```
global cl len
imwt=(imread('WATERMARKED LENA.bmp'));
%logo=im2bw(rgb2gray(imread('LOGOW.bmp')));
immod=imwt;
[h1,w1] = size(imwt);
%[r c]=size(logo);
cl=150;
dl=cl;cu=cl+99;du=dl+99;
x=1;
len;
t=0;
%exbitvector=reshape(logo,[1 len]);
%[mbitvector]=bitvectmodifi(bitvector);
wembedarea=imwt(cl:cu,dl:du);
[x1,y1] = size (wembedarea);
wembedareavect=reshape(wembedarea,[1 x1*y1]);
for t=1:len
           wpix=wembedareavect(1,t);
           bin=dec2bin(wpix,8);
           ia=logical(str2num(bin(1,8)));
           %tmp(t,1) = pix; %tmp(t,2) = 99999;
           exbitvector (1, x) = ia;
           % exbitvector (1, x+1) = w;
             modembedareavect(1,t)=mpix;%modembedareavect(1,t) ✓
-3;
```

```
nbitvector(x) = v;
90
          nbitvector(x+1) = w;
90
        x=x+1;
end
modembedarea=reshape(modembedareavect,[x1 y1]);
immod(cl:cu,dl:du) = (modembedarea);
%[k]=bitvectsim(bitvector, nbitvector);
%figure(1), imshow(bitvector)%bitvector
figure(1), imshow(uint8(immod)) %bitvector
exlogo=reshape(exbitvector,[r c]);
figure(2), imshow(exlogo)
xlswrite('bintmp.xls',tmp);
```