Unique Paths I They idea (DP with obstacles): fet ways [i] Gi T be the number of paths to cell (i,j) from (0,0) moving only right about and never styping on a 1. "If stracte guid [i] (j] == 1, then ways [i] (j) = 0 (con't stand here).
"Else, ways [i] (j) = ways [i-1] (j) + ways [i] (j-1] (f) om top + f) on left · If the start is blocked (Stack Grid (0)(0) ==1) on the end is blocked commer is o. . Otherwise, ways (0] Co7=1. [space-optimized (118 BP): 1 Use 1Darray of GI that represents ways for the current you:
Initialize of COI = 1 of the start cell is not an obstacle; otherwise o · Koreech now i: For each whem j from left to right: If strack guid [i][j] ==1:

set of J=0 (you connot land how)

Else update olp 47+= olp 5-17 if j'>0 (add warys from the left).

· (Note: of Gt already holds the ways from above)

Vais works because:

of GI before the update - ways from above.

of G-17-ways from left in the current row.

Fetting to on strack kills any paths landing on that cell.