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3H

Data Structures Lab

Lab 14

Task 1)

A = 0

B = 100

C = 1010

D = 1011

R = 11

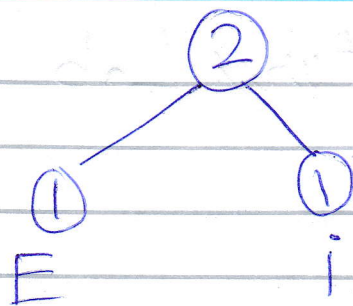
Task 2) Eerie eyes seen near lake.

Frequencies:

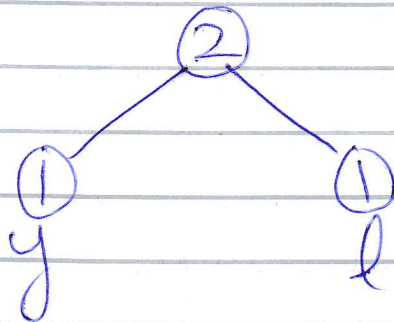
E	i	y	l	k	.	ln	r	s
1	1	1	1	1	1	1	2	2

h	a	space	e
2	2	4	8

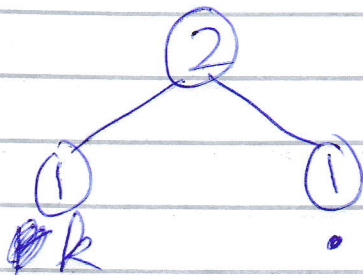
Step 1:



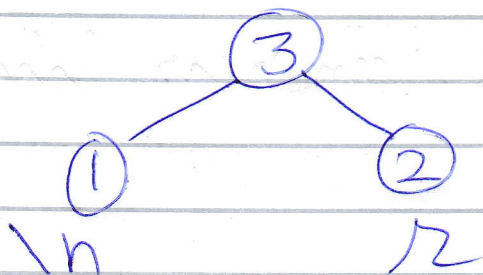
Step 2:



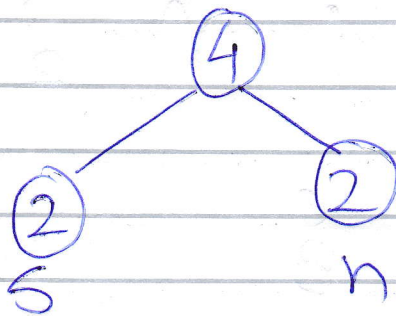
Step 3:



Step 4:

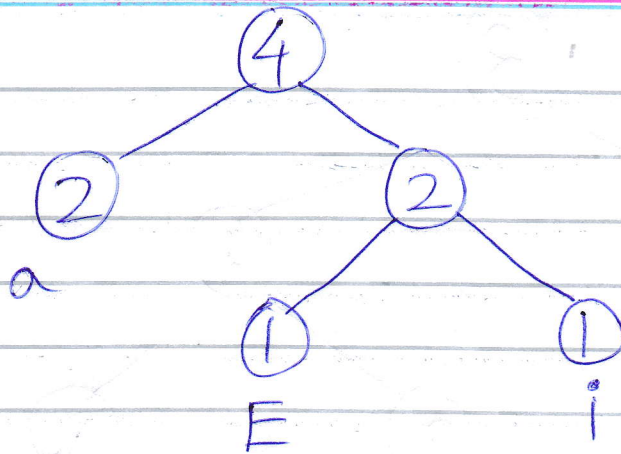


Step 5:

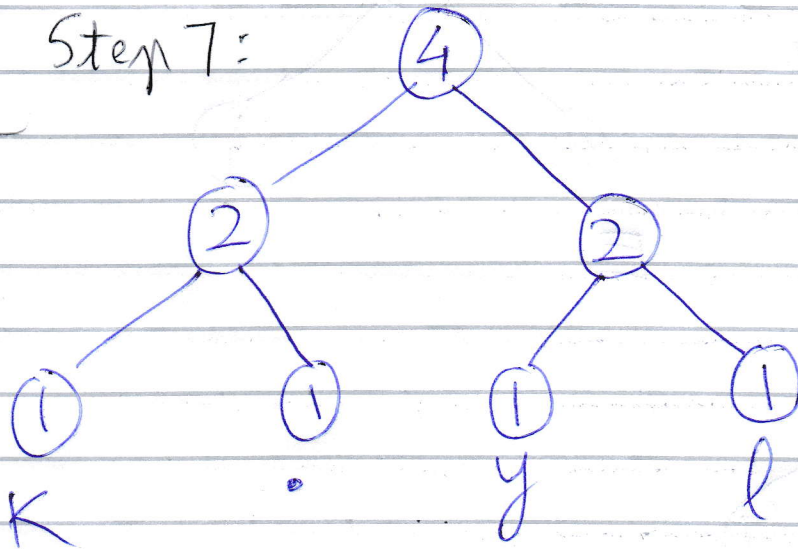


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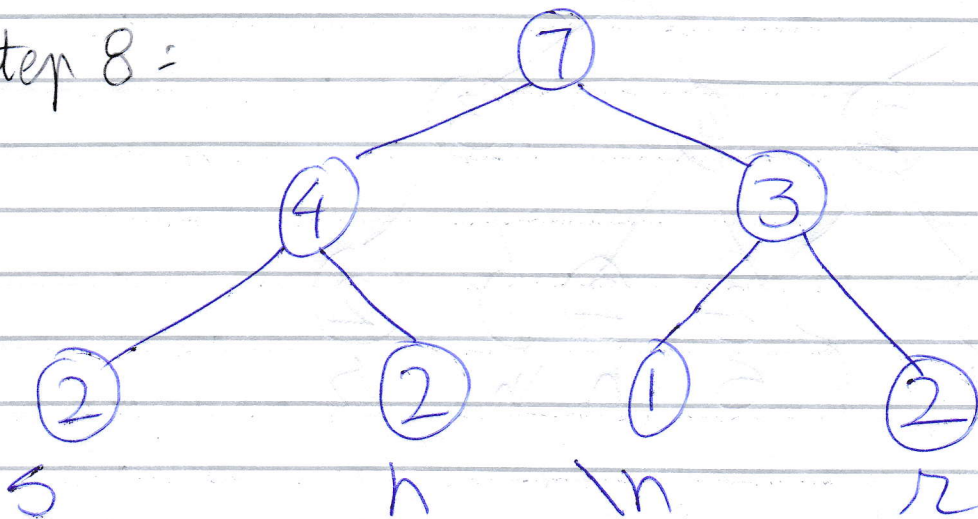
Step 6:



Step 7:

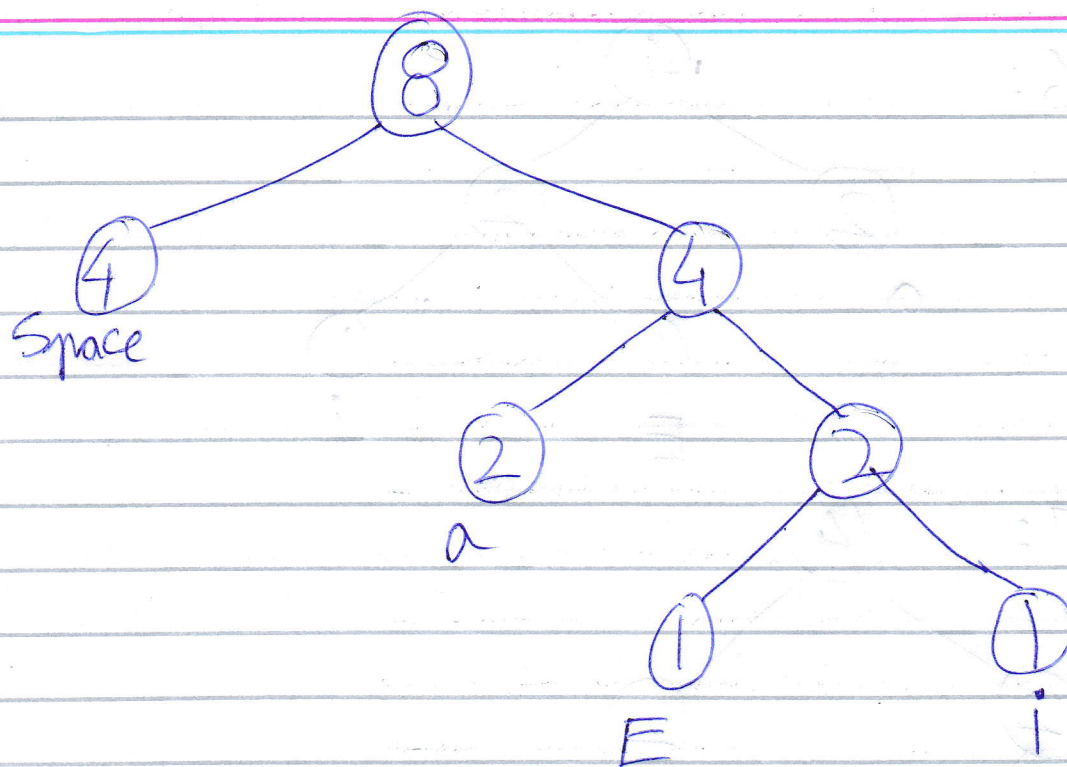


Step 8:

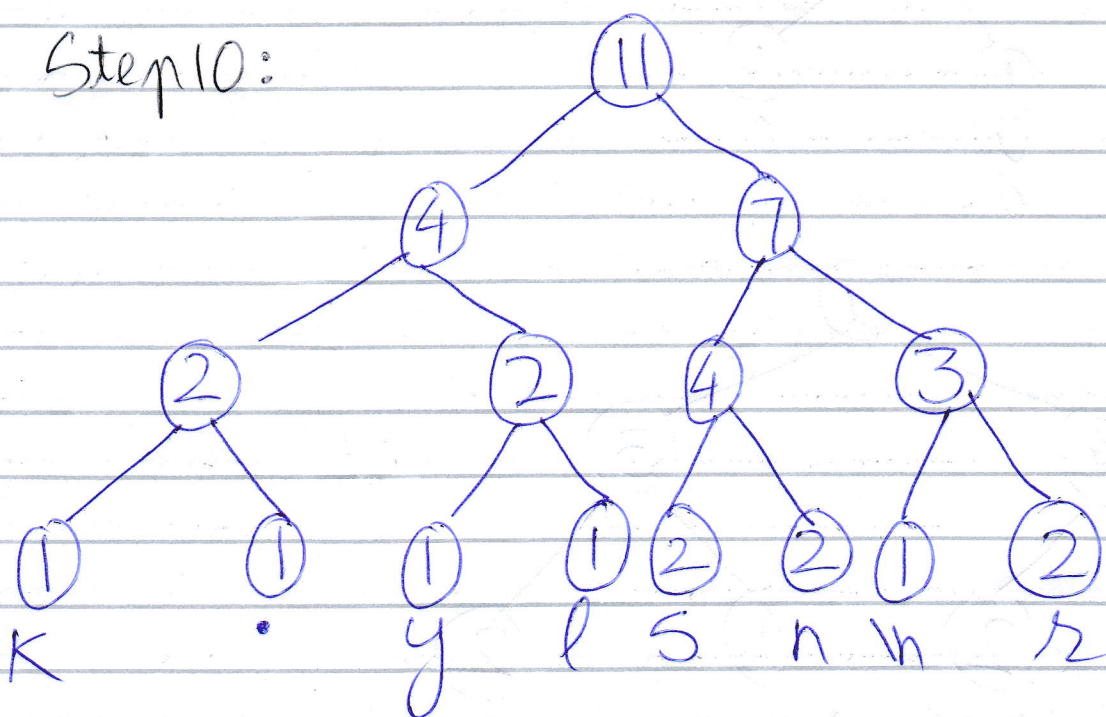




Step 9:

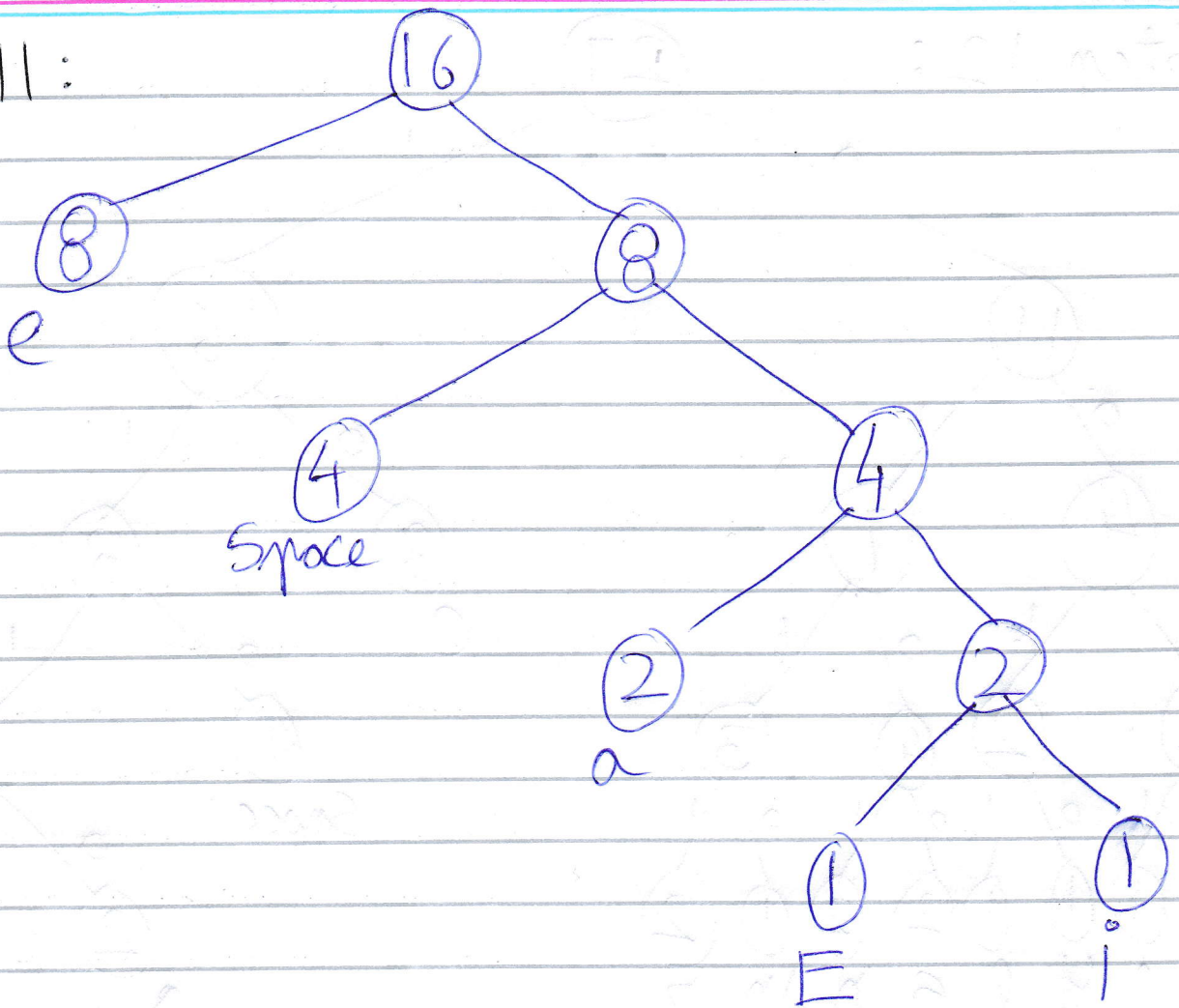


Step 10:

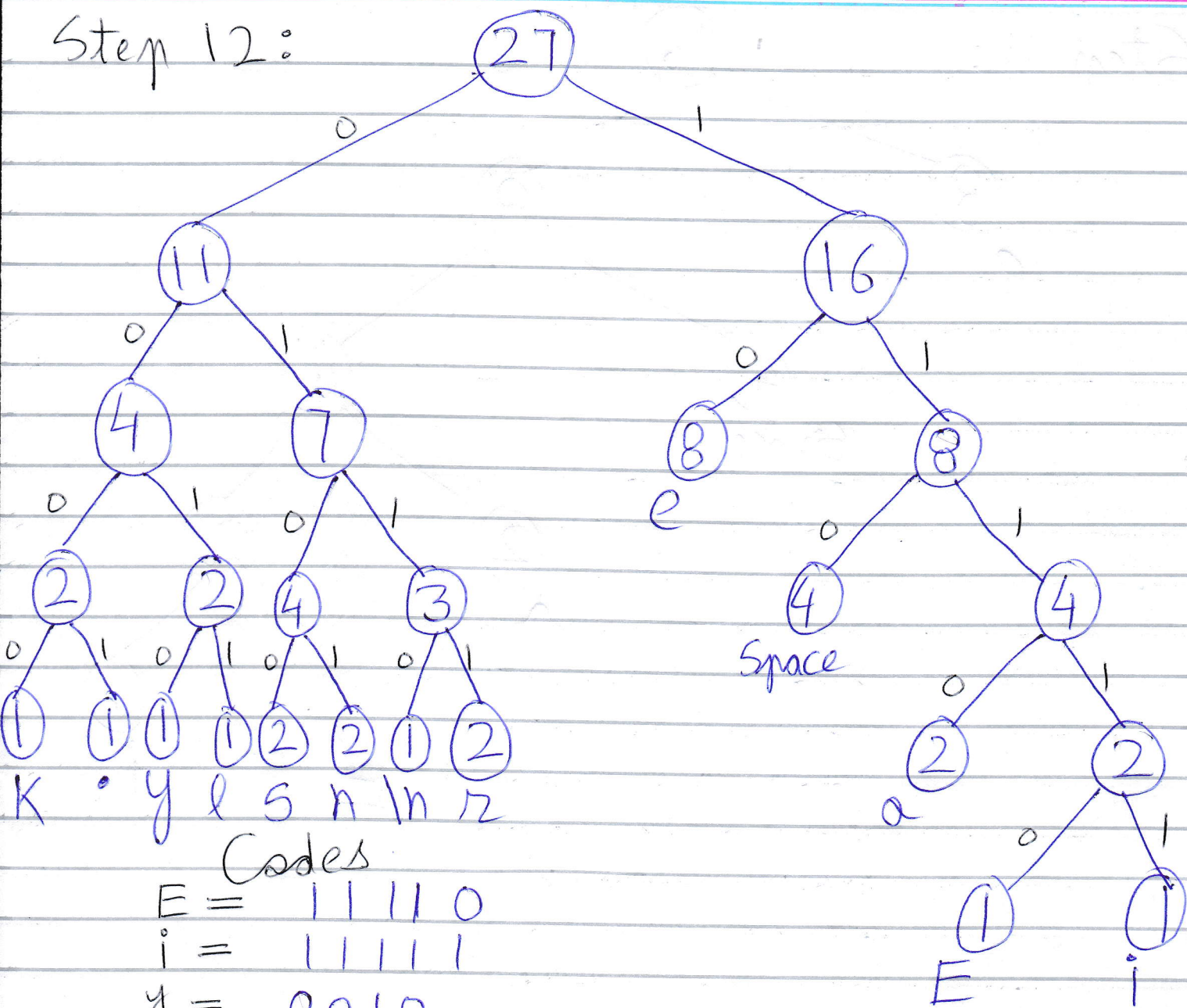


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Step 11:



Step 12:





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Original Message: Eerie eyes seen near lake.

Encoded Message:

11110 10 0111 1111 10 110 10 0010 10 0100  
E e r i e space e y e s

110 0100 10 10 0101 110 0101 10 1110 0111  
space s e e n space n e a r

110 0011 1110 0000 10 0001 0110  
space l a k e . n