clc;

clear;

A=imread('lena\_gray\_256.tif');

subplot(2,5,1);

imshow(A);title('Ô­Ê¼Í¼Ïñ');

[m,n]=size(A);

A1 = zeros(m,n);

A2 = zeros(m,n);

A3 = zeros(m,n);

A4 = zeros(m,n);

A5 = zeros(m,n);

A6 = zeros(m,n);

A7 = zeros(m,n);

A8 = zeros(m,n);

for i=1:m

for j=1:n

A1(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A1(i,j))/2;

A2(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A2(i,j))/2;

A3(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A3(i,j))/2;

A4(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A4(i,j))/2;

A5(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A5(i,j))/2;

A6(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A6(i,j))/2;

A7(i,j) = mod(A(i,j),2);

A(i,j) = (A(i,j)-A7(i,j))/2;

A8(i,j) = mod(A(i,j),2);

end

end

subplot(2,5,2);

imshow(A8);title('µÚÒ»Î»ÃæÍ¼');

subplot(2,5,3);

imshow(A7);title('µÚ¶þÎ»ÃæÍ¼');

subplot(2,5,4);

imshow(A6);title('µÚÈýÎ»ÃæÍ¼');

subplot(2,5,5);

imshow(A5);title('µÚËÄÎ»ÃæÍ¼');

subplot(2,5,6);

imshow(A4);title('µÚÎåÎ»ÃæÍ¼');

subplot(2,5,7);

imshow(A3);title('µÚÁùÎ»ÃæÍ¼');

subplot(2,5,8);

imshow(A2);title('µÚÆßÎ»ÃæÍ¼');

subplot(2,5,9);

imshow(A1);title('µÚ°ËÎ»ÃæÍ¼');

for i=1:10

A8(i)

end