$$\begin{array}{c|cccc} \mathbf{A_1} & \mathbf{A_{\lambda+1}} & \ldots & \mathbf{A_{(g-1)\lambda+1}} \\ \hline \mathbf{A_2} & \mathbf{A_{\lambda+2}} & \ldots & \mathbf{A_{(g-1)\lambda+2}} \\ \vdots & \vdots & \ddots & \vdots \\ \mathbf{A_\lambda} & \mathbf{A_{2\lambda}} & \ldots & \mathbf{A_K} \end{array}$$