RESURSION

- · INDIVIOUAL GOEDS TAKE CONSTANT TIME
- O THE PUNTIME IS SIGNIFICANTH AFFECTED BY THE NUMBER OF ITERATIONS
- OFFENDING ON THE PUNCTION,
 THERE ARE ALSO SEVERAL
 THERES OF INDUT
- O THE LOOP GROPS COMEMPRED HOW

 CAN THE EFFICIENCY 66 MEASURED.
- -> CARE ABOUT DUERALL DEPENDENCY
- -> EXAMPLE: O(min {n, m})

PROBLEM-SOLVING AS FINDING STRUCTURE

STRUCTURE OF THE CODE.

DETERMINES THE DIOGRAMMING PATTERN.

Think of USTS (OF LISTS) NOF NUMBERS.

ANESTED RIST OF DEPTH OLS A NUMBER

A NESTED UST OF DEPTH I IS A UST OF NUMBERS.

THUS, A ALESTED LIST OF DEPTH ILL

18 A LIST OF NESTED LISTS OF

DEPTH N-1.

HENCE, A FUNCTION CAN BE PEFINED WHICH GOES THROUGH EACH LEVEL OF NESTED LISTS