```
%pb 1 tema 1
a=1;b=4;c=2;
ec2(a,b,c);
a=2;b=4;c=2;
ec2(a,b,c);
a=1;b=-1;c=2;
ec2(a,b,c);
type('ec2');
```

```
x1 =

   -0.5858


x2 =

   -3.4142


x1 =

    -4


x2 =

    -4


x1 =

   0.5000 + 1.3229i


x1 =

   0.5000 - 1.3229i
```

```
function [x1,x2] = ec2(a,b,c)

d=b*b-4*a*c;
if d>=0
    x1=(-b+sqrt(d))/2*a
    x2=(-b-sqrt(d))/2*a
elseif d<0
    x1=(-b+i*sqrt(-d))/2*a
    x1=(-b-i*sqrt(-d))/2*a

end
end
```

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