Design Add and Tearch Words Desta Structure

[Con Idea:]

· Vac a trie

add vand: standard trèe ensert.

-rearch: handle '. via DFS backtracking:

If current pottern clas is a letter - follow that one child.

· If it's ! -- try all non-mull children from this nock.

Success if you reach the end of the pattern at a node well is End=true.
There works well because constraints are small (=25 length, &2 dots), so branching is limited.

Node Design: (

. bod is End

· Prie Node to next [26] (or un ordered_map; anay is fine here).

Complexity; 1

Let L= word length, K= branching from a dist (= 26, but in practice smaller).

edd Ward: O(L)

- rearch: no obots O(L)

· with dots: vont-con O(Kad*L), where d = 2 Gostell small