

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

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

`c := augment(A,B)`

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

`d := stack(A,B)`

+

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



```
>> A =[ 1 4 7 ; 2 5 8 ; 3 6 9 ]
```

```
A =
```

1	4	7
2	5	8
3	6	9

```
>> B =[ 10 13 16 ; 11 14 17 ; 12 15 18 ]
```

```
B =
```

10	13	16
11	14	17
12	15	18

```
>> C =[ A ; B ]
```

```
C =
```

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

```
>> D =[ A B]
```

```
D =
```

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

```
>>
```