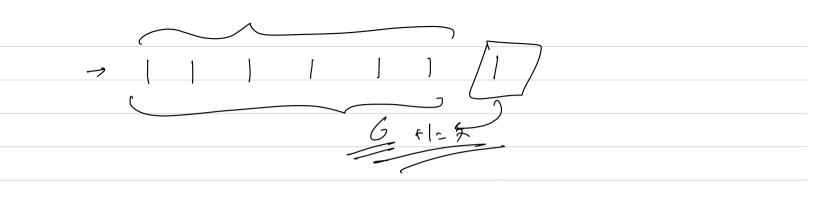
Lourse On Poc-repuisite Inro 100P Recursion Buckhairy - for loops, array/vedu Itasha Map

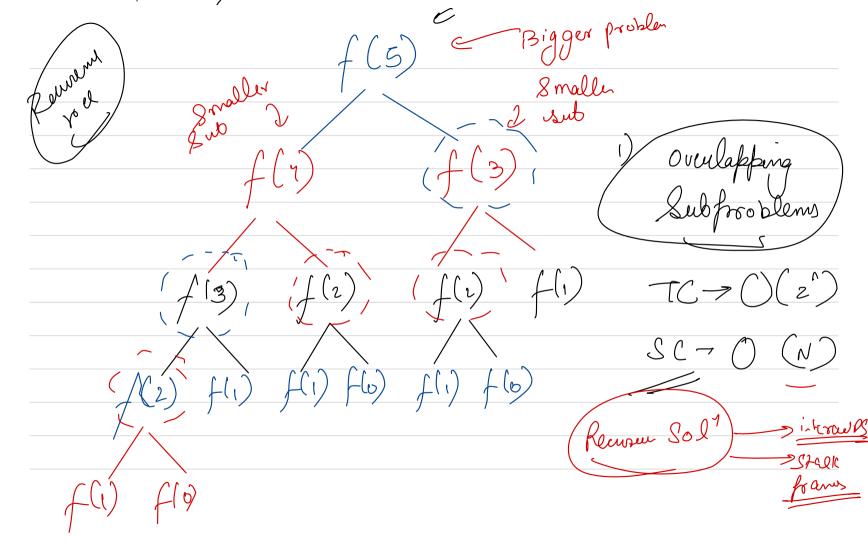
Intro to OP -> what , why , where States, subproblems mutual encluseur Je muted enhanse

Algaithms Brate Force
DNC Jyramic 100 gramming Ot is a paradigm of algorithms, that mainly helps to Optime, country/ minimization/manipilation for oblems



répeated computations - aptimies usery DP.

Tink din If we assum that returns Mutual Libonacii, Corredig



2) Optimal Substruction -> This is a property that States, for a given problem, if you can optimally Solve the Smaller Subproblems, and these Smaller Subposiblems contribute 20 Calculate Bigger froblem ofelinally

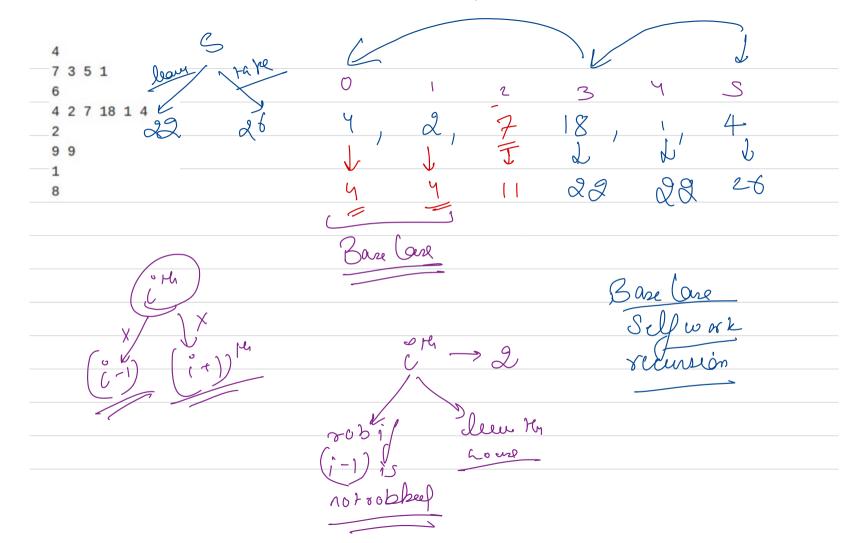
only can pute unique Subproblems trung state we need to see the parameters that unquely identify a lub foroblem i+ aul depend on what lyke of Storage you need:
no. of uny state

1 arrays / Hom dp(i) -> gens you im fib dp(i) ==-1) -> then im state is yet b Cale-

Two type	> >	Top Down (Memoization)
		Bottom UP (Pabulation)

) = dp(i-i) + dp(i-2)Space opliment. do (i) = do (i-1) + do (i-2) BU - iterative (tebulation TD - reuneur | memoise -> Single fors generally -> can save some -> generally here rec Space when compared Space is sany no recursion -> Top Down DP~

House robber in (i-1) (i+1) max profet



Max lean th house d, (i) = max (dp(in), a (i) fd, (in))

