Keview: recursión 3 rules examples d sè cura os

lis Directory
list Directory
get Tail

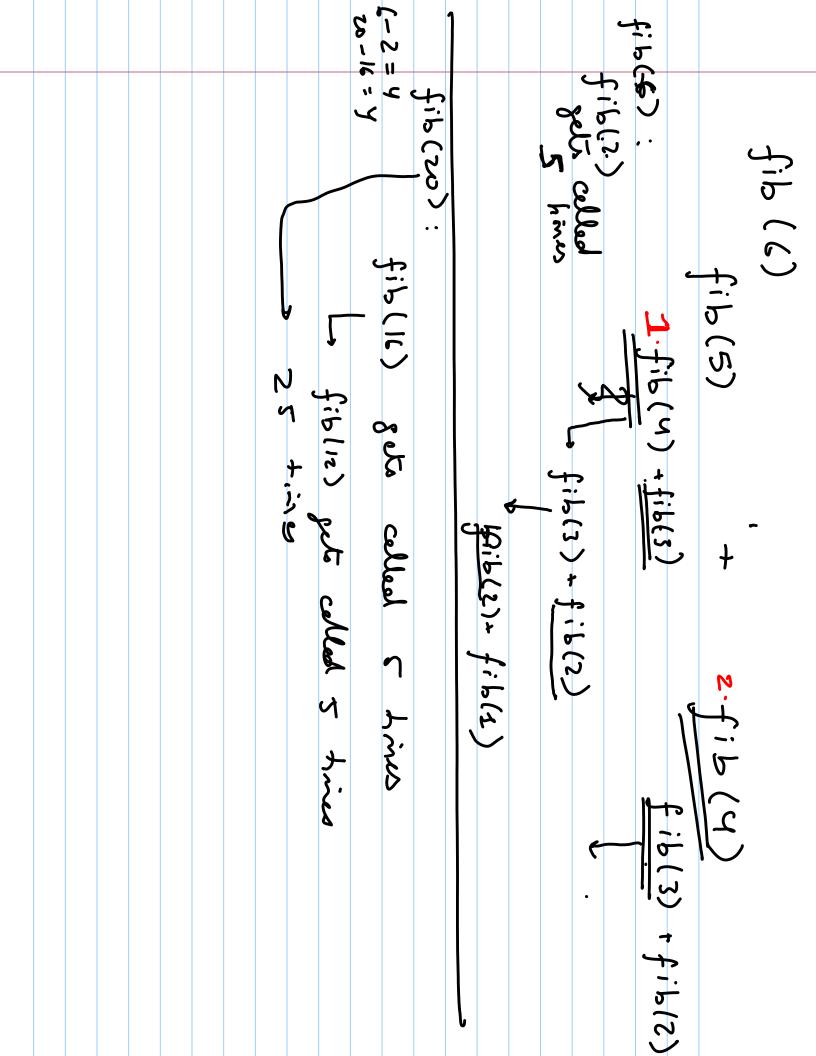
Void

crawl (string filenam,

cout << indext << get Tail (filename)

if (is Directory (...))

10 5 3 2 1 1 5 is in 5	
N 2 2 2 00 00 00 00 00 00 00 00 00 00 00	1
	•
	,
f;b(n-2);	



Save Cache mappings or The fiber will share meppings for elizably computed expressions esociation

Menoization:

caching south expensive function of cells do they do not need previous

be recomputed

Cache stories the cell results ٤. gler in pleneded Colle Chan

Map < int > cache;

<u>5.</u> fib (int (n==2 11 n==2) 8//ban

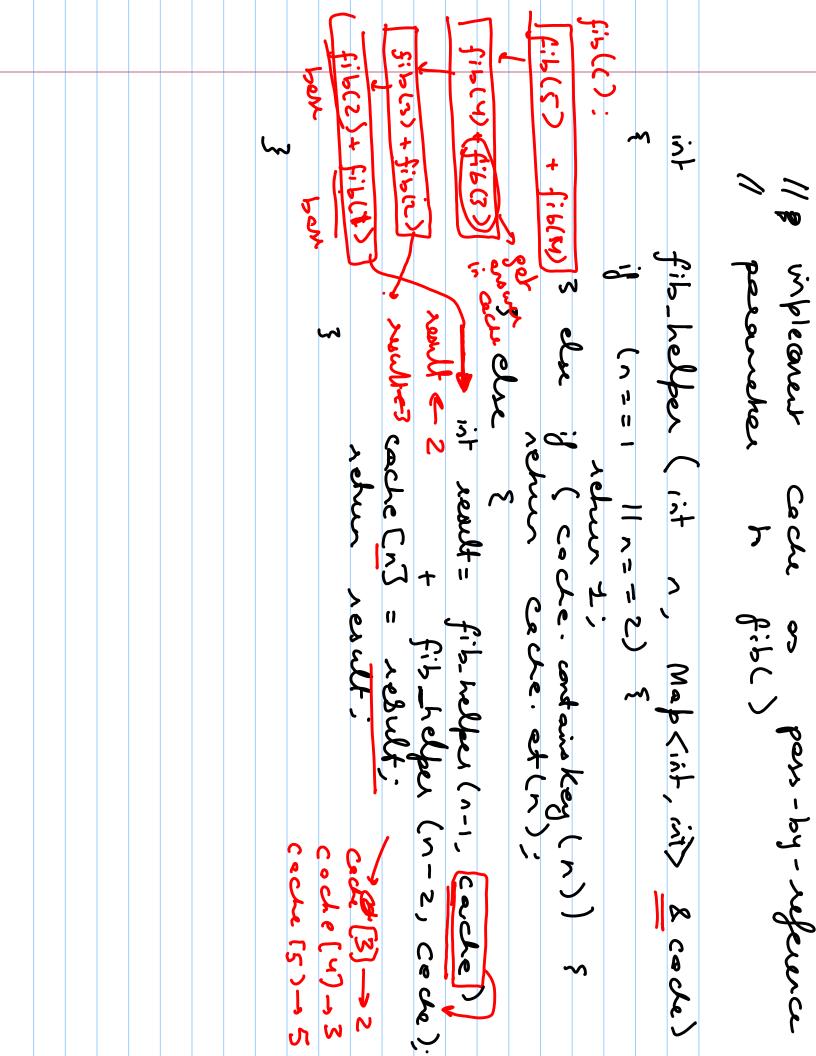
schus 4;

else if (cache containkey(n)) { return cache et (n);

3 che 8

ist rouls = fib(n-1) + fib(n-2) = cache [~] = result; Actum result;

4



schur fib-helper (n, coche) fib (int n) Map sint, int > wrapped function function that does some withink of the purposed of their colls funding of their colls funding of their colls funding of the purposed of their colls funding of the purposed of

<u>ئ</u> م Tail recursion Ø mystery (int) a recursive cell is the fixed recursine Junchin (01 / J elac & = 0/10; sehus mystey (a+b); return o a Chai mede

fact (int n) 3 clar 5 (ハくじょ) sohur schur 1; Zot Tail remaine foct (n-1);

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					385.	Co. Co. Res.	mustre (24)				1			7	_ G,	se aus boi
							•		305	Fed (10	Fect (°)	()	6	(6)	Jock	-

9 Ky, 4 へ。 へ。 しましょう いしていた。 13 (n = =0) { 20 3 elac { } elan brel; fact - helper (int fact (int) retur fact-telper (h, 1); footselfen convert not toil - recursing functions toil - recursing: sehun fechosiel (n-1, total #n); setur (- Jack-radju (05) - fect-redju(1,6) ist total fact (3) (ارد) مطل الحراكية