

$$A_{\equiv j} = \left[\begin{array}{c} \text{Scalar} \\ \underline{a}^{(r_1)} \\ \vdots \\ \underline{a}^{(r_{\alpha l})} \\ \underline{b}^{(\epsilon(j-1)+1)} \\ \vdots \\ \underline{b}^{(\epsilon j)} \end{array} \right] \left| \begin{array}{c} \text{Vector} \\ \underline{A}^{(r_1)} \\ \vdots \\ \underline{A}^{(r_{\alpha l})} \\ \underline{B}^{(\epsilon(j-1)+1)} \\ \vdots \\ \underline{B}^{(\epsilon j)} \end{array} \right] A_{\equiv j} =$$