

TAILO AJIBOLA EMMANUEL

19/ENG01/024

CHEMICAL ENGINEERING

MAT ENG 282 ASSIGNMENT

MATHECAD SOLUTION

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

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

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

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

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

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

MATLAB SOLUTION

Command window

Clear

clc

$$A = [1 \ 4 \ 7; \ 2 \ 5 \ 8; \ 3 \ 6 \ 9]$$

$$B = [10 \ 13 \ 16; \ 11 \ 14 \ 17; \ 12 \ 15 \ 18]$$

$$Y = [A, B]$$

$$x = [A; B]$$