## Pseudocode

op-LNCi) = N[i]+ mn (aptN(i-1) (m+ opts(i-1))) opt S(i)= 5 [P]+ mn (opt(i-1) (m+optN(i-1)))

Return min (aptN(n) aptS(n))

## Complexity:

The o(n) there the works as complexity until a single for loop will perform as much iterations as the number of elements of anys

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2

1-Sort the seasons array their finishing time
2-Select the first activity four the sated array and print
3-Do following for remaining activities in the sorted array
if the start time of season is greater than or equal
to finish time of prevoidy selected activity than select
this activity and print it.

may not be sorted. It takes out time when sorted sorted mput activities are always

A) = Initialize first row and first column to be 0.

→ The scare of the best local alignment is the largest value in the entire oray.

→ To And the actual local alignment

\* Start of an entry with the maximum scare

\* traceback as usual

\* stop when we reach an entry with a scare of 0

There are two loops so Thre Complexity is O(1)

1

(5)

\* Firstly find two minimum elements in orray and add them

\* Insert the sum of this two elements

\* Delete these two element from list

\* Do this ontil there are one element, then

return it, it will be the result.

Time Complexity is Foln2)