

### Exercise #3 snapshot:

```
Name
> snaps
  Det4.m
  Det5.m
  ex5.m

Command Window
>> A
A =

     5     0     -1     2
     7     -2     11     0
     6     -3     3     -5
    20    -14     13     13

>> printf("\n\nFinding minors:\n\n")

Finding minors:

>> M23 = minor4(A,2,3)
M23 = -593
>> M14 = minor4(A,1,4)
M14 = -207
>> M32 = minor4(A,3,2)
M32 = 548
>>
```

### Exercise #5 snapshot:

```
Name
> snaps
  Det4.m
  Det5.m
  ex5.m

Command Window
>> A
A =

     5     0     -1     2
     7     -2     11     0
     6     -3     3     -5
    20    -14     13     13

>> printf('\n\nCalculating determinant using second column expansion\n\n')

Calculating determinant using second column expansion

>> det4(A)
ans = 5776
>> |
```

### Exercise #7 snapshot:

```
Name
> snaps
Det4.m
Det5.m
ex5.m

Command Window
>> A
A =

    20.0000    3.6000    3.1416         0   -10.0000
     5.0000    9.0000    6.0000   -3.0000    -1.0000
         0         0    2.0000    7.0000   11.0000
     9.0000   14.0000   -12.0000    5.0000    4.0000
   122.0000   18.0000   -76.0000    4.0000   28.0000

>> printf("\n\nFinding minors:\n\n")

Finding minors:

>> M51 = minor5(A,5,1)
M51 = 1.7677e+04
>> M24 = minor5(A,2,4)
M24 = -3.1629e+05
>> |
```

### Exercise #9 snapshot:

```
Name
> snaps
Det4.m
Det5.m
ex5.m

Command Window
>> A
A =

    20.0000    3.6000    3.1416         0   -10.0000
     5.0000    9.0000    6.0000   -3.0000    -1.0000
         0         0    2.0000    7.0000   11.0000
     9.0000   14.0000   -12.0000    5.0000    4.0000
   122.0000   18.0000   -76.0000    4.0000   28.0000

>> printf('\n\nCalculating determinant using fourth row expansion\n\n')

Calculating determinant using fourth row expansion

>> det5(A)
ans = 3.2830e+06
>>
```