

File Name: CRAMER.8XP      Type: Program      Protected: No  
Comment:Program file 05/22/13, 10:28

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FnOn
PlotsOff
ClrHome
Disp "*****"
Disp ""
Disp ""
Disp " CRAMERS RULE "
Disp ""
Disp ""
Disp "*****"
Pause
ClrHome

Menu("COEFF IN MTRX A","YES",1,"NO",2)

Lbl 1
det([A])→M
Disp "NUM OF CONSTANTS"
Prompt D
Disp "ENTER CONTANTS"

If D=2
Then
Prompt C
Prompt D
det([A])→M
dim([A])→dim([B])
C→[B](1,1)
D→[B](2,1)
[A](1,2)→[B](1,2)
[A](2,2)→[B](2,2)
det([B])→N

C→[A](1,2)
D→[A](2,2)
det([A])→Q

N/M→X
Q/M→Y
ClrHome
Disp "ANSWERS ARE..."
Disp X,Y
Pause
ClrHome
End

If D=3
Then
Prompt C,D,F
[A]→[B]
det([A])→M
C→[B](1,1)
D→[B](2,1)
F→[B](3,1)
det([B])→N
[A]→[C]
C→[C](1,2)
D→[C](2,2)
```

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F→[C](3,2)
det([C])→P
[A]→[D]
C→[D](1,3)
D→[D](2,3)
F→[D](3,3)
det([D])→Q

N/M→X
P/M→Y
Q/M→Z
Disp "ANSWERS ARE..."
Disp X,Y,Z
Pause
ClrHome
End

If D=4
Then
[A]→[B]
[A]→[C]
[A]→[D]
[A]→[E]
Prompt C,D,E,F
C→[B](1,1)
D→[B](2,1)
E→[B](3,1)
F→[B](4,1)
det([B])→N
det([A])→M
C→[C](1,2)
D→[C](2,2)
E→[C](3,2)
F→[C](4,2)

det([C])→O
C→[D](1,3)
D→[D](2,3)
E→[D](3,3)
F→[D](4,3)
det([D])→P

C→[E](1,4)
D→[E](2,4)
E→[E](3,4)
F→[E](4,4)
det([E])→Q

N/M→W
O/M→X
P/M→Y
Q/M→Z
Disp W,X,Y,Z
Pause
ClrHome
End

Lbl 2
Stop

```