

## 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

## Size Comparison

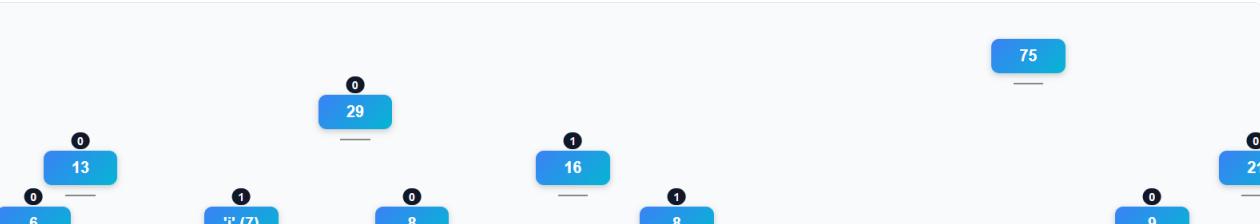
Original size: **600** bits

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

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

0  
4  
1  
2  
0  
'i' (1)  
1  
'b' (5)