Those who cannot enember the fast are codemned to

2) Habilation (Bostom UP SP) (30esist Aways means Memoiration > Habitation (Ly7c
SC TC Sc Optimise final soln

Em - Recursion Flaylist

1123581321...

g(n) = f(n-1)+ f(n-2) J(2)

J(2)

J(2)

J(3)

J(1)

J(1)

J(1)

J(1)

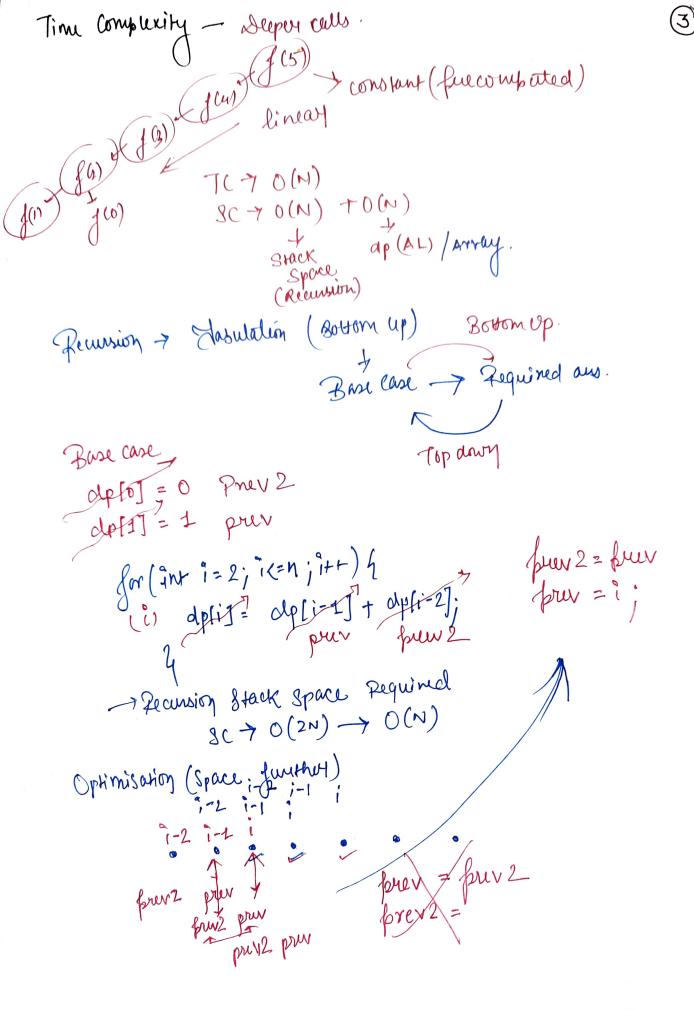
J(1)

J(1)

J(1)

Onulapping Suspino sems: - Whenever we encounter already

value of suspiciones Fednique of stitung MEMOIZATION n+1 in map/table. dp, fibo [-0|-1|-1|-1|-1 1. Declare dp[n+1] g(n) h
34 (n < 1) if (dp[n]!=-1) return dp [n]; metwen f(n-1) + f(n-2); (2) RECURSION -> DP. In Intuition you mont be actioned to use glosal ventables. CODE: f(int n, AL(Integur) ap) h -> 0 y (1<=1) return n; iy (dp[n]]=0-1) return dp[n]; → 2 Heturn dp[n] = f(n-1, dp) + f(n-2, dp); main() \ int n; n=5; ArrayList(Integui) dp (n+1,-1)
8ile value fiy. sout (f(#n,dp));



```
int n=4;
 "int free 2 = 0; int free 2 = 0;
 int pred=1; in prev=1;
 for (int i=2; i =n; i++) h
      intawy I = preve + prev2
          frer = ouryI; amays a space optimisation.
      0/P= 5
Recursion - Jubilation ( Bottom UP)
         Base care - y Away Required
    dp[n+1]
     apros = D
      dp[17 = 1
        for ( jut i = 2; " ( N:; i++)
               april = apri-+ t aprite];
                       10 = 0 (N)
                       SC-0(N)
```

0(1)

Tundensieur and purchem.

Count the total no of ways.

Juy ay possible ways

best count.

Shoutcut thick

1. Any to represent formers

of on mark.

2. so ay bassible stuffs

on that index

5. find the best

g(n) or no. of ways to meach (0 or n) y (mam ==0) return L; of (inden) f(indix-1) J Linden - 2) y (index <= 1) meturn indek; 1-41 apt ruttur. inty yt = f(index - 1)ûnt right = f(index -2);

L3.

(î+1)/(î+2) briwmal eurqy.

index do all strings on index

12 12

ij (index = =0) return 0;

in lyt = f(index - 1) + f (abs(index