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Special Studies

Task 1: Huffman Coding

We could observe that the Huffman encoding scheme outperforms the ASCII and Fixed Length encoding schemes.

DNA Files	ASCII Encoding (bits)	Fixed Length Encoding (bits)	Huffman Coding (bits)
H.pylori.dna	13342608	5003533	3656978
S.cerevisiae.dna	97256848	36471373	26631365
E.Coli.dna	44756848	16783873	12572289
L.monocytogenes.dna	23556232	8833642	6444172