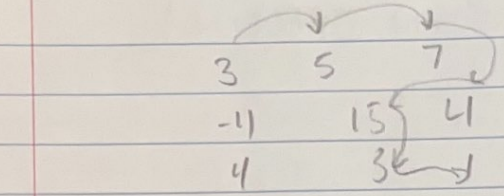

$3 \to 5 \to 7 \to 4 \to 15 \to 3 \to 1$
$= 38$

L = NULL, NULL, NULL
-1, 23, 27
34, 37, 38

R = NULL, NULL, NULL
30, 34, 19
41, 37, 20

A = 3, 8, 15
30, 34, 27
41, 37, 38 ← we get 38

$L[i,j] = \max(A[i-1,j], L[i,j-1]) + v[i,j]$

$R[i,j] = \max(A[i-1,j], R[i,j+1]) + v[i,j]$

$A[i,j] = \max(A[i-1,j], L[i,j-1], R[i,j+1]) + v[i,j]$