Byy and Sell Stocks IIL Part II > Infinite Transcation part III) 2 Transcation Cheore we core putting the bound & this we can relate to the knapsack where we are do bounding of owr bag capacity of (idx, 544, cap) 2 (initially) if (cqp == 0) retion 0;
if (idX == n) return 0) y money goes into movelees if (644) - prices [idn] + f(idx+1, 0, cap); 0 + f(idx+1, 2, cap) a money get from manycet reveror max / prices [idx] +f(idx+1, 4, cap-1); else

5000 SERIES



Memoization

SP[N)[2][3]

T.(. = O(N*2*3)S.(. = O(N*2*3) + O(N)

Tabulation

- 1 Base cases
- (3) Changing poorameters
- (3) copy paste recurance

1 Base eases

(i) cap = 0 that means idx & Dyy can be any thing

for (idx = 0 to xt-1)

for (suy o tos)
2 r[ids] [54y] [0] = 0

(ii) idx=A tem byy & cap can be anything
for (by=0 to t)
for (ap =0 +2)

dr[n] [by] = 0)

(2) Changing poorameters

i -) n-1 to 0

by 3- 0 to 1

cap -) 0 to 2

3 copy past & recordance

(1) seriors 21° (0] (1) [2];

other Sol 285NEU), 2 transation f(idx, transation) g(idx = m/l transation) f(idx = m/l transation) = y f(idx = m/l transation) f(idx =

else the orange of flow the frances (id A) to flow drangers)

else //sel1 max } prices (sdx) + of (idx+1, + rqns+1);

if (idx+1, + rqns)i SPEN/KY)