

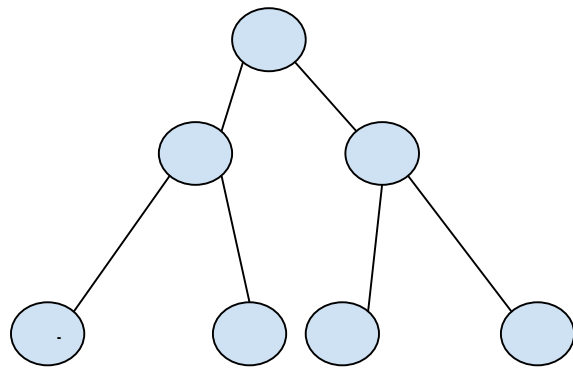
### 1 How to Build Huffman Tree:

Count occurrences of symbol in given text. Using this list of frequencies created nodes(which are leaf nodes) that hold the symbol and count of any symbol that actually occurred. Store these nodes in a list. While there are more than one node, create another node whose childs are the two smallest nodes in the list and store this node back into the list.

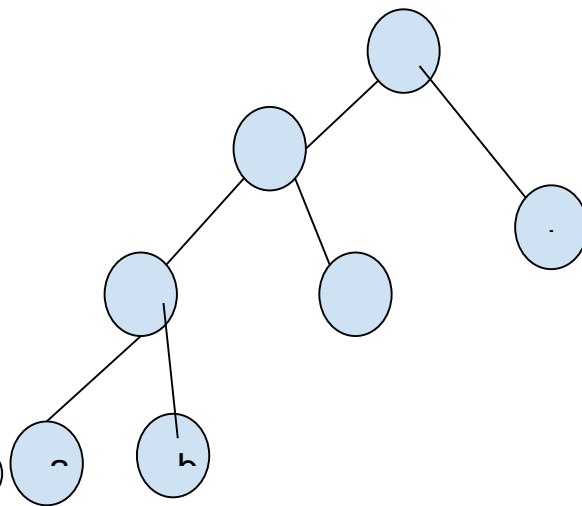
2 To find the codeword for each byte, go through leaf nodes and traverse up to the root node keep track of whether coming from left or right subtree. Take this traversal order and reverse it to get the codeword for the byte.

3

Check1:



check2:



456)

NO DIFFERENCES FOR EITHER CHECKPOINT.TXT FILE