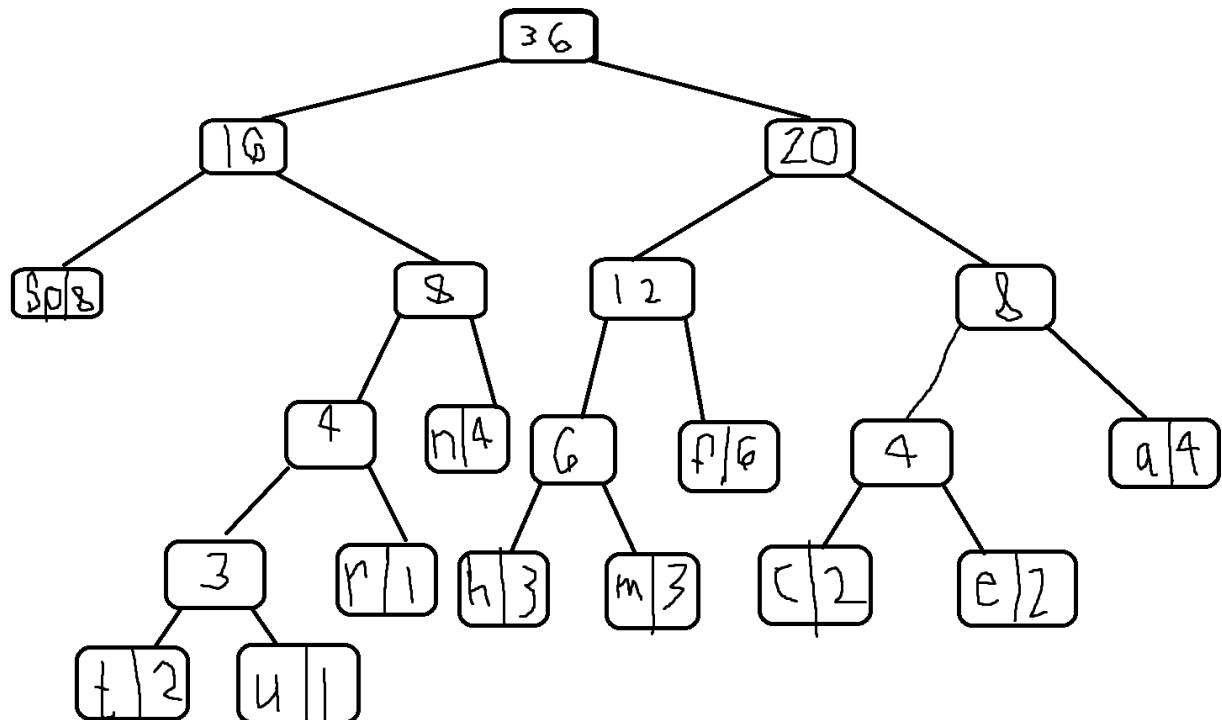


- 1) Create a Huffman Tree and generate the codes for each character of the following input:

create a huffman tree

For consistency:

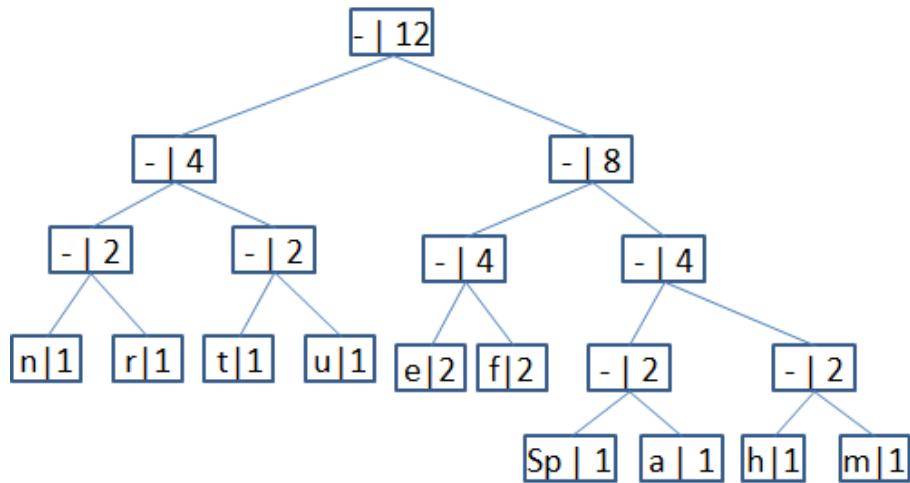
1. If same frequency – put in priority queue alphabetically; put space before other characters of the same frequency
2. Add subtrees to end of group with same priority
3. Lower number has higher priority (goes to front)



Now encode “create a huffman tree”

1100 0101 1101 111 01000 1101 00 111 00 1000 01001 101 101 1001 111 011 00 01000 0101 1101 1101

2) Based on the following Huffman tree and binary sequence, what is the text



1110 011 101 101 1111 1101 000 1100 010 001 100 100  
h u f f m a n Sp t r e e  
Sp | 1 a | 1 h | 1 m | 1