

```
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)
```

```

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])→0
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

```

```

Lb1 2
Stop

```