Dr. Walid Lec 7 Recursion & APPlications of Stacks the glaz importance of Stacks in OS. Say-os called 'A prestam and 'A calleB. .. when B Finish OS WILL YETUYN to A - So on Last In Tire Out. APP 1 - "tower of Hane I " 3 1-only one DISK Should be remeved at a small BIE Holies W. rasself. Sc. Recursion Base B 29575 n Move Disks (6,1,2,3); Move Disko tos From Mare Disks (6,2,31); ... "We need 127 Step to move ) viso 11 Zomove 100 we need 1x10 64(36

Deptho stack: the histor the Length of the Longest Wanch.

Il we can Solve it iteratively—yes work need to wild stack when iterative letter of man- recussion:

"If the Warn conzain one Granch"

" is the Warn conzain one Granch
" not End Hon "

HERETIVE US RECUYSIVE Factorial MSZEPS MSZEPS

But Helatile Faszer chan Recursion.

Iterative VS Recursive Fibonacci n Steps C'Steps "Designing Recursive Algo."

- · find base cond.
- · Check termination
- · Drawa recursión Erre
- · Find a STOPPING Vule
- · outline you also.

Zail recursion: IF Last Starment Calling Same Sn you can solve it reccursive. without Removing Call)