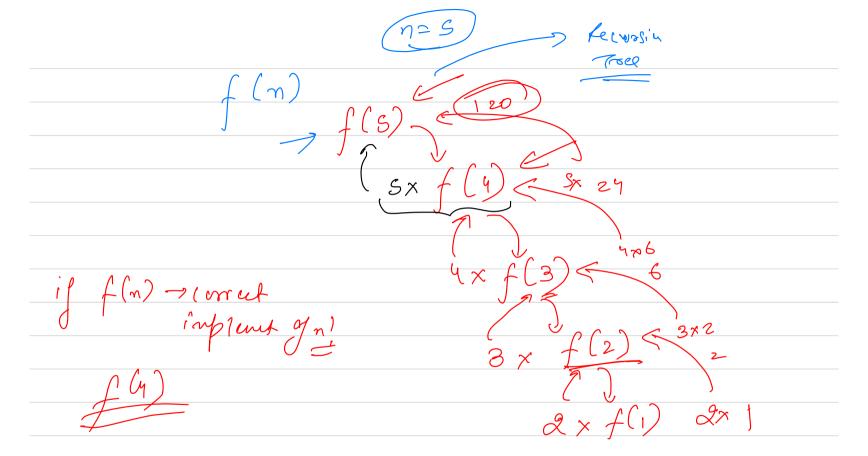
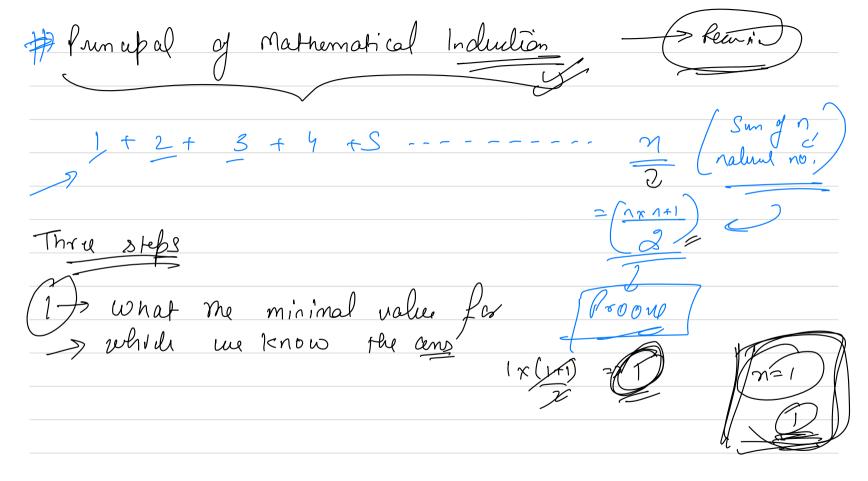


Recursion)

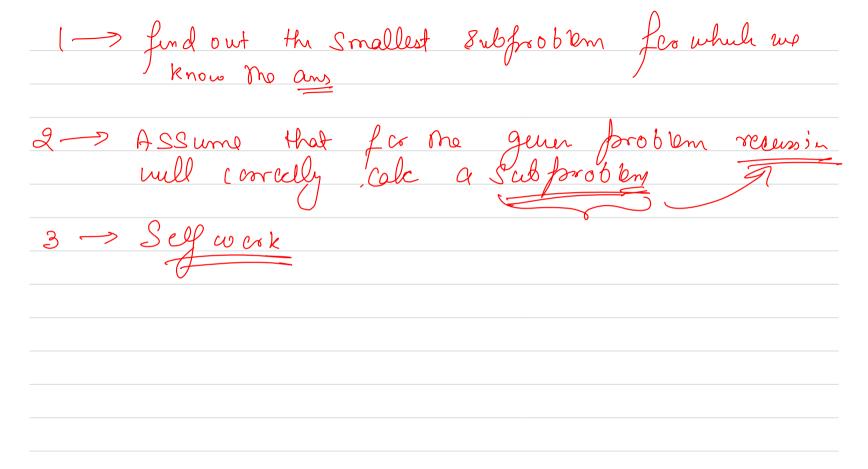
week Microcours >> Basics of Recus Agenda for Backhaching Basics Intermediate boobler solve

What is Recursion 8.8 → Mathimatical Defendion → It's a logical procedure, which is specified by a Sub procedure that yields values or instances of a function repeatedly by applying a generation Recursion is defend ruhen a femilian calls itself by opplying some subsoutine en me parameters keeping an entra space overhead: S1= Sx7! broke down bigger problem ->





the formula wasks for -> Assume Kx(kf), (A=Kfi) works for /K+1 3-> Produe Hrat Jeonula



 $\left(\int_{-\infty}^{\infty} (n^{2} - n \times f(n^{-1})) \right) \rightarrow \text{Reurience Relation}$ $)) = 1 \qquad f(1) = 1 \qquad (Base (ase)$ 2) = Calc f(n-i) -> Recursive assumption 3) Seywark veturn nxf(n-1)

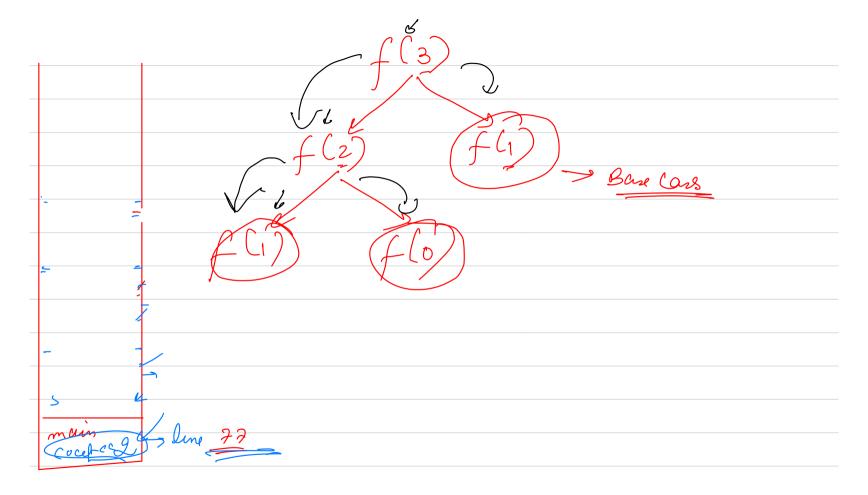
How memory is dishibuted for a process?? (big pool) Stack (Linear Stay) >> stack focus is somound Stack from Stack Stackoveflow

factorial Total operation None Space complexity is defend as the man space allocated of any point of time dury execution of me proces

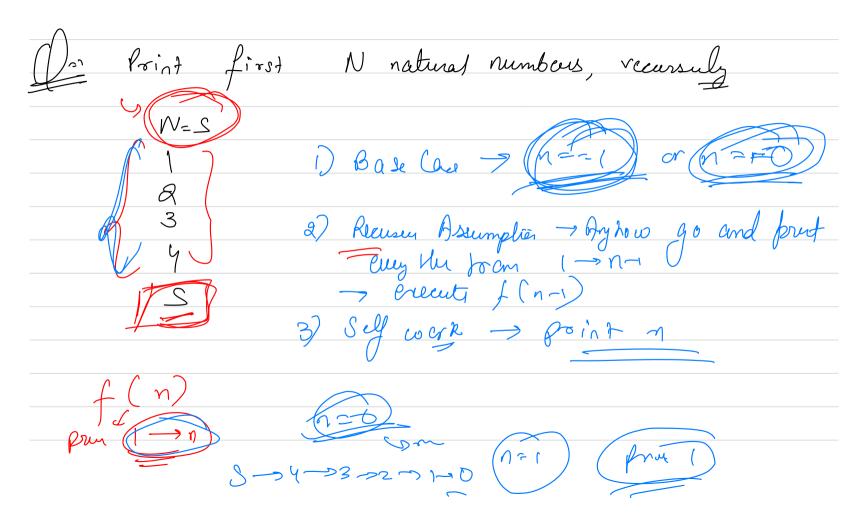
any its form is sum of focusions 2

6th 15th 2th 3th 5th 5th -0,1,1,2,3,5,8,13,--Wrile a recur profoan to ale or feb () 1) Base Case -> 0th fi6 == 0 &8 1 9 fle == 1 2) Recuseur entities => f (n) Depends on

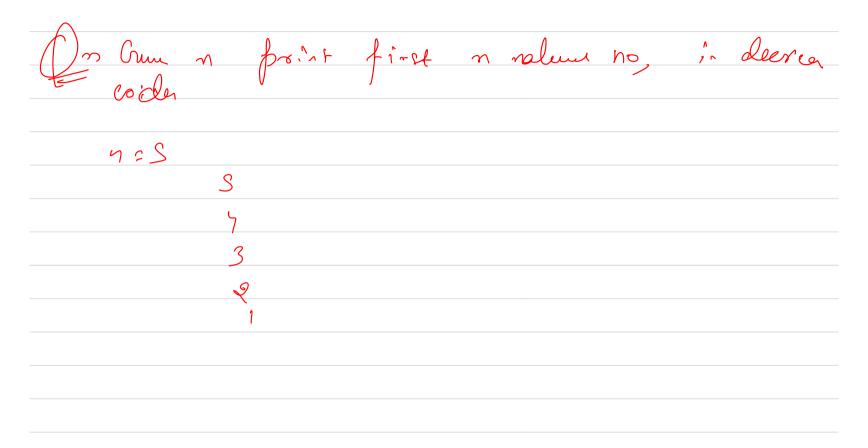
nom fibonair cale f(n-i) and f(n-2) 3) Self week = relvon f(n-1) + f (n-2) f(n?= f(n-1)+f(n-2)



(1) (1) (0)

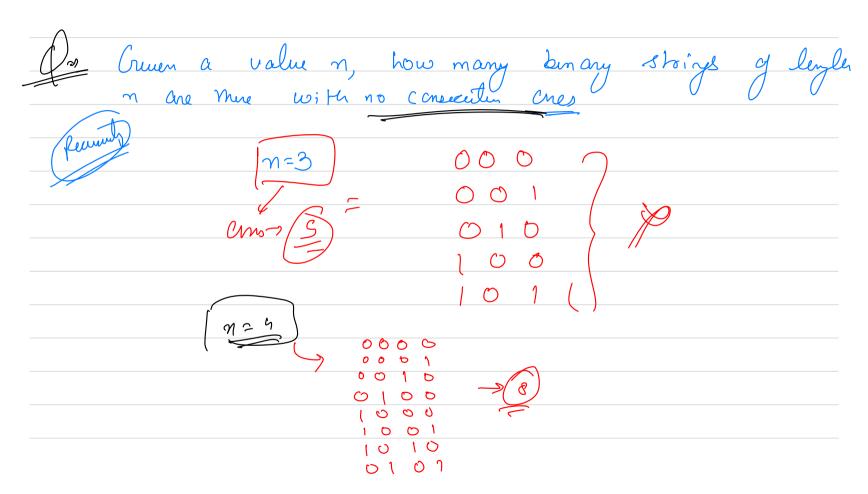


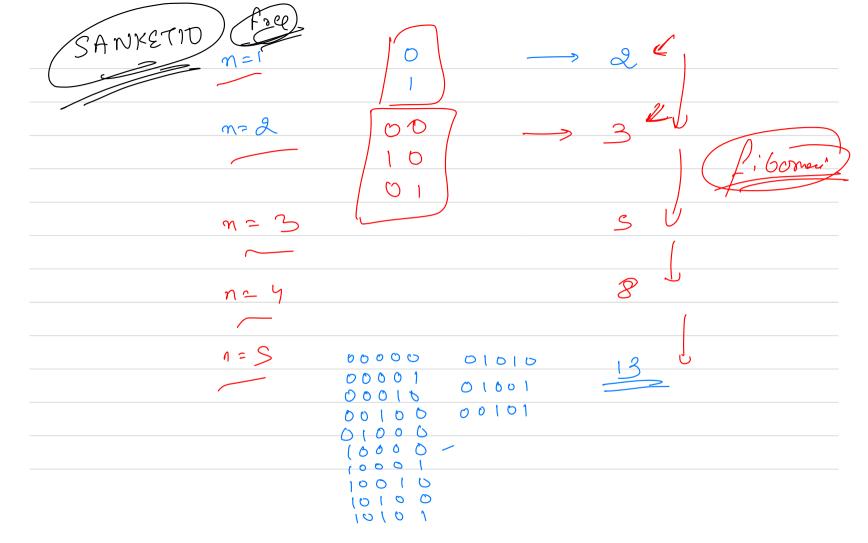
Jautecnecus f(n-1) main



Sigle occursion nes 2 2

Reaser assumption -> Go and fourt Selfwork -> print 1 before





f(n)=f(n-1) tf(n-21) 7=1 ->

