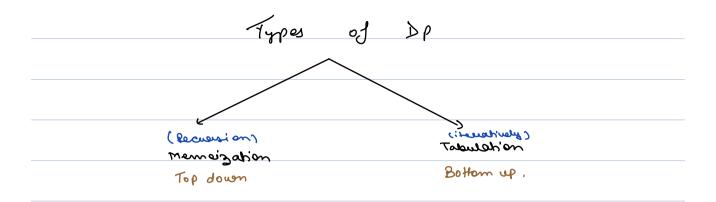
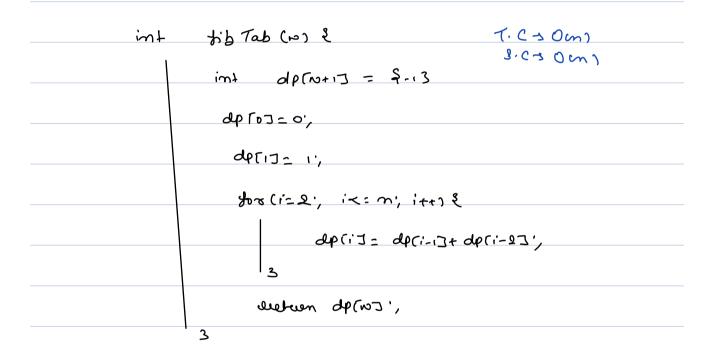
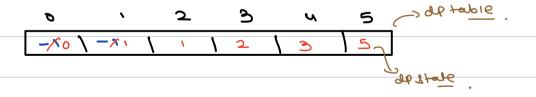
	tho cle	Interviews ~
-		La sas clare of BLA
		> Lost class of DSA
		- > 30dd

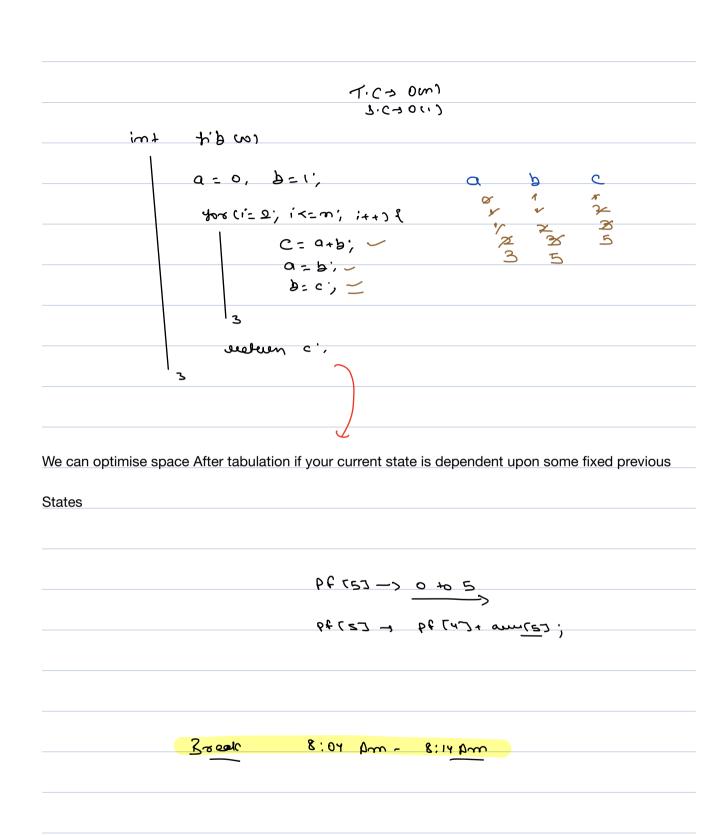
yace (5) fact (u) Conditions for dp (E) 400 B ·) Overlapping subproblems. 2) offinal Jubstracture. Solving a Problem by Greating into graphopiens. DP -> Calculate all unique results once E1-3= E1+0796 +mi (as, n) dif ini En neuleu 3 (1=>m) bi [46,5-n) d'f x(46,1-n) d'b = [m96) 7; debuen de[m]; for N=5, $\frac{3}{3} \frac{3}{3} \frac{3}$

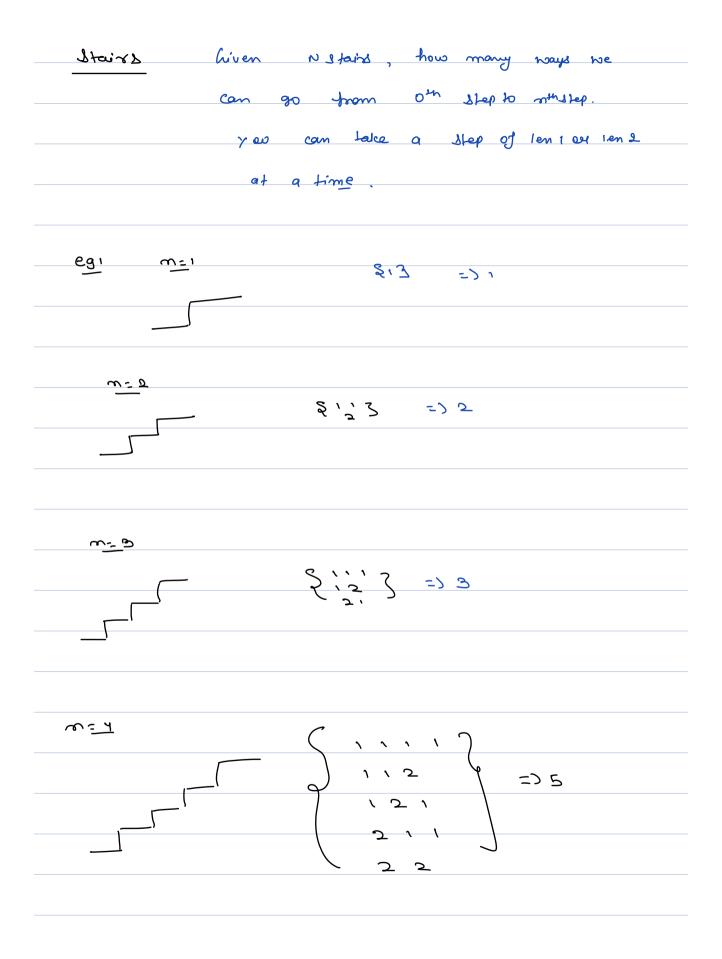


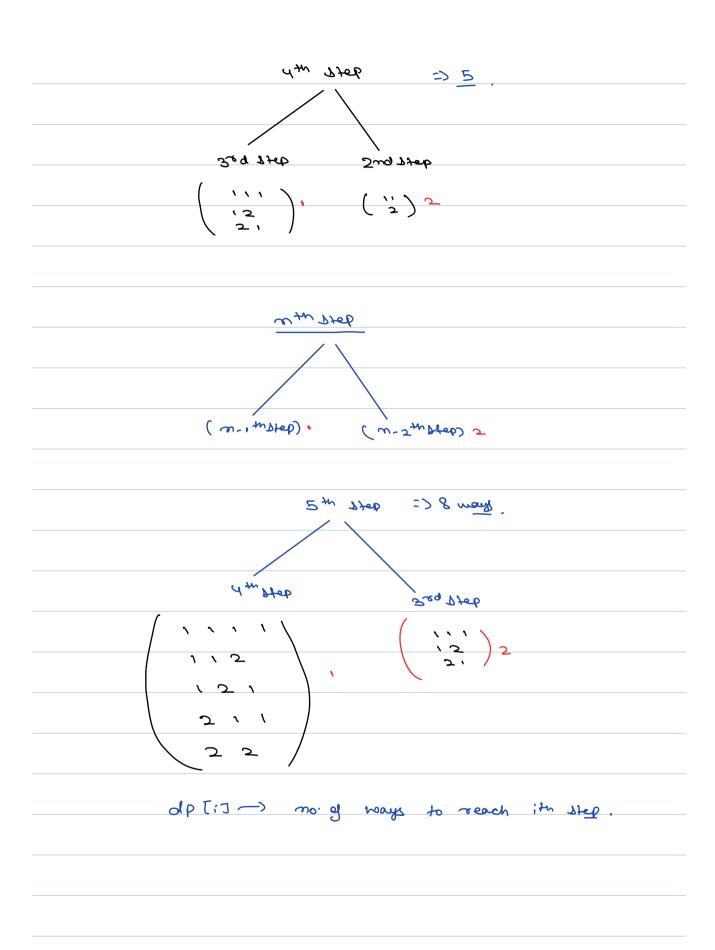




dp(i)] = dp(i-1)qb +[i-2]',







1 1 2 5 5 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	V	2	3	4	<u>s</u>			
$\frac{2}{12} \frac{2}{12} \frac{1}{12} \frac$	١	•	<u>ح</u>	2	5	8			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	•	•	(1	(1)					
2^{2} 2^{2			5	1	211	5111			
$\frac{2^{2}}{2^{2}}$ $\frac{2^{2}}{2$				12	121	(12)			
2 12 2 22 2 23 2 2						221			
= Cα39b = Cα39b Cα39b mentere						.			
delossi, delissi veren delos									
Carren decor									
		dı	75751,	dp[1]=1					
		, (ue kien	deens					
Space optimization,									
Space optimization,			7						
			Space	offimiza	hion,				

Find minimum number of perfect sqaures required to get sum = N.

Lo1, 4, 9, 16, 25, 36 · · .

N= & = 12112=> &	Greedy Idea
N: 8 = 18+18+18=> B	N= 50 - 12 = 1-12 = 0 => 2
N=4 = 8°=>1	
N=5 = 33+12=> 2	$N = 70 - 8^2 = 6 - 2^2 = 2 - 1^2 = 1 - 1^2 = 0$
N=6 = 29+19+18=>9	=> 4
N: 20 => 43+13	>> 3 paylect
	so vous

$$\frac{N=12}{12-8^2-8-1^2-2-1^2-0}$$

$$\frac{(2^2+2^2+2^2)}{2}$$

$$\frac{(2^2+2^2+2^2)}{2}$$

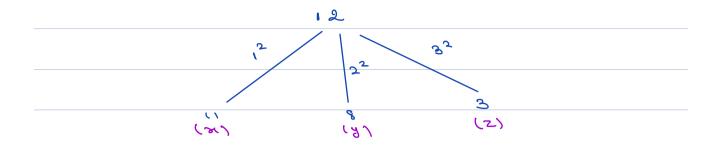
$$\frac{(2^2+2^2+2^2)}{2}$$

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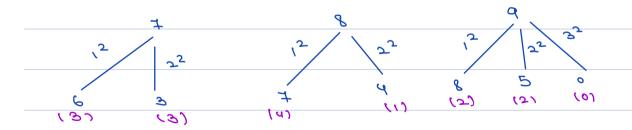
$$\frac{(2^2+2^2+2^2)}{2}$$

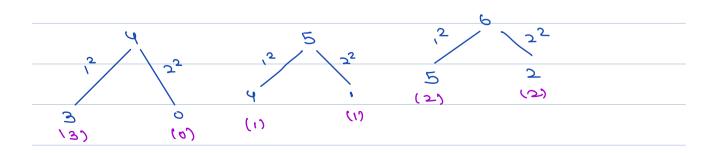


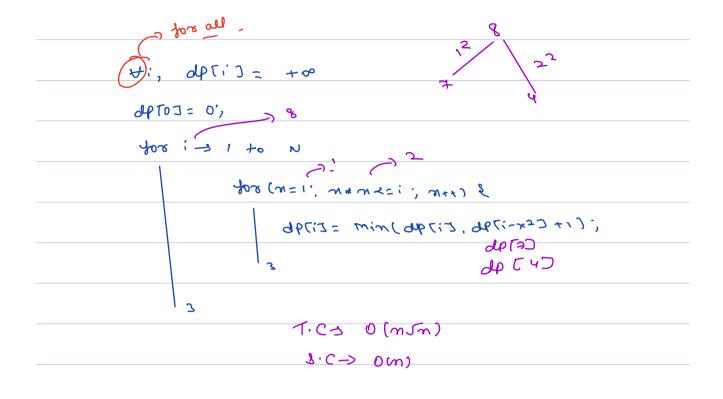
min(8, 4, 2) +1

dPTiJ = Min no. of feeyest squares to form i.

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0	1	Q	9	\	2	Ŋ	9	2	`	
	1,3	12-12	12412412	5-	22-15	224,2	25 15	25 55+	22	_
						1,2	1/5	1.5_		
						_	_	_		
			1			1	1	1	1	







Space optimisation is not possible since we can't determine a constant number of previous data for every index

