

Solve 2 Variable of Equation



Here two equations

$$a_1x+b_1y=c_1 \quad \dots\dots\dots (i)$$

$$a_2x+b_2y=c_2 \quad \dots\dots\dots (ii)$$

solve the unknown variables that means **x** & **y**. To solve equation of two unknown variable needs at least two individual equation. You can solve this with formula of elimination, replication or cross multiplication method.

Input Format

$ax+by=c$

$dx+ey=f$

Constraints

variable coefficients denoted by putting (sign)(coeff)(x)(sign)(coeff)(y)(=)(constant)

Coefficients are may be double type.

Output Format

$x=m$ $y=n$

Need two digit after decimal point.

Sample Input 0

```
5x+6y=8
-8x+4y=4
```

Sample Output 0

```
x=0.12 y=1.24
```

Explanation 0

$5x+6y=8$ or $x=(8-6y)/5$ $-8((8-6y)/5)+4y=4$ or $y=(4-(-8(8/5)))/((-8(-6)/5)+4)$