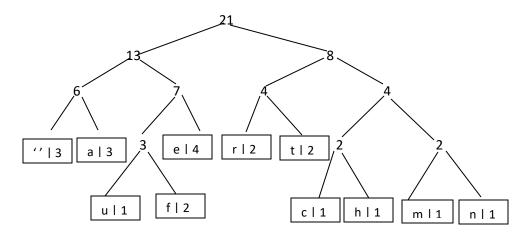
CMSC 204 Huffman Lab

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

create a huffman tree

For consistency:

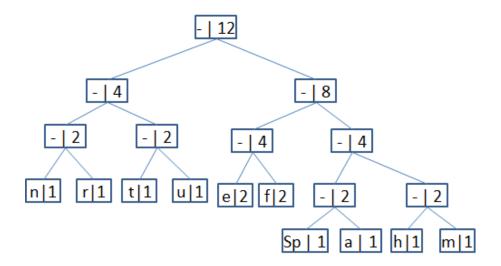
- 1. If same frequency put in priority queue alphabetically; put space <u>before</u> other characters of the same frequency
- 2. Add subtrees to end of group with same priority
- 3. Lower number has higher priority (goes to front)



char	freq	code
е	4	011
а	3	001
()	3	000
(space)		
t	2	101
r	2	100
f	2	0101
u	1	0100
n	1	1111
m	1	1110
h	1	1101
С	1	1100

Now encode "create a huffman tree":

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 huffman tree