

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

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

$$Y = \text{augment}(A, B)$$

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

$$X = \text{stack}(A, B)$$

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

18/eng06/028

```
Untitled1.m = xlab(m) = Untitled2.m = +
1 - Ifeanyi-Obi Ifeanyi
2 - 18/Eng06/028
3
4
5 - commandwindow
6 - clear
7 - tic
8 - A = [1 4 7; 2 5 8; 3 6 9]
9 - B = [10 13 16; 11 14 17; 12 15 18]
10 - Y = [A, B]
11 - X = [A ; B]
```

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Command Window

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