* Irobotant Cooling Question: Jush (stele) POP POP Stack/Array Coding Ovestion: TCS/Accentine/Capgemini NGE > Next Greater Element \$4,5,2,25} 7,4,9,2,6,13 1 2 3 7 9 0/P $4 \rightarrow 5$ $9 \rightarrow 93$ $2 \rightarrow 25$ $2 \rightarrow 13$ $4 \rightarrow 25$ $4 \rightarrow 25$ Recusion Dynamic Peoglamming Those who forget the fost are forced to "reflect it." -> Solving smaller ovalaffingsubproblems to make it easier to solve begger problems. -> DP Fibonacci & nth Teim (Raevesum Tree) f(1) f(2) f(2) f(3) 7 Bigger Filonacci & (5) 1 (2) +(1) -> overlapping subproblem When you do not adoutate the known values & let wen them disectly, it's alled Memoisation. Fyon Store the Bravious known values in a dp array se only islandate the unknown valued, it is alled Tabulation. dp(n+1) = 01-1-1-1-1 $for(\hat{i}=2i)$ m=6 el=n) (Tabulahon) renorm values el=n 2 to nThen we use an array, the space complexity of the code becomes O(n) for n elements & it is not memory officient. Therefore, if possible some variables to solve our broklems. When we use variables the code is the code of th the Space Complexity of the code becomes O(1) Destant

Te the code becomes more efficient and optimized. [More oftimized code = Higher Salary] 9 1 3 0,1,1,2,3,5,8,13,21,..... P2 plus 3 variables $p_{2} = 0$ $p_{1} = 1$ $p_{1} = 1$ $p_{2} = 0$ $p_{3} = 0$ $p_{4} = 0$ $p_{5} = 0$ $p_{7} = 0$ $p_{7} = 0$ $p_{7} = 0$ $p_{7} = 0$ constantp = 1 $w_{1} = 1 + 1$ (9595)