

```

commandwindow
clear
clc
close all
A=[1 1 -2 1 3 -1
   2 -1 1 2 1 -3
   1 3 -3 -1 2 1
   5 2 -1 -1 2 1
  -3 -1 2 3 1 3
   4 3 1 -6 -3 -2]
pro = inv(A)
B = [4;20;-15;-3;16;-27]
Ans = pro*B

```

Answers

A =

```

1 1 -2 1 3 -1
2 -1 1 2 1 -3
1 3 -3 -1 2 1
5 2 -1 -1 2 1
-3 -1 2 3 1 3
4 3 1 -6 -3 -2

```

pro =

```

-0.30282  0.15493  0.084507  0.19718  -0.10563  -0.098592
-0.5493   0.5446   0.81221  -0.21596  0.23474   0.10798
0.33099  -0.037559 -0.26291 -0.0023474  0.32864   0.25117
-0.91549  0.68545   0.79812  -0.08216  0.0023474  -0.20892
1.0915   -0.53521  -0.74648  0.091549  0.1831    0.20423
-0.15493  -0.14554  -0.018779  0.1784   0.023474  -0.089202

```

B =

4

20

-15

-3

16

-27

Ans =

1

-2

3

4

2

-1

>>