

Huffman Coding Visualizer

Input

this is sample date of file, which will be compressed using huffman coding

Choose File No file chosen

Uploading a file will replace the current text.

Frequency Table

Char	Frequency	Code
t	2	00011
h	4	0100
i	7	001
s	6	1010
u	13	111
a	3	10011
m	3	11000
p	2	01110
l	4	0101
e	6	1011
d	3	11001
o	3	11010
f	4	0110
,	1	100100
w	2	01111
c	3	11011
b	1	100101
r	1	00010
u	2	10000
n	3	0000
g	2	10001

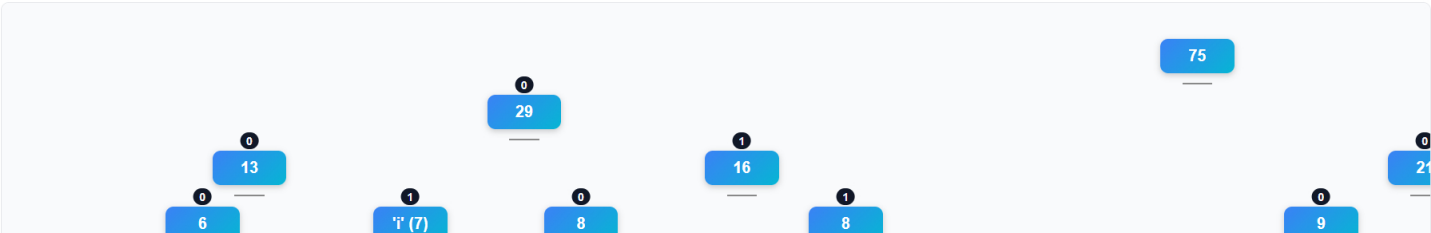
Compressed Output

0001101000011010111001101011110101001110000110010110111111001001100111111101001101110110010101101111100100111011101000011101101001110110100001101101101001100001100111101001000010001111010010000110011011000100110000111110111101011001001000010001

Size Comparison

Original size: **600** bits
Compressed size: **310** bits
Compression ratio: **51.67%**
Space saved: **48.33%**

Huffman Tree



0
'n' (3)

1
3
0
'r' (1)
1
't' (2)

0
'h' (4)
1
't' (4)

0
'r' (4)

1
4
0
'p' (2)
1
'w' (2)

0
4
0
'u' (2)
1
'g' (2)

1
5
0
2
0
';' (1)
1
'b' (1)