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Worksheet 16: Work with either ONE or TWO other students to complete this worksheet. You must work with at least one other student on this assignment, and should submit one paper.

Construct a Binary Tree for the Huffman encoding of the input string (encoding each character, including the spaces) and include the weights for each node in the tree. Also give the final codes for each character based on your encoding. (6 pts)

Character	T	H	E	" "	F	A	S	R	U	N
Frequency	3	1	9	8	3	4	5	5	1	5
Code	0110	100110	111	101	0111	1100	000	001	100111	010

Character	D	V	B	I	O	K				
Frequency	3	1	1	1	1	1				
Code	1000	110100	110101	110110	110111	110110				

"the fastest runners need never be afraid of darkness"

