

```
//compute the solutions for a 2nd order equation  
//x1,2=-b+-sqrt(b^2-4ac)/2a
```

```
start
```

```
    declare int a  
    declare int b  
    declare int c  
    declare float x1 <- 0.0  
    declare float x2 <- 0.0  
    declare int aux <- b*b  
    aux <-- 4*a*c  
    aux <- sqrt(aux)  
    x1 <-- b + aux  
    x1 <- / 2*a  
    x2 <-- b - aux  
    x2 <- / 2*a  
    write(x1,x2)
```

```
stop.
```