$$x = [\ x_0^i, x_1^i, x_2^i, \ldots, x_m^i\ ]$$

$$b = [\ b_0^i, b_1^i, b_2^i, \ldots, b_n^i\ ]$$

$$W = \begin{bmatrix} w_{0,0}^i, w_{0,1}^i, w_{0,2}^i, \ldots, w_{0,m}^i \\ w_{0,0}^i, w_{0,1}^i, w_{0,2}^i, \ldots, w_{0,m}^i \\ w_{0,0}^i, w_{0,1}^i, w_{0,2}^i, \ldots, w_{0,m}^i \\ \vdots \\ w_{n,0}^i, w_{n,1}^i, w_{n,2}^i, \ldots, w_{n,m}^i \end{bmatrix}$$