

Pseudocode:

int Fib (int m, vector <int > R dp) of

Bale if(n<=1)

fretum n;

Checking if (dptn) /= -1)

in I DAway

return apting;

value present 4

recurrence (n-1, dp) + F(b(n-2, dp); return Aptri) return.

Time Complexity (O'(N)

Space complexity; O(N) + O(N) = O(N)

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2) Bottom Approach : Tapulation

Pseudocodor

Fib (n) int main ()

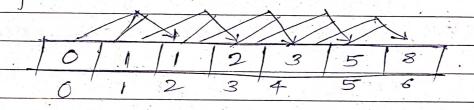
dp[n+1]

dp[0]=0

For(int i = 2; ix = n; i++)

ap [i] = ap [i-1] + ap [i-2)

return # dpcnj;



Time complexity = O(N)

(Space complexity = O(N))

