Dynamic Programming

Four steps to success

- 1. Identify recursive solution worklapped subproblems
- 2. Use memoization (cache usult for reuse)
- 3. Use iteration instead of recursion
- 4. Reduce cache size

(Ex Fébonaeci calculation (nth number in sequence)

(Ex "How many calculation

Element 12358

dum 14

V

answer + 1 5 8

1238

2228

112255

efe

Recurrice Solution

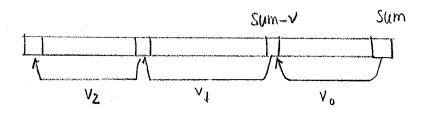
N= Min / # (Sum-1), # (Sum-2), # (Sum-3), tot of overlap # (Sum-51, # (Sum-8) }

Add code for printing solution: link, map & show

VI: Sequence of clement used

V2: Vocant away 0 (N2)

V3: Vocant mays O(NGN)



link = current sum - value of "coin"

Value of "coin" = current sum - link