

TRIE

RETRIEVAL
STRING PROCESSING.

TRIENODE{

TRIENODE[] CHILDREN;

boolean isEndOfWord;

}

\$: END MARKER
boolean TRUE

INSERT(WORD)

CURSOR ← root

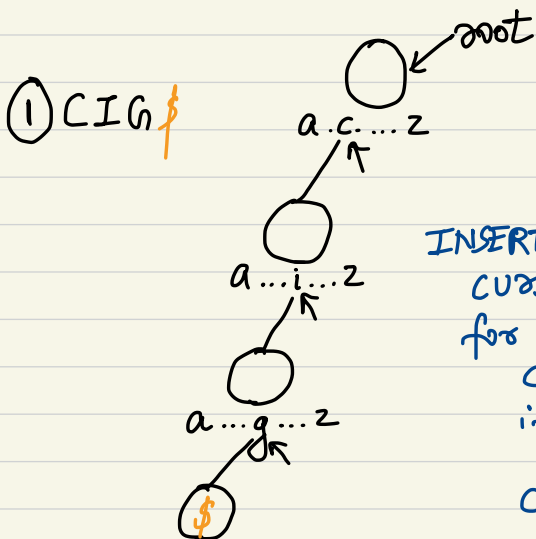
for $i \leftarrow 0$ to word.len

$c \leftarrow \text{word}[i]$

if CURSOR.child[c] == null

CURSOR.child[c] = new TrieNode()

CURSOR ← CURSOR.child[c]



STARTS-WITH??

SEARCH(WORD)

CURSOR ← root

for $i \leftarrow 0$... len

$c \leftarrow \text{word}[i]$

if CURSOR.child[c] == null

FALSE

CURSOR ← CURSOR.child[c]

return CURSOR.isEnd.

