

$$a := \begin{pmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{pmatrix}$$

$$b := \begin{pmatrix} 10 & 13 & 16 \\ 11 & 14 & 17 \\ 12 & 15 & 18 \end{pmatrix}$$

$$y := \text{stack}(a, b)$$

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

$$x := \text{augment}(a, b)$$

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

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```
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1 - commandwindow
2 - clear
3 - clc
4 - a=[1 4 7;2 5 8;3 6 9];
5 - b=[10 13 16;11 14 17;12 15 18];
6 - x=[a,b]
7 -
8 - y=[a;b]
```

Command Window

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

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

fx >> |
```