0		,		
ν	as	ì	ι	S

- 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 ("sad") = true

Contains ("sam") = true

Contains ("same") = true

Contains ("sap") = true

Contains ("sap") = true

Contains ("sap") = fabe | "miss"

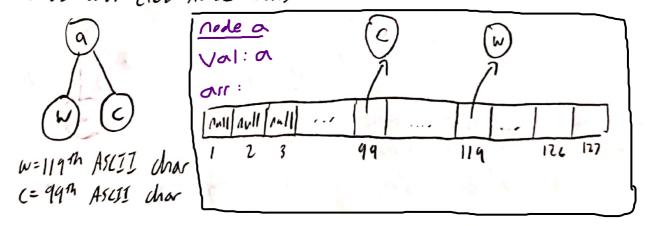
Contains (" sax") = fabe

indicates ending

· Representing holds children: Data Indexed Array Implementation

- Ocate a size 128 array w/ the ith index representing in child node with

the ith Ascil char (128 Ascil chari)



- Runting:

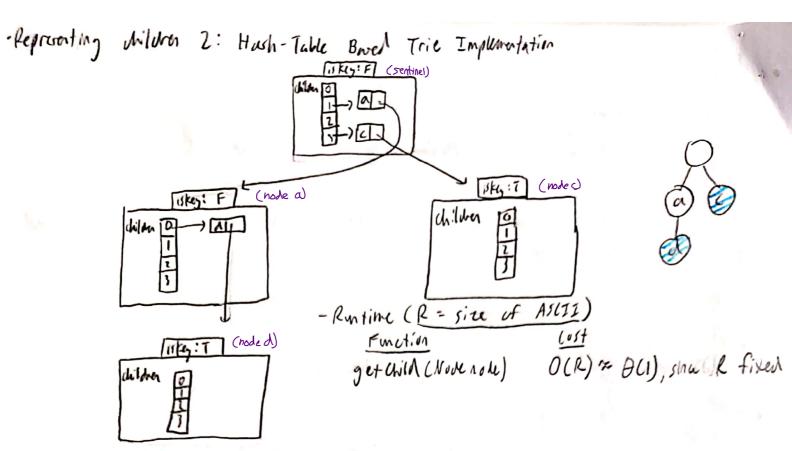
Emution
and (String with)

contains (String with)

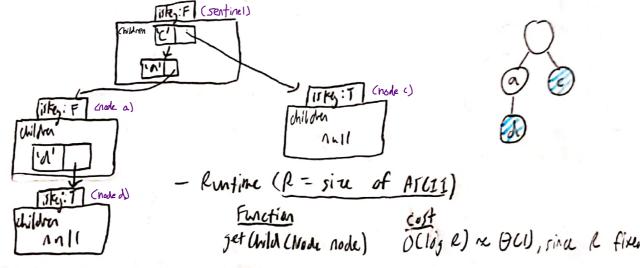
get (hild (Nade nade)

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

- Dirnside: man, welor 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)