

```
1 commandwindow
2 clear
3 clc
4 close all
5 A=[1 4 7;2 5 8;3 6 9]
6 B=[10 13 16;11 14 17;12 15 18]
7 X=[A;B]
8 Y=[A,B]
```

Current Folder

- arch
- m3iregistry
- registry
- util
- win32
- win64
- deploytool.bat
- lcdata.xml

Workspace

Name	Value
A	[1,4,7;2,5,8;3,6,9]
B	[10,13,16;11,14,17;12,15,18]
X	6x3 double
Y	3x6 double

Command Window

```
X =
     1     4     7
     2     5     8
     3     6     9
    10    13    16
    11    14    17
    12    15    18

Y =
     1     4     7    10    13    16
     2     5     8    11    14    17
     3     6     9    12    15    18

fx >>
```



A =

1	4	7
2	5	8
3	6	9

B =

10	13	16
11	14	17
12	15	18

X =

1	4	7
2	5	8
3	6	9
10	13	16
11	14	17
12	15	18

Y =

1	4	7	10	13	16
2	5	8	11	14	17
3	6	9	12	15	18

*fx* >>

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$$A = \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{pmatrix} \quad B = \begin{pmatrix} 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

`X = stack(A,B)`

$$X = \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \\ 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

+

`Y = augment(A,B)`

$$Y = \begin{pmatrix} 1 & 4 & 7 & 10 & 13 & 16 \\ 2 & 5 & 8 & 11 & 14 & 17 \\ 3 & 6 & 9 & 12 & 15 & 18 \end{pmatrix}$$