"C:\Program Files\Java\jdk-14.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2020.2.3\lib\idea_rt.jar=49255:C:\Program Files\JetBrains\IntelliJ IDEA 2020.2.3\bin" -Dfile.encoding=UTF-8 -classpath C:\Roux\CS5010\projects\HuffmanCodingTree\out\production\HuffmanCodingTree Driver

This is a cipher program that will encode or decode text.

You will provide a symbol -> code dictionary. This can be done either by providing it in a file or entering it here.

Please format the dictionary as 'symbol=code~symbol=code'.

Example formatting: o=0010~y=0011~s=01000.

Will you enter the dictionary at the console (Y/N)?

n

Please enter the filename for the dictionary (ex: dictionary.txt):

dictionary.txt

This is the dictionary: { =000, a=1110010, b=101000, c=111000, d=111110, e=01001, f=1100, g=10101, h=11111101, i=1110011, j=101001, k=0101, l=11010, ,=111111000, m=01101, n=01100, .=10111, o=0010, p=11011, q=10110, r=11110, s=01000, t=11101, u=0111, v=1000, w=111111001, x=1111111, y=0011, z=1001}

Do you want to encode or decode based on the input dictionary (encode / decode)?

encode

Will you enter the text at the console (Y/N)?

n

Please enter the filename for the plain text or coded text (ex: message.txt):

plaintextmessage.txt

Encoded message:
0110100110000110011100100110101001000111001101000000111001101100111001101001001000
0011010010011001110100100011110010101110000011001001110000101111001111010110100000 1
1010011000110011100101110111111101010011110101110001101111110010011101111100101111
0010010001110100100001111011100110100110111

Process finished with exit code 0