Lab 8 (14 Mar 2019)

Problem 1 : Implement Huffman's greedy algorithm for encoding symbols. Take as input a list of n symbols and their corresponding frequencies. After constructing the optimal tree, your algorithm should print the encoding of each of the symbols. Also print the size of the encoded file.

Problem 2*: Write a decoder for the Huffman encoder of Problem 1. You can test your program on text files: Encode an input text file as a binary file, and then decode it, ensuring that you obtain the same file. What is the percentage of compression achieved by the encoding?