be transmitted.

input string: "GGCATTTAGGGGCCATX" frequencies 1. Court frequencies of letters in Zi 2. Label leaf noves of tree with letters + frequencies 3. From bottom up, build tree by creating a parent with two children of the smallest noses available, Report until all nodes have a single root. 4. Follow tree Journ to leaf nodes Concatenating edge values to form the encoding, 2 a)(on't) Also, if the laf nodes are arranged from least to greatest, or just sligged, the output code will be different. a) from this example, it is possible to arrive at another encoving. This is because the letters "C" se "A" have the same frequency. As such, a true could be constructed where their codes were surpried.

b) In order for a remote machine to be able to decode the "coded Message, the final encoding table along with the coded massage would need to