2		•		
V	as		1	1

- bood for tracking strings
- Same as tree but every now represents a char
- Root node is a sential node
- node" land of word)
- example:

Contains ("a") = true

Contains ("a w/s") = true

Contains ("san") = true

Contains ("sam") = true

Contains ("same") = true

Contains ("sap") = true

Contains ("sap") = frue

Contains ("sa") = frue

Contains ("sa") = frue

Contains ("sa") = frue

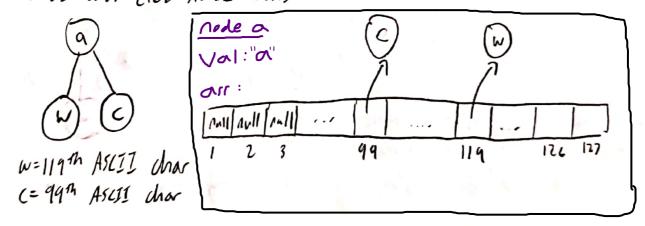
Contains (" sax") = Fabe

indicates ending

· Representing nodes children: Data Indexed Array Implementation

- Create a size 128 array w/ the ith Index representing in child node with

the ith Ascill char (128 Ascill chari)



- Runting:

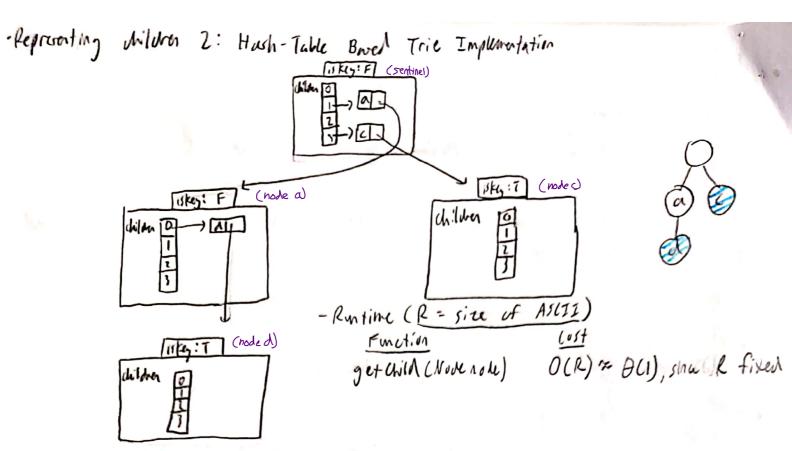
Emution
and (String with)

contains (String with)

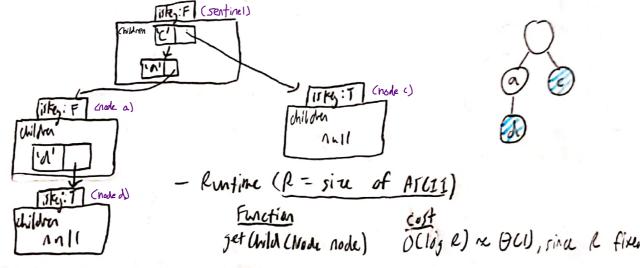
get (hild (Nade nade)

(<u>ost</u>
Θ(word.lagth()) 2 Θ(1)
Θ(word.lagth()) 2 Θ(1)
Θ(1)

- Dernide: man, welver noll



· Representing children 3: BST/Treeset Bared Tric Implementation



- · Data Index Array vs. Hash-table vs. BST
 - Data Index Array wer more space
 - Hart-Table and 1857 slightly slower for finding wilden (O(R) and O classes)