

```
close all;clear all; clc;
a = [2 3 5 23;3 4 1 14;6 7 2 26]
[m,n] = size(a);
for j = 1:m-1
    for z=2:m
        if a(j,j) ==0
            t=a(j,:);
            a(j,:) = a(z,:);
            a(z,:) = t;
        end
    end
    for i = j + 1:m
        a(i,:) = a(i,:) - a(j,:)*(a(i,j)/a(j,j));
    end
end
x = zeros(1,m);
for s = m:-1:1
    c=0;
    for k = 2:m
        c=c+a(s,k)*x(k);
    end
    x(s) = (a(s,n)-c)/a(s,s);
end
a
x'
```