Minimum Window Substring

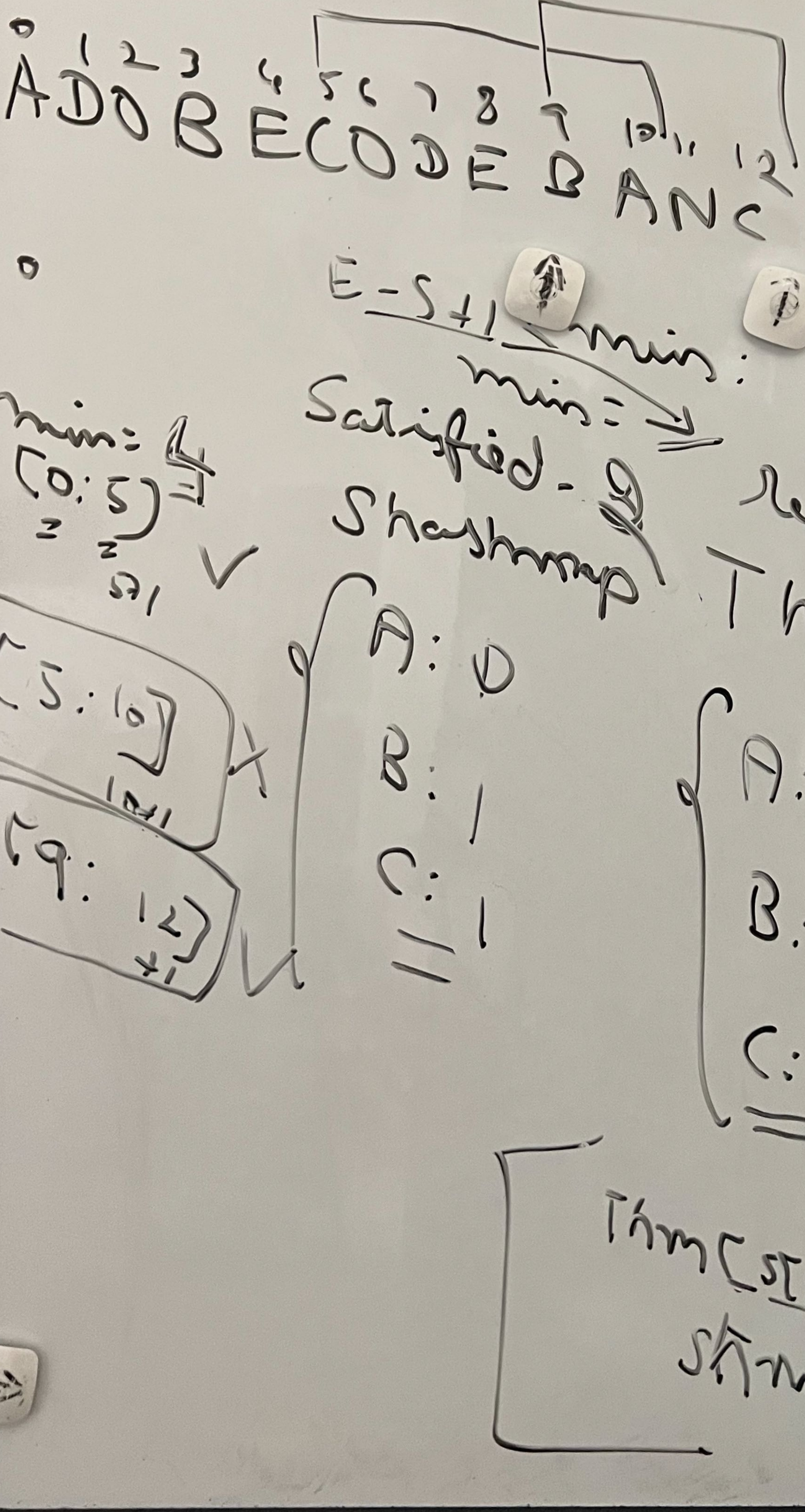
S = "ADOBECODEBANC"

t = "ABC"

O/P = "BANC"

$n^2 \times m$

len(s)+1



Merge K Sorted list

1000
10
1
1

1 → 2 → 2 → 3 → 4 → 6 → 7 → 8 → 9 → 10

1 → 2 → 7 → 8

3 → 9 → 10

1 → 2 → 3 → 7 → 8 → 9 → 10

2 → 4 → 6

1, 2, 7, 8, 3, 9, 10, 2, 4, 6

TC: sort

SC: O(N)

TC: NK

SC: O(1)

[1 -> 2 -> 7 -> 8

TC: N log K

SC: K

3 -> 9 -> 10

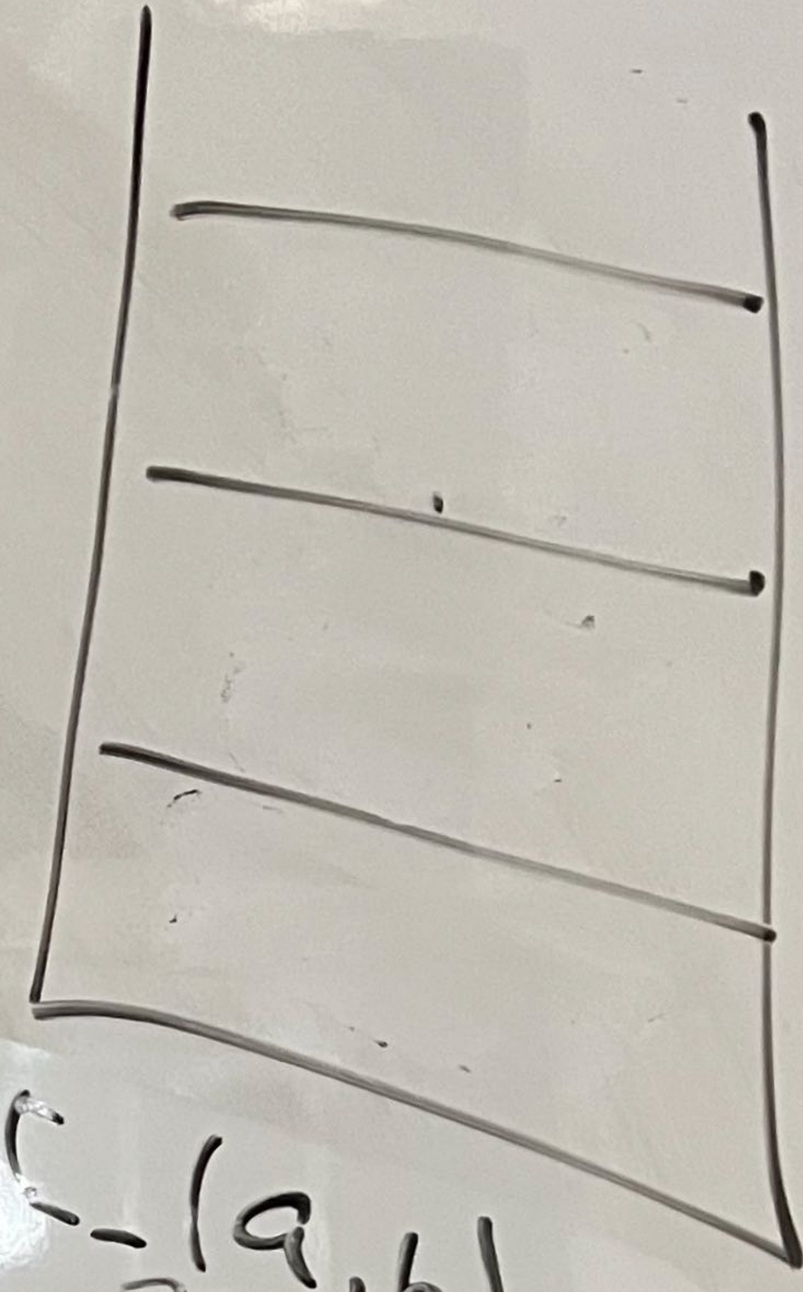
2 -> 4 -> 6]

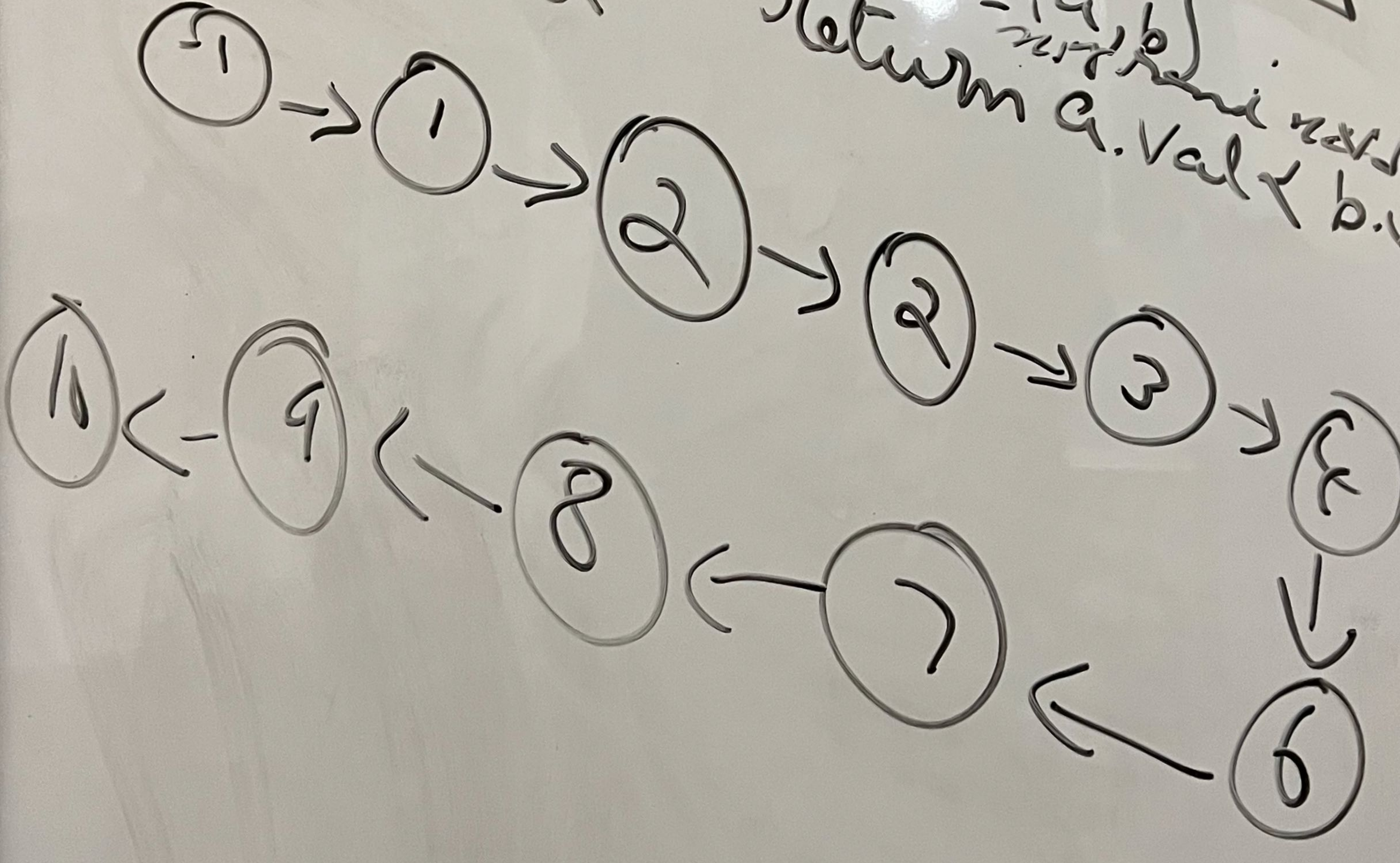
result = dummy(-1)

result.next

ListNode.__lt__(a, b)

return a.val < b.val





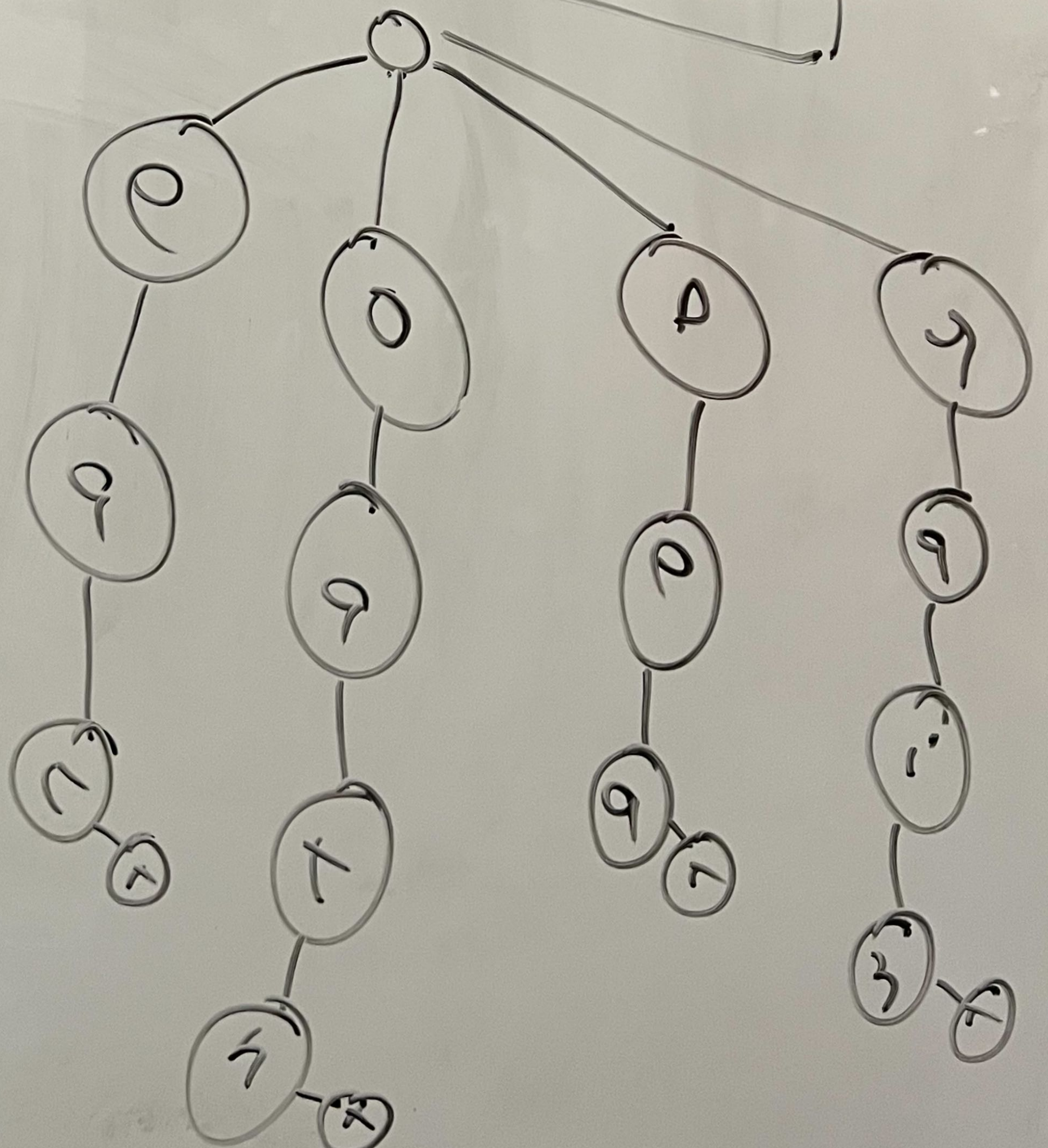
Word Search-II

words = [
"eat",
"oath",
"pea",
"rain"]

m →, n ↓

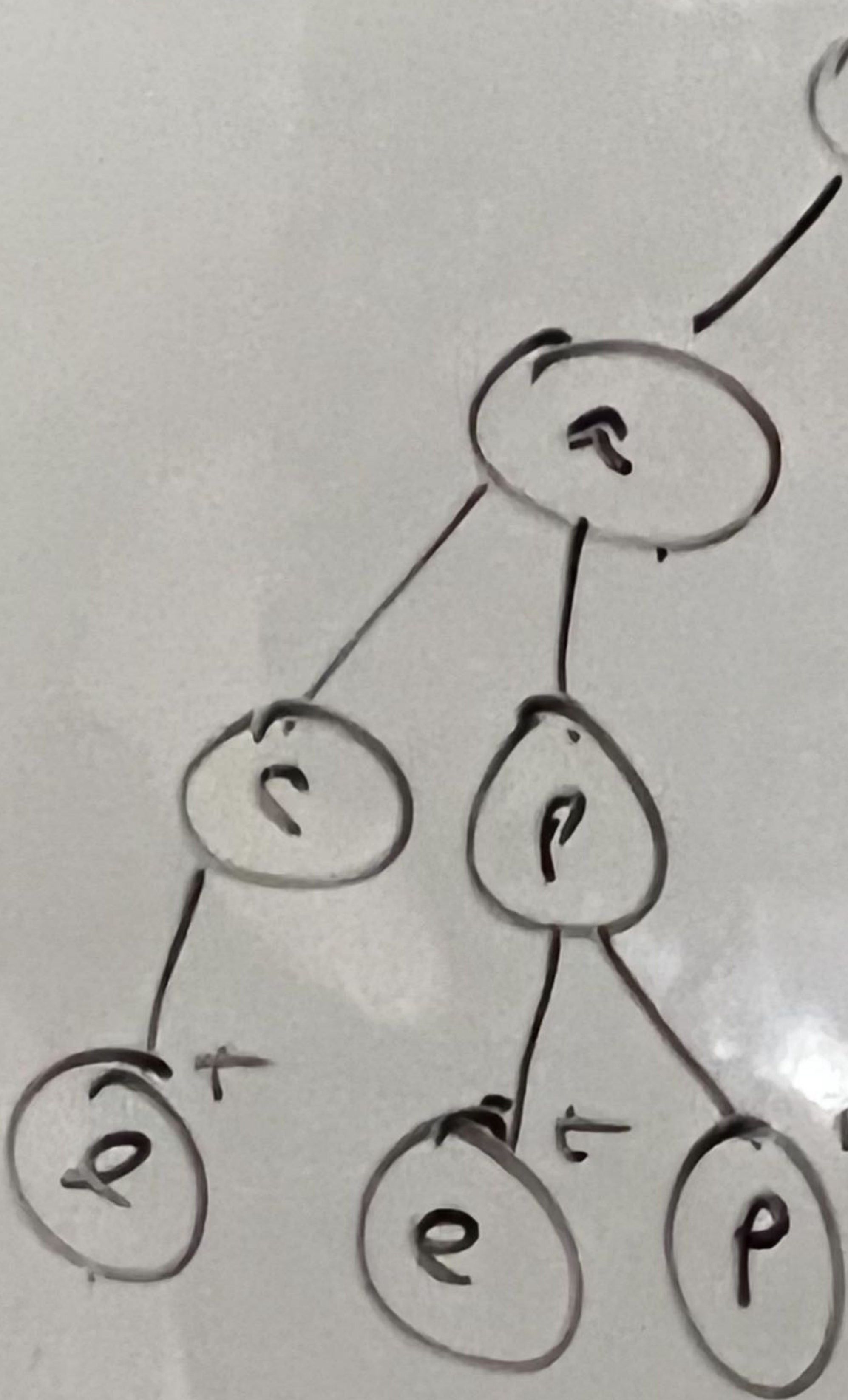
o	a	a	n
e	t	a	e
i	h	k	r
i	f	l	v

$W \times m \times n \, 3^{l}$



"app", "ape", "ace"

b	d
a	p
c	e



3
5
7
9
avg(l)
= k

5×T=2

Result: ["ape", "ace"]

W×l   k

TC: $((m \times n)^{max}(l))$

SC: $W \times avg(l)$