

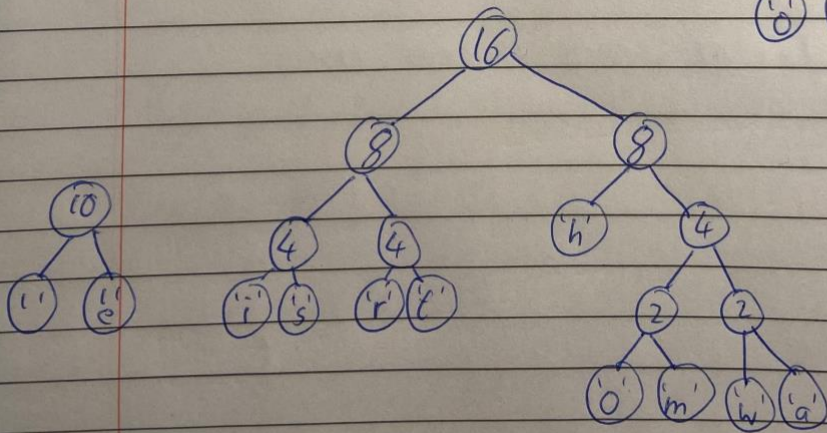
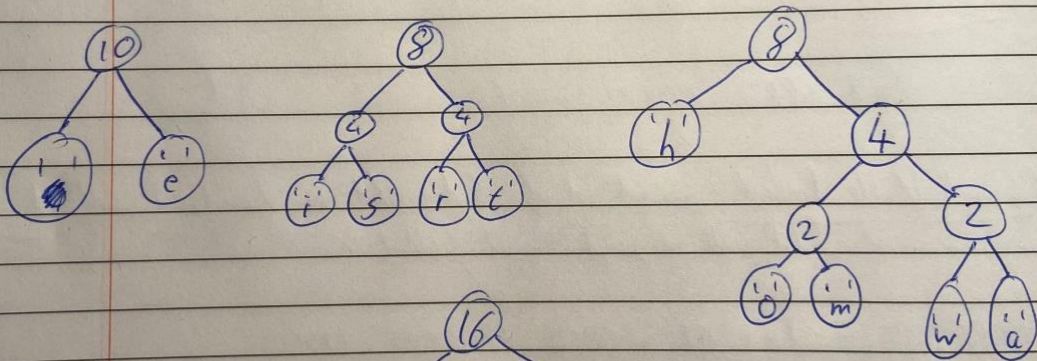
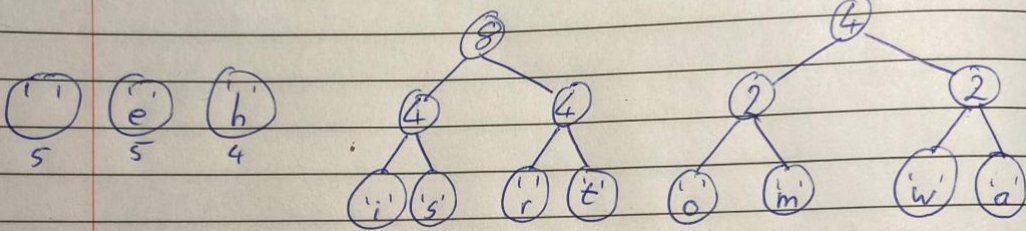
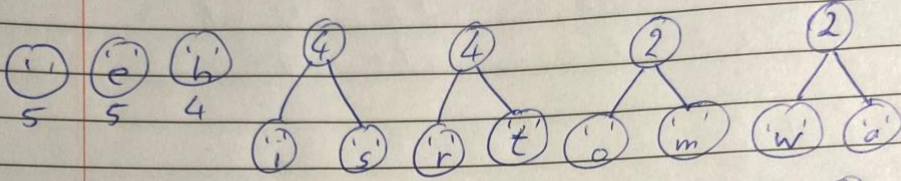
Algorithms Assignment 2
Dawid Skraba 19433692

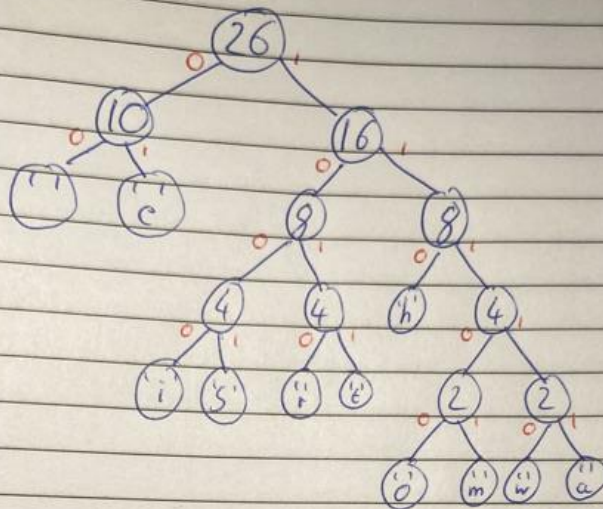
Task 1.

"Home is where the heart is"

' '	5
'e'	5
'h'	4
'i'	2
's'	2
'r'	2
't'	2
'o'	1
'm'	1
'w'	1
'a'	1

i e h i s r t o m w a
5 5 4 2 2 2 2 1 1 1 1





char	binary
'i'	00
'e'	01
'h'	110
'i'	1000
's'	1001
'r'	1010
't'	1011
'o'	11100
'm'	11101
'w'	11110
'a'	11111

110 11100 11101 0100 1000 100100 1110 11001 10100100 1011100100
 'h' 'o' 'm' 'e' 'i' 's' 'w' 'h' 'e' 'r' 'e' 't' 'h' 'e'

11001 1111 1010 101100 10001001
 'h' 'e' 'a' 'r' 't' 'i' 's'

=> 84 bits