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1 %NAME: ALE-ALABA OLUWASEUN OLUMIDE
2 %MATIC: 19/ENG06/064
3 %DEPT: MECHANICAL
4 - commandwindow
5 - clc
6 - clear
7 - A = [1 4 7 ; 2 5 8 ; 3 6 9]
8 - B = [10 13 16 ; 11 14 17 ; 12 15 18]
9 - X = [A,B]
10 - Y = [A;B]
```

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

$\sqrt{x}$

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DEPT; MECHANICAL

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

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

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

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

+

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

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