Program 1:Calculation of average code length using Huffman Coding

P=[.26 .2 .2 .15 .1 .09]

symbol=1:6

[dict,avglen]=huffmandict(symbol,p)

Program 2: Applying Huffman coding on coins.png

A=imread('coins.png');

C=imhist(A);

p=C./numel(A);

symbol=1:256

[dict,avglen]=huffmandict(symbol,p)

Program 3: Applying Huffman coding on forest.tif

B=imread('forest.tif');

D=imhist(B);

p1=D./numel(B);

symbol1=0:255

[dict,avglen]=huffmandict(symbol1,p1)

Program 3: Applying Huffman coding on code.bmp

E=imread('forest.tif');

F=imhist(E);

p2=F./numel(E);

symbol2=0:255

[dict,avglen]=huffmandict(symbol2,p2)