

TI-83 Program To Solve System of Two Linear Equations Using Cramer's Rule

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1 Introduction

Here we present a program to solve the system:

$$Ax + By = C$$

$$Dx + Ey = F$$

2 Code

```
ClrHome
Disp "Solve"
Disp "AX+BY=C"
Disp "DX+EY=F"
Input "A:",A
Input "B:",B
Input "C:",C
Input "D:",D
Input "E:",E
Input "F:",F
(((BF)-(CE))/((BD)-(AE)))→X
(((CD)-(AF))/((BD)-(AE)))→Y
Disp "X:",X▷Frac
Disp "Y:",Y▷Frac
Pause
```