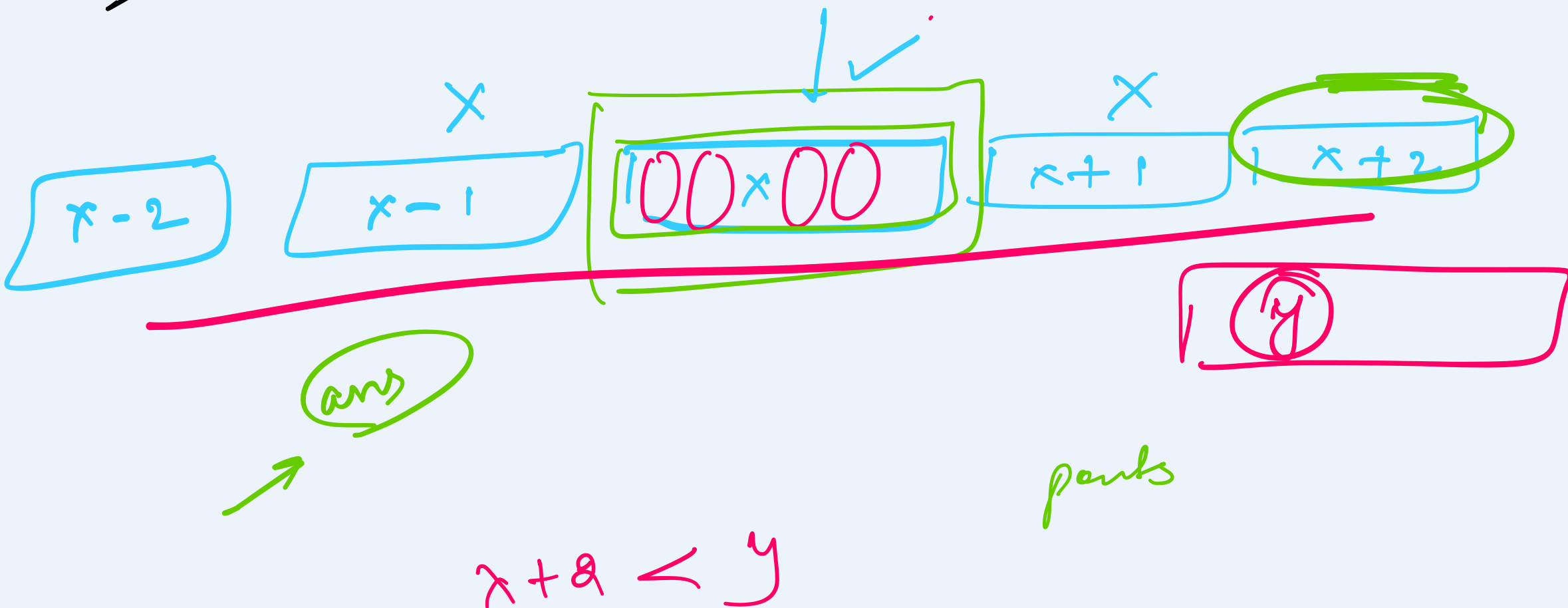
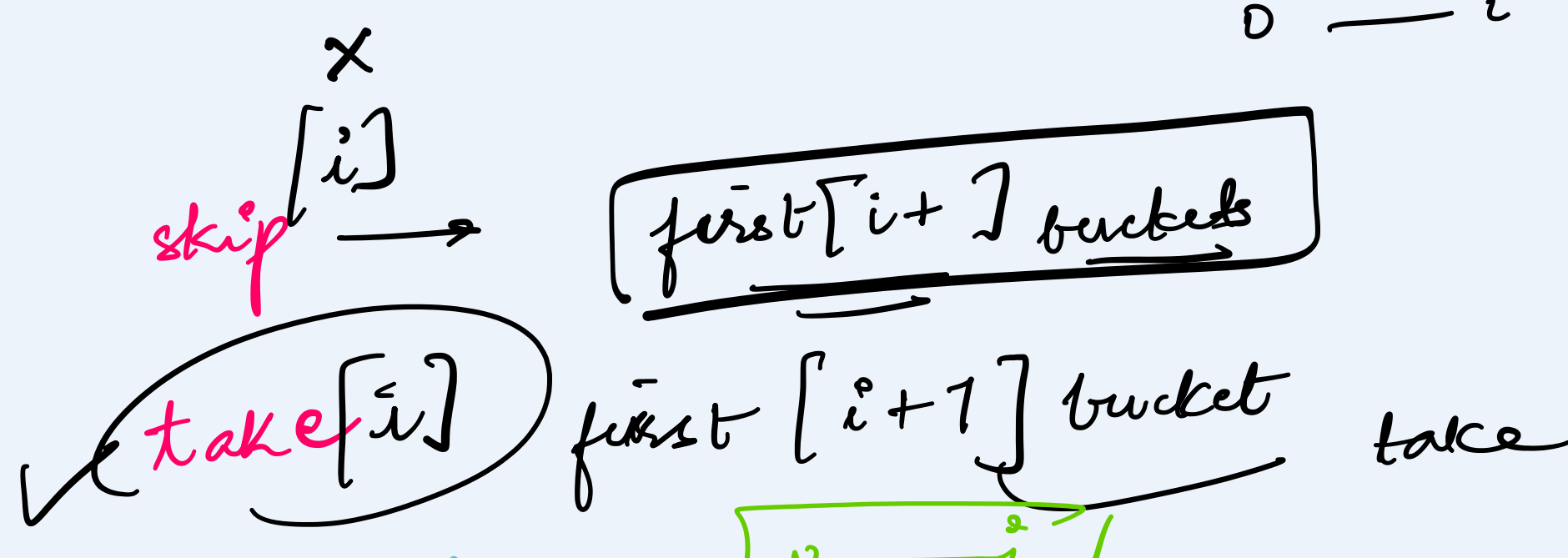
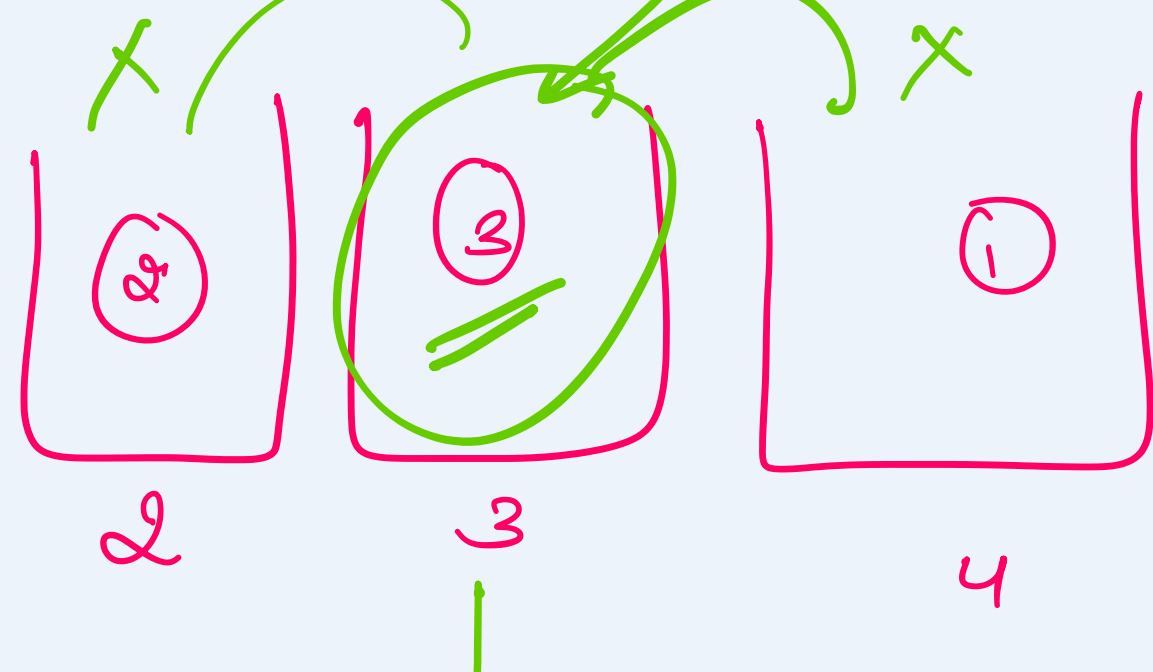


Q Delete & Earn

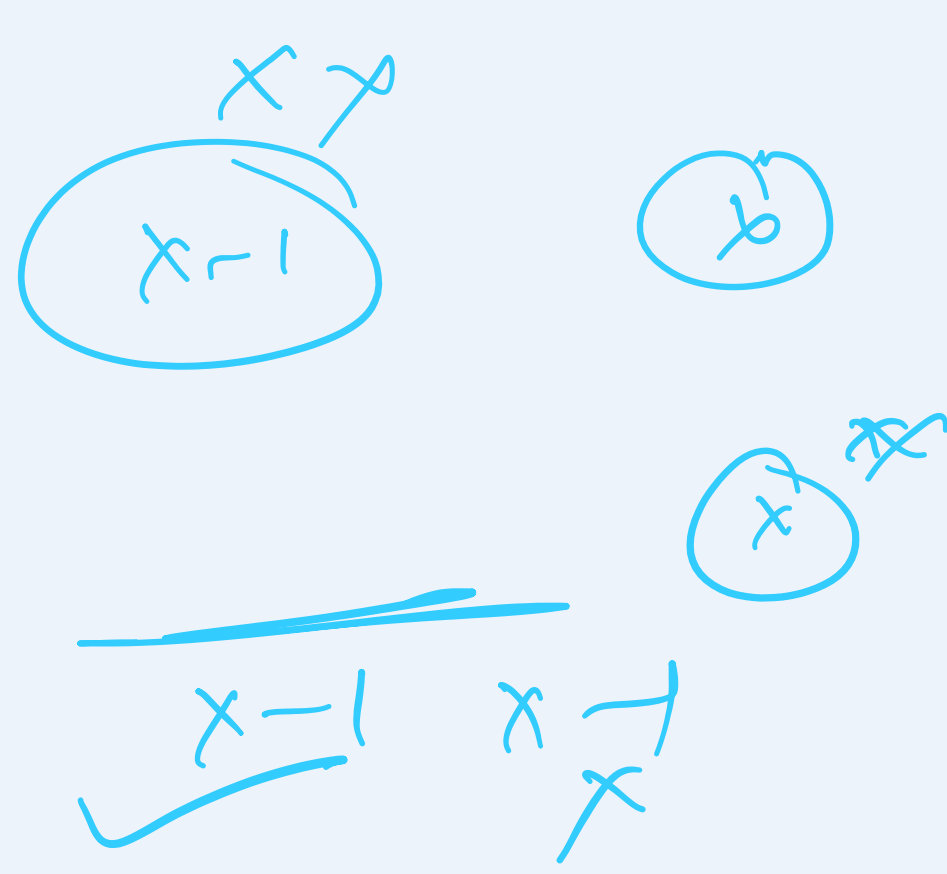


2, 2, 3, 3, 3, 7

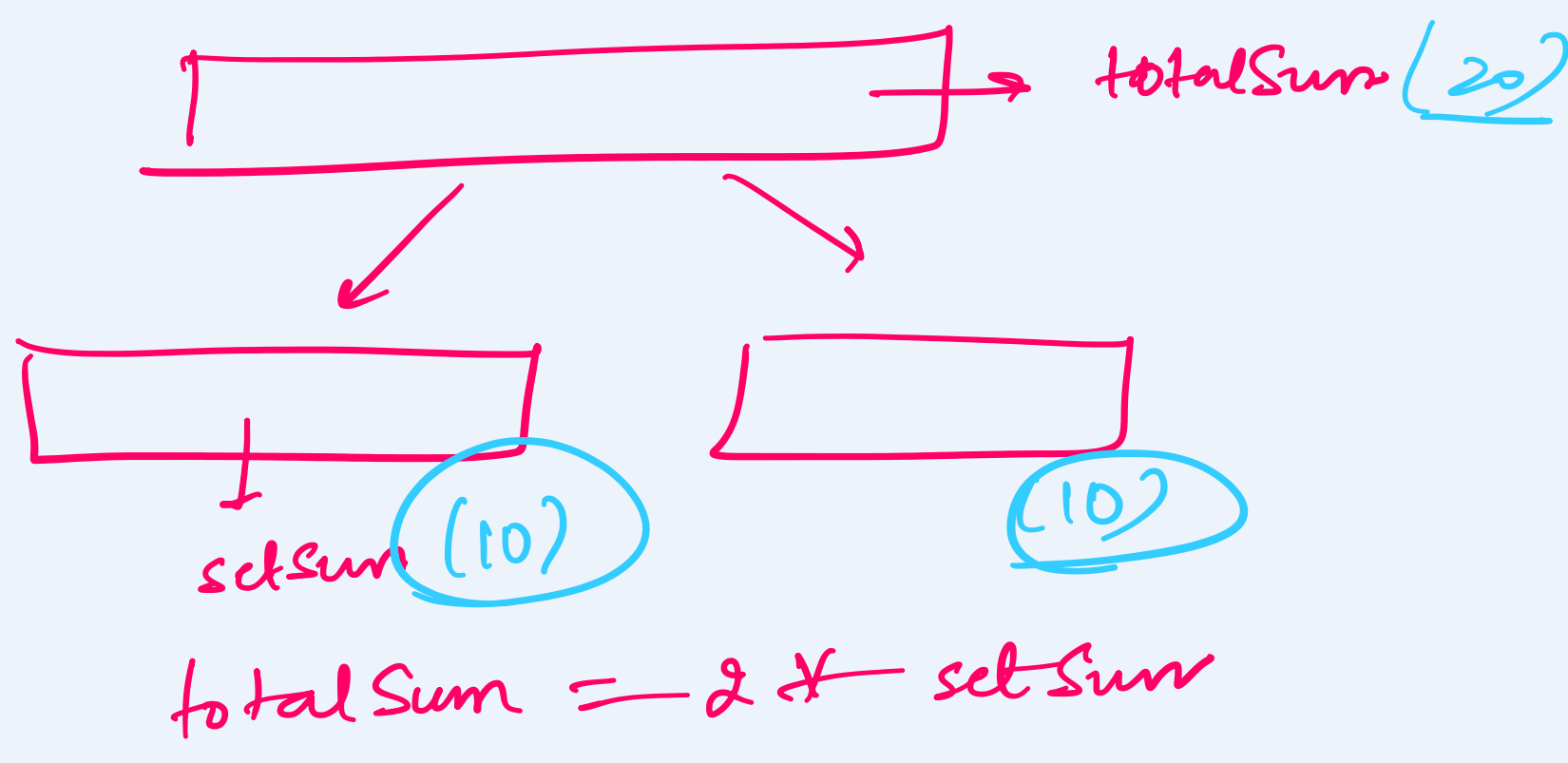


$$\text{take}[i] = \text{skip}[i-1] + \text{value}[i],$$

$$\text{skip}[i] = \max(\text{skip}[i-1], \text{take}[i-1])$$



Q Partition Equal subset sum



problem → to find subset with a sum equals target.

([6, 7, 4, 3], 10) setSum = 10

([6, 7, 4], 7) (3x)

([6, 7], 7) (4x)

([6], 3) (4x)

([6], -4) (7x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

([6], 3) (6x)

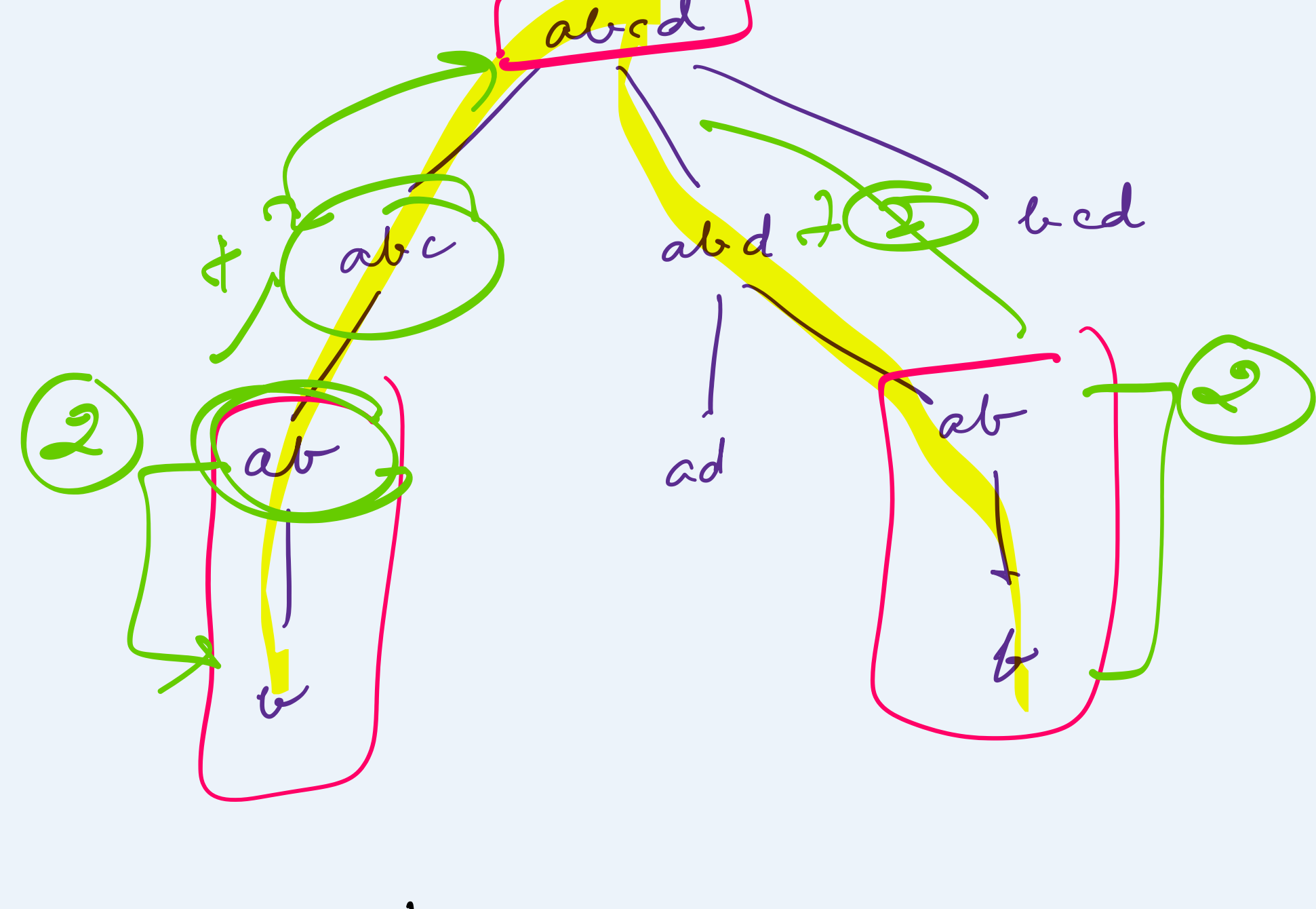
([6], 3) (6x)

Q longest string chain

ab word 1

abc word 2

[abcd, abc, bcd, abd, ab, ad, b]



length

new length = length + 1

[abcd, abc, bcd, abd, ab, ad, b]

Sort the words in inc order of length.

[b, ab, ad, abc, bcd, abd, abcd]

length = 2/3/4

longest length = max(1, 1) = 1/2/3/4

map

map

map