H, V);

Faun

(f) (f < onin\_time) sect Fale.

Tow;

75 1F

