
```

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]
DAN = inv(A)
B = [4;20;-15;-3;16;-27]
Ans = DAN*B

```

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

DAN =

-0.3028	0.1549	0.0845	0.1972	-0.1056	-0.0986
-0.5493	0.5446	0.8122	-0.2160	0.2347	0.1080
0.3310	-0.0376	-0.2629	-0.0023	0.3286	0.2512
-0.9155	0.6854	0.7981	-0.0822	0.0023	-0.2089
1.0915	-0.5352	-0.7465	0.0915	0.1831	0.2042
-0.1549	-0.1455	-0.0188	0.1784	0.0235	-0.0892

B =

4
20
-15
-3
16
-27

Ans =

1.0000
-2.0000
3.0000
4.0000
2.0000

-1.0000

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