clear all

g=double(imread('D:\Shreyas\CryptoProject\lena.jpg'));

g=double(g)/255;

imshow(g)

%imhist(g)

x=g;

[m,n]=size(g);

a=[1,1;1,2];

num\_iter=input('Enter number of iterations:-');

for k=1:num\_iter

for i=1:m

for j=1:m

r=mod(a\*[i-1;j-1],m);

ggg(i,j)=g(r(1)+1,r(2)+1);

end

end

g=ggg;

end

figure

imshow(ggg)

%imhist(ggg)

for x=1:num\_iter

b = de2bi(mod((Abs(k(x))-Floor(Abs(k(x))))\*10^14,256));

format short;

b

end

for i=1:m

for j=1:m

ggg(i,j) = ggg(i,j)\*1e14;

end

end

for i=1:m

for j=1:m

ggg(i,j) = abs(ggg(i,j));

end

end

for i=1:m

for j=1:m

ggg(i,j) = floor(ggg(i,j));

end

end

B = zeros(1,65536);

k=1

disp(ggg);

for i=1:m

for j=1:m

B(k) = de2bi(mod(ggg(i,j)-floor(ggg(i,j))),256);

k=k+1;

end

end