Types of newsown (Every call at run time) (1) Tail remotion: Space - O(m) JA) noid any (int n) { if (120) { wort a n; any (n-1); -> rewrisine call at the end of undition L. Tail neumon any (3); - space: 4 ctours mu be eneated (n+1) (remission was stack) So It is better to modify a talleremention guto along as the hopmen mane space complemity as 0(1). (Every could at returning Head remoran! void sury (int n) { if (nx) [my cnot); -> remove coll at the stort of andition

L+ Head

nemarim

3

(3) Tree remotion

void Something Cint n) {

(m>0) {

(m>0) {

(m>0) {

(m>0) {

(m-1); } Calling the remove funch formething (m-1); }

(more than two fines is the tree removion

Something () & f ()

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an 20+21+22+...24 2 2 nd1-1

&a, 2000(2")=

space umpremby - 0 (m)

· Institut Recursion Eg. void fund (int 1) vold A (ietn) ; f (if (uso) if (41){ west LL n; funB (mi); B (n-1); void funs (Int 1) if (usi) cont un 3 fun A (1/2); fun + (20) fun B (19) fun + (9)

· Nessed Romanion raines of limber Eg, void func (Int n) Put fime (into) { (u) (u) netwon n-10° fune (fune (n-1)); else func (func (98711)); func (func (39711)) func (101)