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DEPT: Mechatronics

MAT.NO: 16/ENG05/013

COURSE:ENG 281

commandwindow

clear

clc

```
A = [2 3 7 9 4; 3 7 9 12 5; 4 8 5 6 9; 5 9 2 4 5; 6 2 3 7 8];
```

```
T = A'
```

```
D = det(A)
```

```
I = inv(A)
```

```
format rat
```

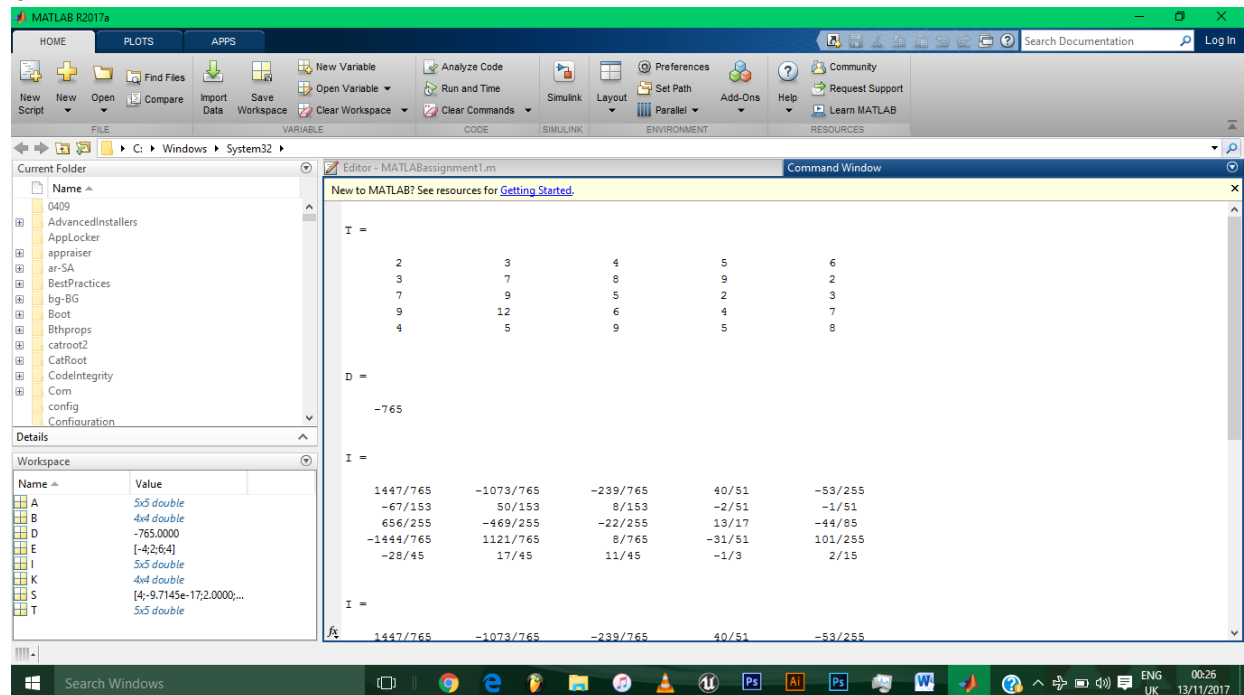
```
I
```

```
B = [0 10 4 -2; -3 -17 1 2; 1 1 1 0; 8 -34 16 -10];
```

```
E = [-4;2;6;4];
```

```
K = inv(B)
```

```
S = K * E
```



MATLAB R2017a

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appraiser
ar-SA
BestPractices
bg-BG
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Bthprops
catroot2
CatRoot
CodeIntegrity
Com
config
Configuration

Details

Workspace

| Name | Value |
|------|----------------------------|
| A | 5x5 double |
| B | 4x4 double |
| D | -765.0000 |
| E | [-4;2;6;4] |
| I | 5x5 double |
| K | 4x4 double |
| S | [4;-9.7145e-17;2.0000;...] |
| T | 5x5 double |

Editor - MATLABAssignment1.m

Command Window

New to MATLAB? See resources for [Getting Started](#).

```

I =
    1447/765    -1073/765    -239/765     40/51    -53/255
    -67/153     50/153     8/153     -2/51    -1/51
    656/255    -469/255    -22/255    13/17    -44/85
   -1444/765    1121/765     8/765    -31/51    101/255
    -28/45      17/45      11/45     -1/3      2/15

K =
    -5/28     -5/49      4/7      3/196
     1/28     -3/196     1/28     -1/98
     1/7      23/196    11/28    -1/196
    -1/28     31/196    27/28     -3/49

S =
     4
   -1/10293942005418276
     2
     6
  
```

Search Windows

00:26 13/11/2017