

Applied Algorithm Assignment-5

Discussion(Huffman Coding)

- I have used 32 characters for my Huffman Coding.
- The text was encoded using 1774689 bits with Huffman encoding.
- The text had 415562 valid characters.
- Using a 5-bit fixed length encoding, this would have been 2077810 bits long.
- So, we saved 303121 bits!

Huffman Code

00
n 0100
c 01010
y 010110
p 010111
o 0110
s 0111
d 10000
u 100010
b 100011
a 1001
m 10100
h 10101
x 101100000
? 1011000010000
! 1011000010001
' 101100001001
z 10110000101
q 1011000011
v 10110001
j 1011001
w 101101
, 101110
g 101111
r 1100

f 1101000
k 1101001
. 110101
i 11011
e 1110
l 11110
t 11111