

# Forward

```
function x=forward(A,b)
n=length(b);
x=zeros(n,1);
x(1)=b(1)/A(1,1);
for i=2:n
    x(i)=(b(i)-A(i,1:i-1)*x(1:i-1))/A(i,i);
end
return
```

# Backward

```
function x=backward(A,b)
n=length(b);
x=zeros(n,1);
if min(abs(diag(A)))==0
    x='Divido per zero';
    return
end
x(n)=b(n)/A(n,n);
for i=n-1:-1:1
    x(i)=(b(i)-A(i,i+1:n)*x(i+1:n))/A(i,i);
end
return
```