Huffman Encoding Algorithm

***6.34 Long repeated substrings.*** Write the Huffman compression algorithm for the given inputs Verify the outputs for compress().

**Note:**

Run your program as java Huffman < input001.txt | java Hexdump

**Sample Input - 1**

ABRACADABRA!

**Sample Output - 1**

50 4a 22 43 43 54 a8 40 00 00 01 8f 96 8f 94

120 bits

**Sample Input - 2**

it was the best of times it was the worst of times

**Sample Output - 2**

0b 45 de cb 20 2e 6b 7a cd 61 5d 0b 6a c5 72 b4

80 00 00 19 7e 46 f1 c0 5e 8c cd 59 df c3 1f c8

de 38 0a 35 dc cd 59 df c3 00

336 bits