


Sketch, draw, or write down a Huffman Coding Tree for the following Letter Frequency Table:

E	T	A	O	I	N
87	76	75	43	42	11


$$\text{Total} = 87 + 76 + 75 + 43 + 42 + 11 = 334$$

$$E : (87 / 334) * 100 = 26.04790$$

$$T : (76 / 334) * 100 = 22.75449$$

$$A : (75 / 334) * 100 = 22.45508$$

$$O : (43 / 334) * 100 = 12.87425$$

$$I : (42 / 334) * 100 = 12.57485$$

$$N : (11 / 334) * 100 = 3.29341$$

E: 26.04790 26.04790
T: 22.75449 22.75449
A: 22.45508 22.45508
O: 12.87425 12.87425
I: 12.57485 } → 15.86826
N: 3.29341 }



E: 26.04790 26.04790 26.04790
T: 22.75449 22.75449 22.75449
A: 22.45508 22.45508 22.45508
O: 12.87425 12.87425 28.74251
I: 12.57485 } → 15.86826 } → 28.74251
N: 3.29341 }



E: 26.04790 26.04790 26.04790 28.74251
T: 22.75449 22.75449 22.75449 26.04790
A: 22.45508 22.45508 22.45508 45.20957
O: 12.87425 12.87425 28.74251 } → 45.20957
I: 12.57485 } → 15.86826 } → 28.74251 } → 45.20957
N: 3.29341 }



E: 26.04790 26.04790 26.04790 26.04790 54.79041
T: 22.75449 22.75449 22.75449 28.74251 45.20957
A: 22.45508 22.45508 22.45508 26.04790 } → 54.79041
O: 12.87425 12.87425 28.74251 } → 45.20957
I: 12.57485 } → 15.86826 } → 28.74251 } → 45.20957
N: 3.29341 }