

The diagram illustrates the matrix equation $h(y) = A_3 \times y$. The dimensions of the matrices and vector are indicated by curly braces and labels:

- The matrix $h(y)$ (blue) has dimensions n (height) and d (width).
- The matrix A_3 (red) has dimensions n (height) and d (width).
- The vector y (red) has dimension d (width).

The equation is represented as:

$$\left\{ \begin{array}{c} n \\ \hline \end{array} \right\} \left\{ \begin{array}{c} d \\ \hline \end{array} \right\} h(y) = \left\{ \begin{array}{c} n \\ \hline \end{array} \right\} \left\{ \begin{array}{c} d \\ \hline \end{array} \right\} A_3 \times \left\{ \begin{array}{c} d \\ \hline \end{array} \right\} y$$