

In-Class Exercise: Identity Matrix

The *identity matrix* is a special 2-D array that is square (has an equal number of rows and columns), and consists of all ones along the main diagonal, with zeroes elsewhere. For instance, the following is a 4x4 identity matrix:

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

Create a VI similar to the one shown below, which generates an identity matrix of the size requested in the numeric control.

