

Verification of echelon.m

```
>> A=[0 0 2 -2;3 3 -3 9;4 4 -2 11]; b=[2 12 12];echelon(A,b')
```

ans =

```
    1    1    0    0   17
    0    0    1    0   -5
    0    0    0    1   -6
```

```
>> A=[3 -3 3 ;2 -1 4 ;3 -5 -1];b=[9 7 7];echelon(A,b')
```

ans =

```
    1    0    3    4
    0    1    2    1
    0    0    0    0
```

```
>> A=[1 2 -1 3;2 4 -2 7 ;-1 -2 1 -4 ];b=[4 10 -6];echelon(A,b')
```

ans =

```
    1    2   -1    0   -2
    0    0    0    1    2
    0    0    0    0    0
```

```
>> A=[1 1 5 ;0 1 3 ; 1 2 8 ];b=[3 -1 3];echelon(A,b')
```

ans =

```
    1    0    2    0
    0    1    3    0
    0    0    0    1
```

```
>>
```