

```
1  2.
2  a)
3  a = 0.25
4  b = 12.68
5  c = 1.25
6  b^2 = 160.78
7  4ac = 1.25
8  b^2-4ac = 159.53
9  sqrt(b^2-4ac) = 12.630
10 -b+sqrt(b^2-4ac) = -0.05
11 x1 = -0.1
12 -b-sqrt(b^2-4ac) = -25.31
13 x2 = -50.62
14
15 relative error:
16 for x1 = |-0.1+0.098773|/0.098773 = 1227/98773 ~= 0.012422
17 for x2 = |50.62-50.621|/50.621 = 1/50621 ~= 0.000019754
18
```