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Problem 1

Pseudo code

Input a b c

If a==0{

If b==0{

If c==0{

Output infinite number of solutions}

Else Output no solutions}

Else Solve and output linear equation}

Else {

Determine discriminant

If discriminant>=0{

If discriminant==0{

Solve double root case}

Else Sove two real roots case}

Else

solve two complex roots case

}