

$$X = \begin{array}{|c|} \hline x_i \\ \hline \end{array}$$

Diagram illustrating a variable X represented as a vector or matrix structure. The structure is a vertical rectangle divided into two horizontal sections. The top section contains the variable x_i . To the right of the rectangle is a vertical double-headed arrow labeled n , indicating the dimension or size of the structure. Below the rectangle is a horizontal double-headed arrow labeled n , indicating the width or dimension of the structure.