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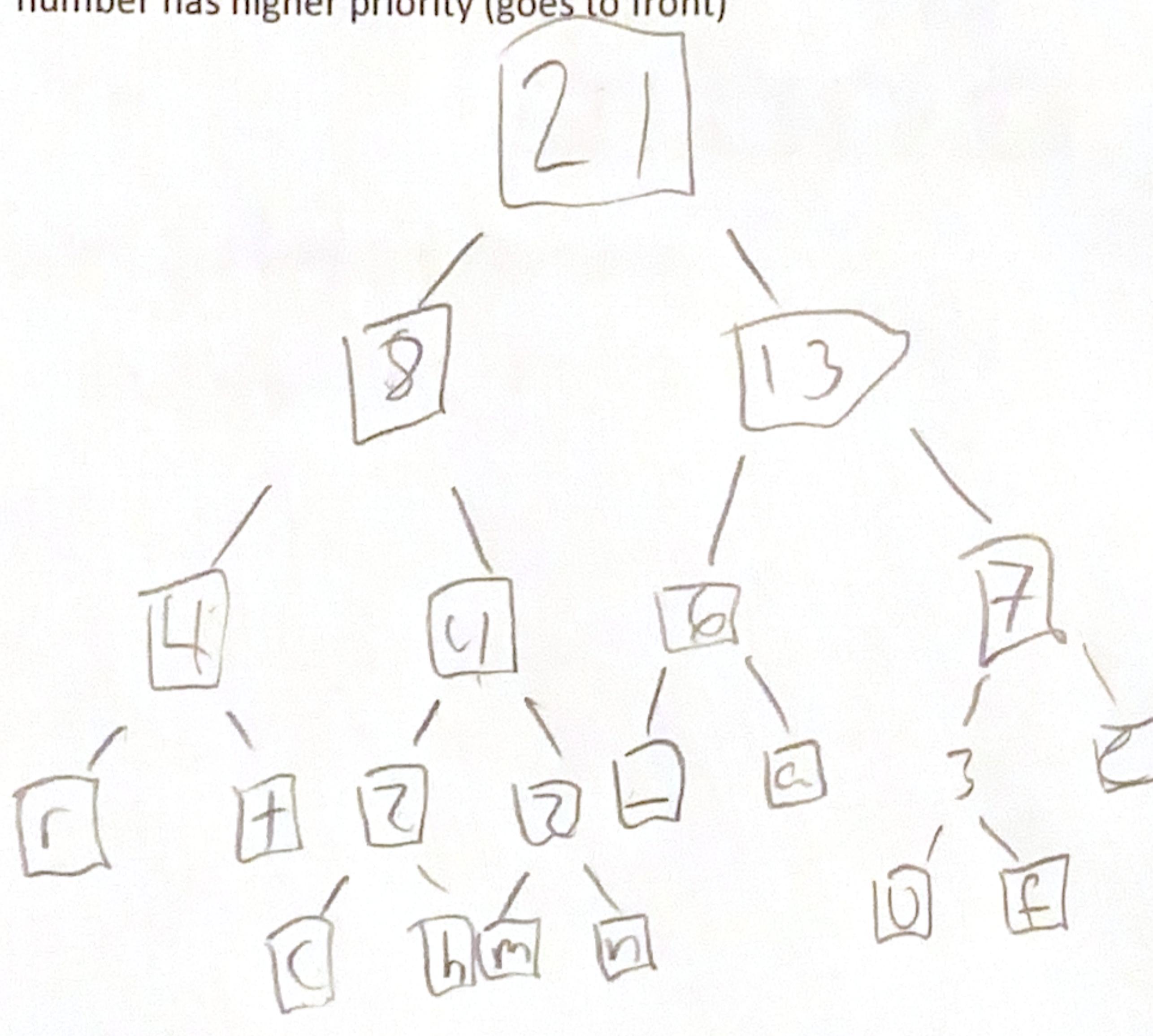
CMSC 204
Huffman Lab

- 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 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)



c: 0100
r: 000
e: 111
a: 101
t: 001
-: 100
h: 0101
v: 1100
f: 1101
m: 0110
n: 0111

Now encode "create a huffman tree"

01000061110100111100101100
010111061101110101101010111
001000111111

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

