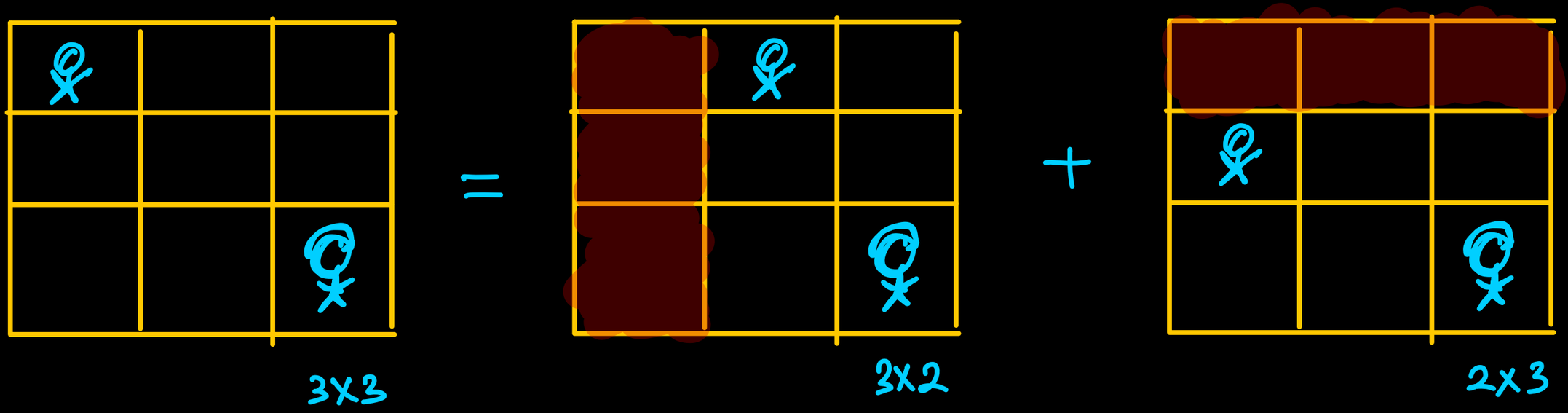
Ques: Unique Paths

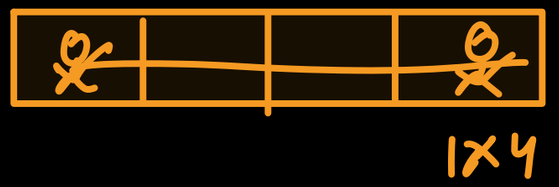
Down & Right



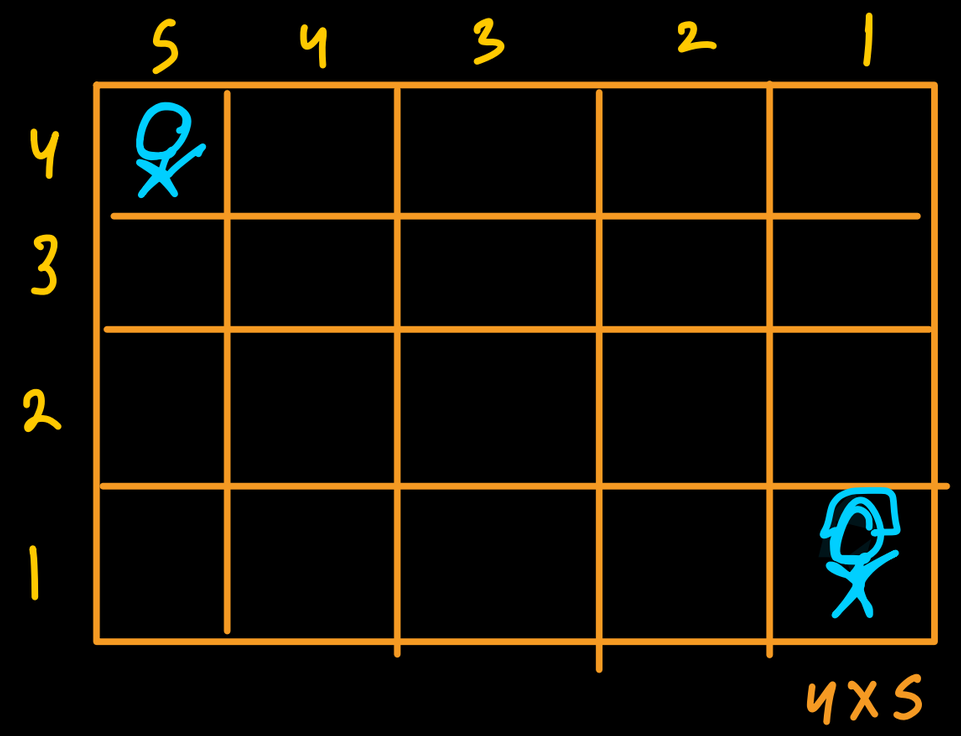
paths(m, n) = paths(m-1, n) + paths(m, n-1)

RRDD
RDRD
RDDR

DRRD
DRDR
DDRR



Ques: Unique Paths



(1,1) to (m,n)

(m,n) to (1,1)

Recursion on Arrays

H.W. Reverse an Array using recursion

Binary Search using Recursion

H.W. First occurence of ele using recursion.

Array of Strings

Ques: Power Set

"a b c d e" "a c e"

↓ subsequence / subset

s = "a b c" { "a", "b", "c", "ab", "ac", "bc", "abc" }

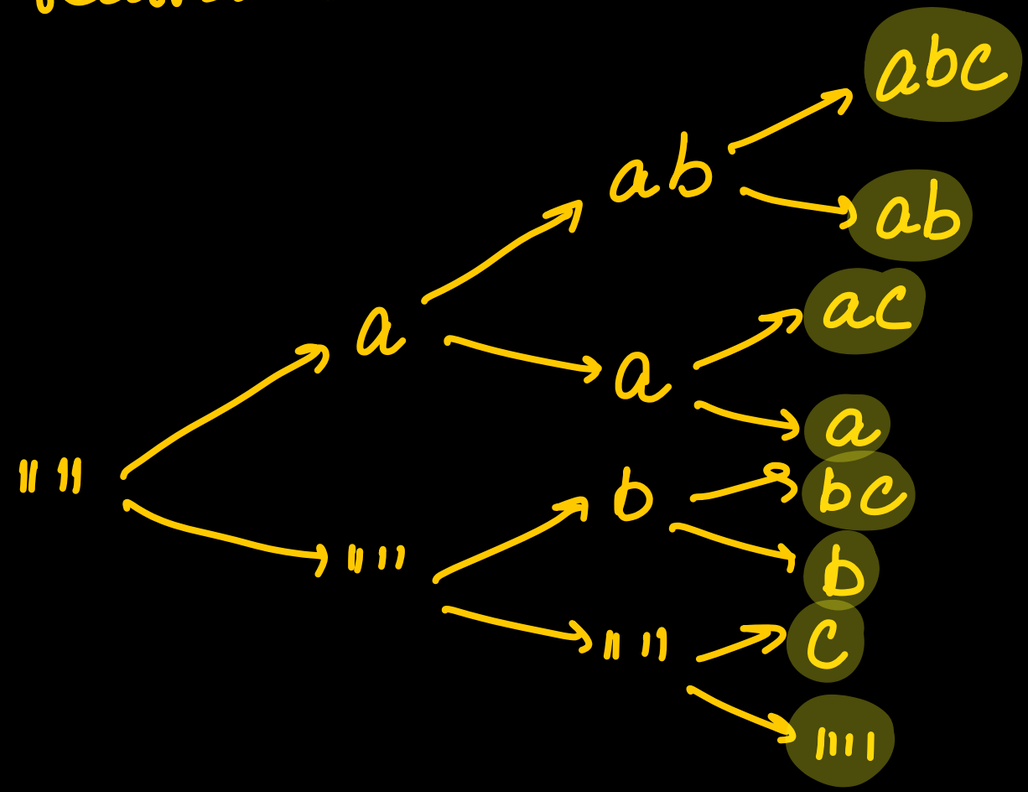
↓ lexographical (sort)

{ a, ab, abc, ac, b, bc, c }

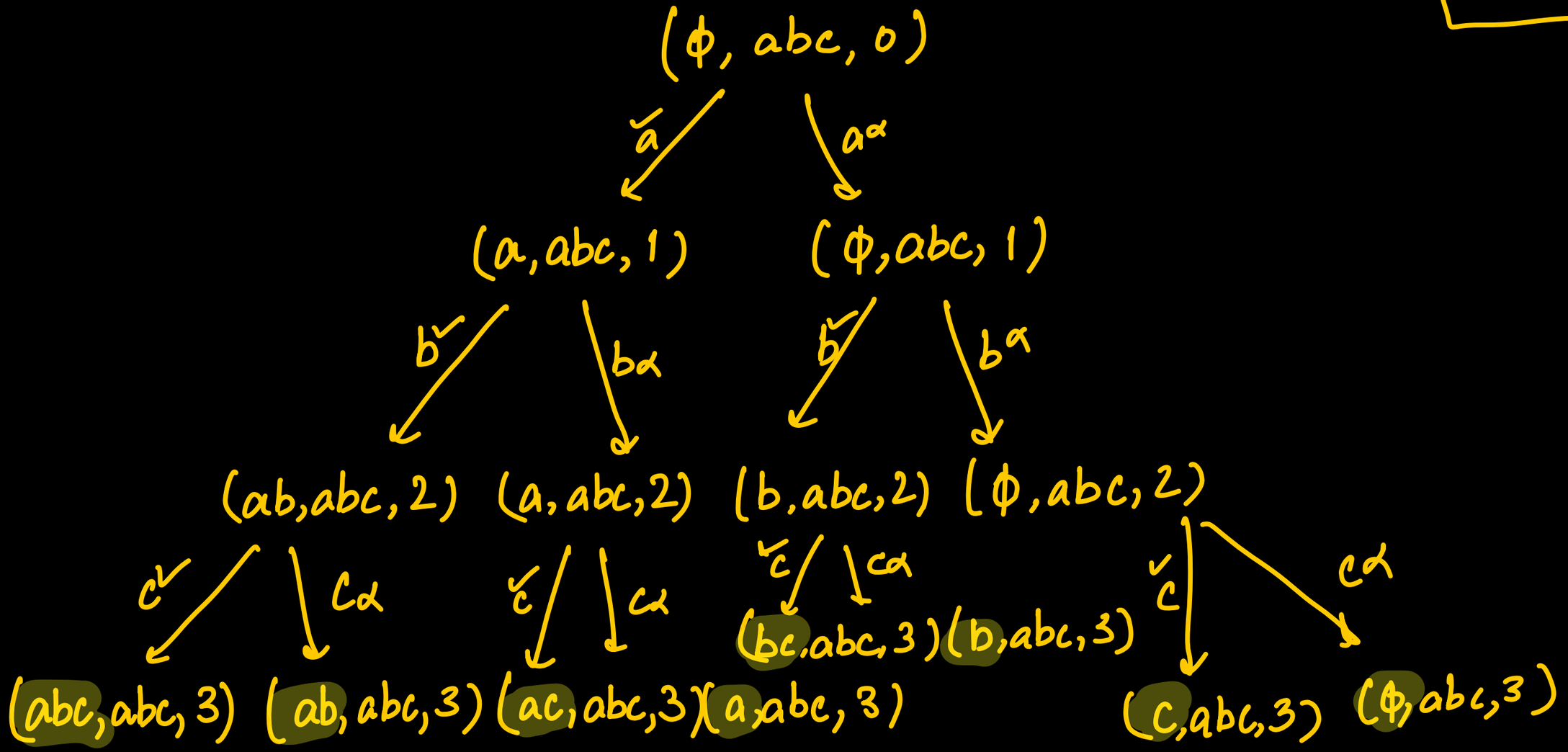
Ques: Power Set

pick & skip wali recursion

abc



Ques: Power Set



HW: Subsets Sum