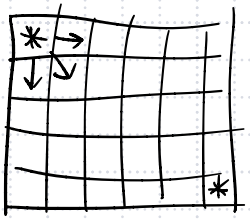
ALG - 16/10/23

MAT $m \times n$ $\forall i,j$ C_{ij} = COSTO PER SPOSTARSI DA (i,j) A UNA VICINA VERSO DX O BASSO O DIAG.

SI PARTE DA $(1,1)$, TROVA COSTO MINIMO PER (m,n)



C. B. $i = j = 1$ $S_{ij} = 0$

$i = 1 \; j > 1$ $S_{ij} = f(i, j-1) + C_{i,j-1}$

$i > 1 \; j = 1$ $S_{ij} = f(i-1, j) + C_{i-1,j}$

P. R. $i > 1 \wedge j > 1$ $S_{ij} =$

$\min (OPT((i-1, j) + C_{j,\cdot}$

$OPT(i, j-1) + C_{i,j-1}$

$OPT(i-1, j-1) + C_{i-1,j-1})$

$M[1,1] = 0$

FOR $j = 2$ TO m

$M[1, j] = C[1, j-1] + M[1, j-1]$

FOR $i = 2$ TO m

$M[i, 1] = C[i-1] + M[i-1, 1]$

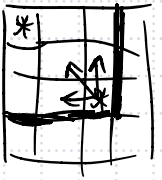
FOR $i = 2$ TO n

FOR $j = 2$ TO m

$M[i,j] = \min (M[i-1, j) + C_{i-1,j}$

$M[i, j-1] + C_{i, j-1}$

$M[i-1, j-1] + C_{i-1, j-1})$



RISALGO DA (i,j)
→ SOTTO PROBLEMA