IVP Lab Practice Set -1 Pseudo codes Open (Imge) display (mage) flip = transpox (img) ing 2 = Ling width, = ima width(img)
height = height (img)
for i from 0 to height: for j from 0 to width num = sing 2 [j][i][0] if no num (50: elef & num > 150: Lmg 2 [i](i] = 255 desplay (ing2) img = [[2], [4,5]... a = lost (img) lig, ox = plot. subplots () blot show. image = Open (image loc) res - Empty image

image = open (image loc)

res = Gripty image

mmax = 0

mmm = 255

for y in 0, willth:

for x in 0, height:

mmax = max (image [y][x][0], mmax)

mmin = min (image [y][x][0], mmin)

lmin > 0 I max = 255 ldiff = Imege I min Im diff = m more minin los y in range 0, culothis

for x in range 0, hought;

freq [image Ey][x][0] ++ ((ldef * (i-mmin)/moleff)+lmin ew_freq [i] t= m_map(i)

in songe O, wilth:

or i range O, height:

value = int(sound (new_freq [ing [i] [i][o]))

res[][i] = [value, value, value]

= Imge Open (Imge)

1=, img2, img3.

the ev = img. cuilth

h= ing. height

in O. h: img = for i in emg emgl (1mg 3) 5wedth: , 255-g, 255-b img O, height: in O, width: 5,255,265]

Emg = Open (
7- planes = [Image] * 7.

for k in range (8):

for i in range (height):

for i in range (width):

1 = emg (i)[i][0]

nim = 3 >> k

[1][2] mnum = 3 >> k if mu/num = 1) i = 0): planes [k] [J][i] = [255,255,255] else: planes [k][j][i]=[0,0,0]. final = = New (Inge) for k in range (8) for i in range (emg. height):

for j in range (emg. cuidth

x² final (j][i][o]

y² planes [k][j][i] desplay (final) final [][i]=[x,x,x] 8- par max = max value of all pixels.

hisez = new (mage.

new-freg = (O) * (maxt) fill new freq cuith frequencies using loops.

total = no. of pixels

brob = (0) * (mex +1)

brob [i] = new - freq [i] / total for each i.

cum-prob [i] = pix rum of brob till prob [i].

roundoff [i] = cum prob [i] * moa

roundoff [i] = cum prob [i] * moa

roundoff [i] = cum prob [i] * 3 hiseg [y] [x] z soundoff [ing [y