Tries

Notebook: Algorithms

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Author: timtom

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Tries

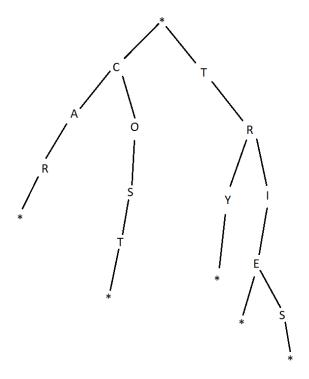
What is Tries?

• It is a data structure that is a type of a tree.

• it is often used to store characters.

• It is efficient in storing different prefix in dictionary.

For example:



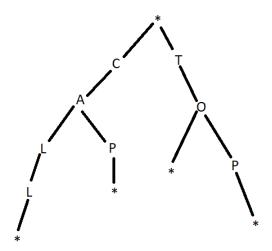
Dictionary:

- CAR
- CARD
- CARDS
- COST
- TRIE
- TRIED
- TRIES
- TRY

Implementation:

• Instead of looking at each of the prefix, we build on the past cells of the trie.

For example:



- Is A part of C ----> **YES!**
- Is L part of CA ----> **YES!**
- Is L part of CAL ----> YES!
- Is P part of CALL ----> NO!
- END WITH *.

THIS IS PRETTY MUCH A VALIDATION(checking whether each of the characters belong each other).