

100
 1000
 10000
 1001
 111
 1110
 1001
 101
 1010
 1001
 1
 10
 100
 1000
 ...

1001
 0,0111000

\times

1011	
110	
0	
1011.	
1011.	
1000010	

```

a=[1-2-1-4;4-0--1-10;1-2-2-3;1-0-3-2]
disp(inv(a))
n=size(a,1)
c=[a,eye(n,n)]
for k=1:n-1
  for i=k+1:n
    c(i,:)=c(i,:)-((c(i,k)/c(k,k))*c(k,:))
  end
end
for k=n:-1:2
  disp('k-',k)
  for i=k-1:-1:1
    c(i,:)=c(i,:)-((c(i,k)/c(k,k))*c(k,:))
    disp(i)
  end
end
for i=1:n
  c(i,:)=c(i,+)/c(i,i)
end
disp(c)

```

Sign

Exponent

Mantissa



0

1000000010

1001000001010001111010111000010100011110101110000101

```

a=[1 -1 -3; -5 -4 -1; -3 -4 -1]
disp(a)
n=size(a,1)
m=size(a,2)
l=eye(n,m)
u=zeros(n,m)
for i=1:n
    for j=1:m
        if (i<=j) then
            s=0
            for k=1:i-1
                s=s+l(i,k)*u(k,j)
            end
            u(i,j)=a(i,j)-s
        else
            s=0
            for k=1:j-1
                s=s+l(i,k)*u(k,j)
            end
            l(i,j)=(a(i,j)-s)/u(j,j)
        end
    end
end
disp(u)
disp(l)
disp(l*u)

```