FIND WORD WHOSE ALL PREFIXES ARE PRESENT IN THE ARRAY

Problem: Given list of words, find the string whose all prefixes are present in the words array. Find the lexographically smallest string with highest length. If no string exists, return None

Test case:
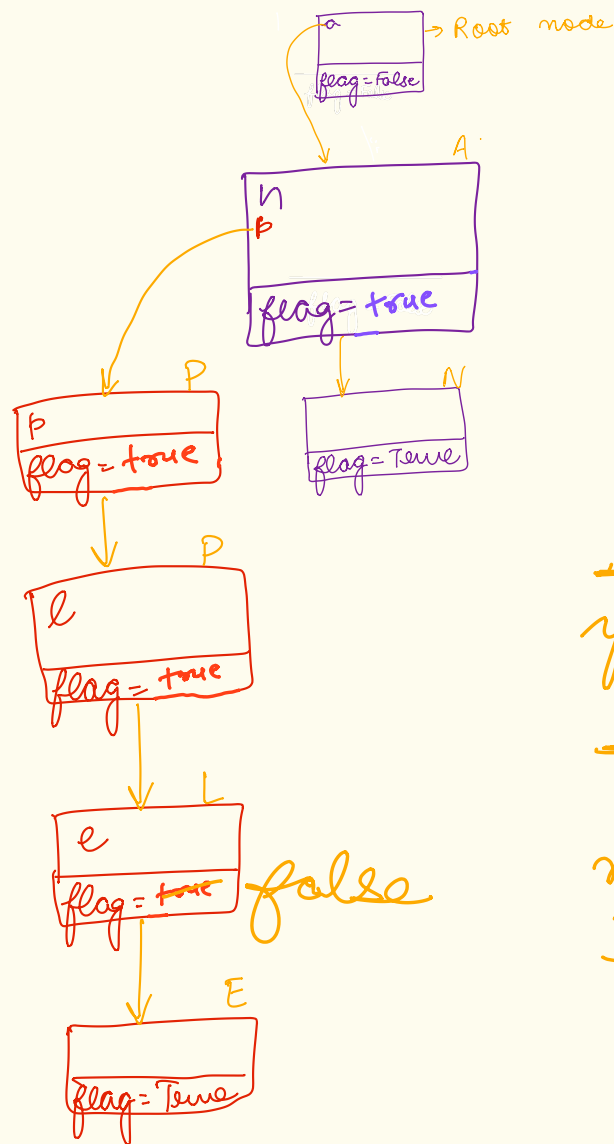words = [an, a, cap, [apple], app, appl]

Prefixes of apple:
a, ap. app, appl, apple

As we can see, all the prefixes of apple are present in the words array

Output : apple

words = [an, a, ap, apple, app, ~~appl~~]

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a → Root node
flag = False

A
n
p
flag = true

P
p
flag = true

N
flag = True

P
l
flag = true

L
e
flag = ~~true~~ false

E
flag = True

y
get (flag)
get? is
node → is End ()
y

true

ans = ~~an~~ apple