INFSCI 2500 Homework 6

Enter a message to encode > the quick fox jumps over the lazy brown dog

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Enter a message to encode >
hello world
Huffman codes for this message:
d 1111
e 011
h 010
l 10
o 00
r 1110
w 1101
Encoded message: 010011101000110011010011111
Fixed-width encoding of this message would require 88 bits.
After Huffman encoding, the message takes up 32 bits, a savings of 63.64%
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```
the quick fox jumps over the laz
Huffman codes for this message:
    00
a 111010
b 101101
c 01001
d 111111
e 1010
f 01111
g 10001
h 10111
i 01100
j 101100
k 111100
l 01110
m 01010
n 01011
o 1100
p 110110
q 110111
t 11100
s 01101
t 11110
w 11011
t 11100
v 111110
w 111110
w 11011
t 11000
v 110110
r 11001
v 111110
m 11001
v 111110
m 11101
s 01101
t 11000
v 110110
c 11001
v 111110
m 11101
c 10000
c 111011
```