

Search II

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

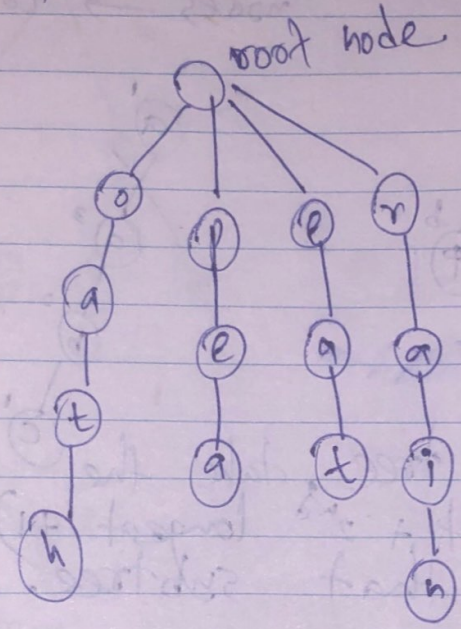
oath
Dea
eat
rain

dfs on the grid is brute force approach.

max word length
 + ~~max~~ length of # of words
 small ~~size~~ ^{size} to create the trie

(min & max word length)
 min (4), max (4)
 simplifies to
 min & max (4, min)

path
 pea
 eat
 rain



create the trie structure

maybe ^{min} should be
 3 ^{min} as one direction is
 already discarded.
 (direction we came from)

on each grid position, do dfs
 relevant ~~path~~ trie node

as always, we have to have an
 indication for the end of words
 in the structure.

space complexity
 all the letters
 if there are no
 overlappings.
 # of words * max word
 length