

Karen
Wilson
syx009

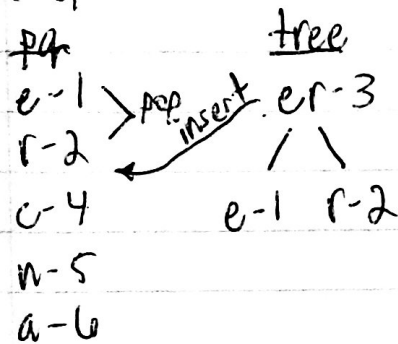
Assignment 4 Problem 3

Encode the following message by using Huffman coding:

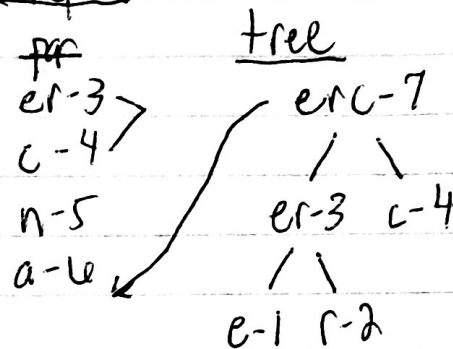
"cannercanacanra"

Frequencies		
e-1	r-2	c-4
n-5	a-6	

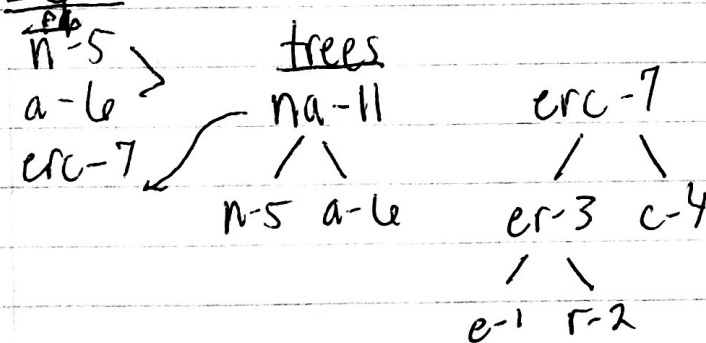
Step 1:



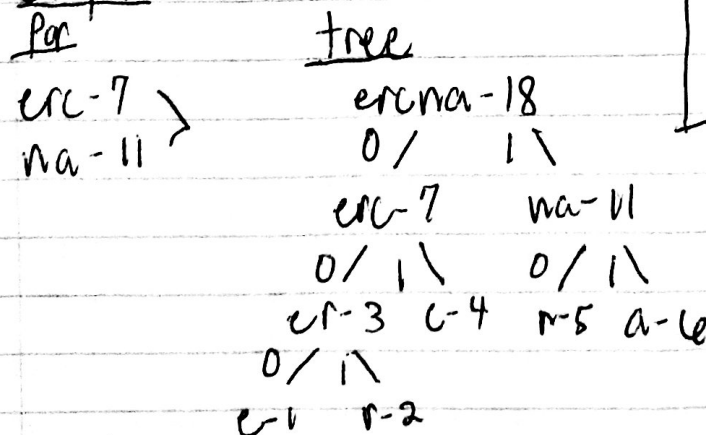
Step 2:



Step 3:



Step 4:



Encodings		
a-11	n-10	c-01
r-001	e-000	

"cannercanacanra"

↓

c	a	n	n	e	r	c	a	n	c	a	n	a	n	r	a
0	1	1	1	0	1	0	0	0	0	0	0	1	0	1	1
1	1	0	1	1	1	0	0	0	1	1					