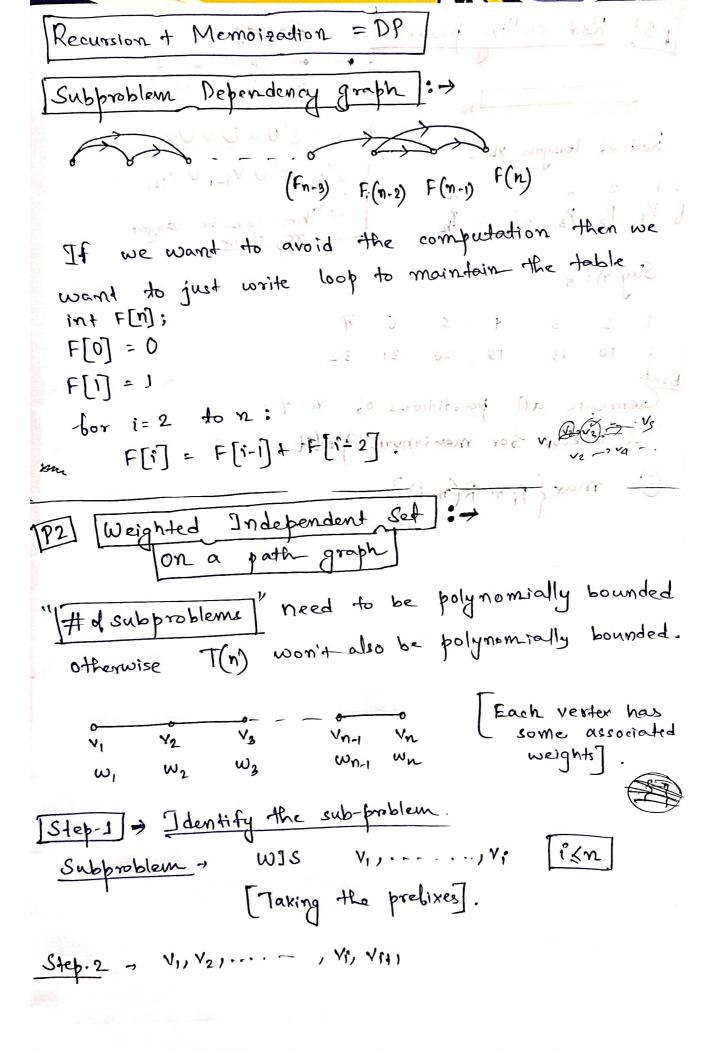


	Fibonacci Sequence!
4	Proble Given n, bind the nth number in the
	bibonaici seq.
	Goal:
	Istep-1] - Identity the subproblems.
	I want to find F; ; 10 & M.
	Step-2 - Relate the subproblems.
	Fr = Fry + Fr-2 1 sen stripion
	The star terroring point or avisons of
	[Suse-case] = +0=0, +,=1
	1 1 26 ar 26 ar 27 27 27 27 27 27 27 27 27 27 27 27 27
	T(n) = T(n-1) + T(n-2) + 1
	Recursive Tree, $F(m)^{n+1}$ $f(n-1) + T(n-2) + 1$ $f(n) = 1 + T(n-$
	Golden ratio.
	$F(m-1) \qquad F(m-2)$
	redoing this
	we don't want
	to compute
	Memoization [1 want to store
	Running time I want to store already solved
	= # subproblems X time you need to
	solve each subproblem
OTENIA DE LA CAMICA DEL CAMICA DE LA CAMICA DEL CAMICA DE LA CAMICA DEL CAMICA DEL CAMICA DEL CAMICA DE LA CAMICA DE LA CAMICA DE LA CAMICA DEL CAMIC	= n x constant time, we can store in a Hashmap
	$\approx O(n)$. 8 then using o(1) we can
	get



Rod cutting problem S = S'UUUNUVI-"Rod of length n.". S"= 15'U Vi-1 U VIH ---6 P1 P2 P3 - To Th 4 These can be larger, my claim, Say n=7 arobations of good stiens having at his Chemerate all partitions of M=7. & check for manimum problit + [inj] = [ij] max { p; + R(n-i)} Menselled and of pased I realy and order malding due and plitterable & 1 . I wany all proof 1, oV (10