

Cases equation

Without line break before the end of equation

$$u(t) = \begin{cases} 0, & t < 0 \\ 1, & \text{otherwise} \end{cases} \quad (1)$$

With line break before the end of equation

$$u(t) = \begin{cases} 0, & t < 0 \\ 1, & \text{otherwise} \end{cases} \quad (2)$$

Bmatrix

Without line break before the end of equation $A = \begin{bmatrix} 1 & 0.9 \\ 0.9 & 4 \end{bmatrix}$

With line break before the end of equation $A = \begin{bmatrix} 1 & 0.9 \\ 0.9 & 4 \end{bmatrix}$