# Huffman Coding

Algorithm steps for computing the probabilities of characters in a text file:

// compute the histogram

Step 0: Initialize the 1-D histogram/count array, size of 256, to zero.

Step 1: charItem get a character from text_1

 index mapping the charItem from char to int

 Hist[index] ++

Step 2: repeat step 1 until text_1 is empty

// Output pairs

Step 3: index 0

Step 4: charItem mapping index to char

Step 5: output charItem and Hist[index] as a pair to outFile

Step 6: index ++

Step 7: repeat step 4-6 until index >= 256