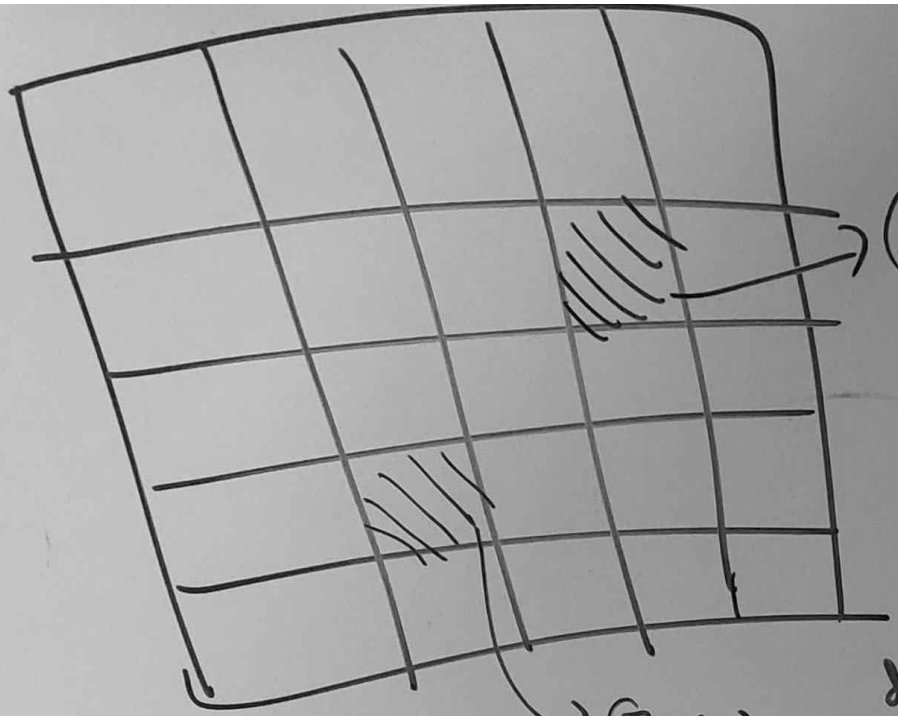

$(r_1 + c_1 = r_2 + c_2)$

$r_1 + c_1 - c_2 = r_2$

$r_1 + c_1 - r_2 = c_2$

Cherrypick = grid[r_1][c_1] == -1 ? -inf : grid[i][j]

+

grid[r_2][c_2] == -1 ? -inf : grid[i][j]

doing this makes any cell which is blocked. have.

(dp[r_1][c_1][r_2] == -inf)

if any of the (r_1, c_1) → (r_2, c_2) is blocked.

dp[r_1][c_1][r_2] → 4 options.

both from top.

1st option → dp[r_1 - 1][c_1][r_2 - 1]

both from left

2nd option → dp[r_1][c_1 - 1][r_2]

3rd option → top, left

dp[r_1][c_1][r_2] = dp[r_1 - 1][c_1][r_2]

4th option → left, top

dp[r_1][c_1][r_2] = dp[r_1][c_1 - 1][r_2 - 1]