

Command window

```
clear
close all
clc
format short g
syms t t1 t2 t3 t4 t5 t6
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]
B = [4; 20; -15; -3; 16; -27]
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```
F21 = A(2,1)/A(1,1);
F31 = A(3,1)/A(1,1);
F41 = A(4,1)/A(1,1);
F51 = A(5,1)/A(1,1);
F61 = A(6,1)/A(1,1);
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```
A = [1 1 -2 1 3 -1
     A(2,1)-(F21*A(1,1)) A(2,2)-(F21*A(1,2)) A(2,3)-(F21*A(1,3)) A(2,4)-(F21*A(1,4)) A(2,5)-(F21*A(1,5)) A(2,6)-(F21*A(1,6))
     A(3,1)-(F31*A(1,1)) A(3,2)-(F31*A(1,2)) A(3,3)-(F31*A(1,3)) A(3,4)-(F31*A(1,4)) A(3,5)-(F31*A(1,5)) A(3,6)-(F31*A(1,6))
     A(4,1)-(F41*A(1,1)) A(4,2)-(F41*A(1,2)) A(4,3)-(F41*A(1,3)) A(4,4)-(F41*A(1,4)) A(4,5)-(F41*A(1,5)) A(4,6)-(F41*A(1,6))
     A(5,1)-(F51*A(1,1)) A(5,2)-(F51*A(1,2)) A(5,3)-(F51*A(1,3)) A(5,4)-(F51*A(1,4)) A(5,5)-(F51*A(1,5)) A(5,6)-(F51*A(1,6))
     A(6,1)-(F61*A(1,1)) A(6,2)-(F61*A(1,2)) A(6,3)-(F61*A(1,3)) A(6,4)-(F61*A(1,4)) A(6,5)-(F61*A(1,5)) A(6,6)-(F61*A(1,6))]
B = [B(1,1); B(2,1)-F21*B(1,1); B(3,1)-F31*B(1,1); B(4,1)-F41*B(1,1); B(5,1)-F51*B(1,1); B(6,1)-F61*B(1,1)]
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5 usages of 'F21' found

script



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C:\Program Files\MATLAB\R2018a\bin
Editor - C:\Users\Doumu Tariere\Documents\300lv\ENG382_ASS_3.m*
comapp1.m x math28.m x ENG382_14.m x ENG382_13.m x ENG382_ASS_1.m x ENG382_05_03.m x COMP_APP_2.m x ENG382_ASS_3.m* x ENG382_ASS_3.m* x ENG382_ASS_3.m* x
30
31 - F32= A(3,2)/A(2,2);
32 - F42 = A(4,2)/A(2,2);
33 - F52 = A(5,2)/A(2,2);
34 - F62 = A(6,2)/A(2,2);
35 - A= [A(1,1) A(1,2) A(1,3) A(1,4) A(1,5) A(1,6)
36       A(2,1) A(2,2) A(2,3) A(2,4) A(2,5) A(2,6)
37       A(3,1) A(3,2)-(F32*A(2,2)) A(3,3)-(F32*A(2,3)) A(3,4)-(F32*A(2,4)) A(3,5)-(F32*A(2,5)) A(3,6)-(F32*A(2,6))
38       A(4,1) A(4,2)-(F42*A(2,2)) A(4,3)-(F42*A(2,3)) A(4,4)-(F42*A(2,4)) A(4,5)-(F42*A(2,5)) A(4,6)-(F42*A(2,6))
39       A(5,1) A(5,2)-(F52*A(2,2)) A(5,3)-(F52*A(2,3)) A(5,4)-(F52*A(2,4)) A(5,5)-(F52*A(2,5)) A(5,6)-(F52*A(2,6))
40       A(6,1) A(6,2)-(F62*A(2,2)) A(6,3)-(F62*A(2,3)) A(6,4)-(F62*A(2,4)) A(6,5)-(F62*A(2,5)) A(6,6)-(F62*A(2,6))]
41 - B= [B(1,1); B(2,1); B(3,1)-F32*B(2,1); B(4,1)-F42*B(2,1); B(5,1)-F52*B(2,1); B(6,1)-F62*B(2,1)]
42
43
44 - F43= A(4,3)/A(3,3);
45 - F53 = A(5,3)/A(3,3);
46 - F63 = A(6,3)/A(3,3);
47 - A = [ A(1,1) A(1,2) A(1,3) A(1,4) A(1,5) A(1,6)
48         A(2,1) A(2,2) A(2,3) A(2,4) A(2,5) A(2,6)
49         A(3,1) A(3,2) A(3,3) A(3,4) A(3,5) A(3,6)
50         A(4,1) A(4,2) A(4,3)-(F43*A(3,3)) A(4,4)-(F43*A(3,4)) A(4,5)-(F43*A(3,5)) A(4,6)-(F43*A(3,6))
51         A(5,1) A(5,2) A(5,3)-(F53*A(3,3)) A(5,4)-(F53*A(3,4)) A(5,5)-(F53*A(3,5)) A(5,6)-(F53*A(3,6))
52         A(6,1) A(6,2) A(6,3)-(F63*A(3,3)) A(6,4)-(F63*A(3,4)) A(6,5)-(F63*A(3,5)) A(6,6)-(F63*A(3,6))]
53 - B = [B(1,1); B(2,1); B(3,1); B(4,1)-F43*B(3,1); B(5,1)-F53*B(3,1); B(6,1)-F63*B(3,1)]
54
55 - F54 = A(5,4)/A(4,4);
56 - F64 = A(6,4)/A(4,4);

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54
55 - F54 = A(5,4)/A(4,4);
56 - F64 = A(6,4)/A(4,4);
57 - A = [ A(1,1) A(1,2) A(1,3) A(1,4) A(1,5) A(1,6)
58         A(2,1) A(2,2) A(2,3) A(2,4) A(2,5) A(2,6)
59         A(3,1) A(3,2) A(3,3) A(3,4) A(3,5) A(3,6)
60         A(4,1) A(4,2) A(4,3) A(4,4) A(4,5) A(4,6)
61         A(5,1) A(5,2) A(5,3) A(5,4)-(F54*A(4,4)) A(5,5)-(F54*A(4,5)) A(5,6)-(F54*A(4,6))
62         A(6,1) A(6,2) A(6,3) A(6,4)-(F64*A(4,4)) A(6,5)-(F64*A(4,5)) A(6,6)-(F64*A(4,6))]
63 - B = [B(1,1); B(2,1); B(3,1); B(4,1); B(5,1)-F54*B(4,1); B(6,1)-F64*B(4,1)]
64
65 - F65 = A(6,5)/A(5,5)
66 - A = [ A(1,1) A(1,2) A(1,3) A(1,4) A(1,5) A(1,6)
67         A(2,1) A(2,2) A(2,3) A(2,4) A(2,5) A(2,6)
68         A(3,1) A(3,2) A(3,3) A(3,4) A(3,5) A(3,6)
69         A(4,1) A(4,2) A(4,3) A(4,4) A(4,5) A(4,6)
70         A(5,1) A(5,2) A(5,3) A(5,4) A(5,5) A(5,6)
71         A(6,1) A(6,2) A(6,3) A(6,4) A(6,5)-(F65*A(5,5)) A(6,6)-(F65*A(5,6))]
72 - B = [B(1,1); B(2,1); B(3,1); B(4,1); B(5,1); B(6,1)-(F65*B(5,1))]
73 - T6 = B(6,1)/A(6,6)
74 - T5 = (B(5,1)-(A(5,6)*T6))/A(5,5)
75 - T4 = (B(4,1)-(A(4,5)*T5)-(A(4,6)*T6))/A(4,4)
76 - T3 = (B(3,1)-(A(3,4)*T4)-(A(3,5)*T5)-(A(3,6)*T6))/A(3,3)
77 - T2 = (B(2,1)-(A(2,3)*T3)-(A(2,4)*T4)-(A(2,5)*T5)-(A(2,6)*T6))/A(2,2)
78 - T1 = (B(1,1)-(A(1,2)*T2)-(A(1,3)*T3)-(A(1,4)*T4)-(A(1,5)*T5)-(A(1,6)*T6))/A(1,1)
79
80

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