%Backward Forward Substitution

clear all

clc

%Gaussian elimination

for p=2:2

[a,f,n,h]=M2D(p);

[l,m]=Choleskyf(a);

c=l\*l';

tic

y(1)= f(1)/l(1,1);

for i=2:m

s=0;

for j=1:i-1

s=l(i,j)\*y(j)+s;

end

y(i)=(f(i)-s)/l(i,i);

end

x(m)= y(m)/l(m,m);

for i=2:m

h=m-i+1;

s=0;

for j=h:m

s=l(j,h)\*x(j)+s;

end

x(h)=(y(h)-s)/l(h,h);

end

timeb(p)=toc;

end