"Subscripted" variables

Take extreme care when using subscripted variables. There is a big difference between a scaler variable that has a subscript in the variable name, and a variable name that defines an array element.

Scaler Variable with a subscript:

\[ x_1 := 2 \]

Typed as \( x.1:2 \), when editing, will appear as \( x_1 := 2 \)  Note the . (dot)

Evaluates as: \( x_1 = 2 \)

Array Variable with subscripted address:

\[ x_1 := 3 \]

Typed as \( x[1:3] \), when editing, will appear as \( x_1 := 3 \)  Note there is no . (dot)

Evaluates (x) as: \( x = \begin{pmatrix} 0 \\ 3 \end{pmatrix} \) \( x_1 = 3 \)