

$$\mathbf{K}_3 = \begin{bmatrix} \begin{matrix} K_{11}^{(3)} & K_{12}^{(3)} \\ K_{21}^{(3)} & K_{22}^{(3)} \end{matrix} & \begin{matrix} K_{13}^{(3)} & K_{14}^{(3)} \\ K_{23}^{(3)} & K_{24}^{(3)} \end{matrix} \\ \begin{matrix} K_{31}^{(3)} & K_{32}^{(3)} \\ K_{41}^{(3)} & K_{42}^{(3)} \end{matrix} & \begin{matrix} K_{33}^{(3)} & K_{34}^{(3)} \\ K_{43}^{(3)} & K_{44}^{(3)} \end{matrix} \end{bmatrix} \begin{matrix} 7 \\ 8 \\ 1 \\ 2 \end{matrix}$$

$$\mathbf{K} = \begin{bmatrix} \boxed{K_{11}} & \boxed{K_{12}} & K_{13} & K_{14} & K_{15} & K_{16} & \boxed{K_{17}} & \boxed{K_{18}} \\ \boxed{K_{21}} & \boxed{K_{22}} & K_{23} & K_{24} & K_{25} & K_{26} & \boxed{K_{27}} & \boxed{K_{28}} \\ K_{31} & K_{32} & K_{33} & K_{34} & K_{35} & K_{36} & K_{37} & K_{38} \\ K_{41} & K_{42} & K_{43} & K_{44} & K_{45} & K_{46} & K_{47} & K_{48} \\ K_{51} & K_{52} & K_{53} & K_{54} & K_{55} & K_{56} & K_{57} & K_{58} \\ K_{61} & K_{62} & K_{63} & K_{64} & K_{65} & K_{66} & K_{67} & K_{68} \\ \boxed{K_{71}} & \boxed{K_{72}} & K_{73} & K_{74} & K_{75} & K_{76} & \boxed{K_{77}} & \boxed{K_{78}} \\ \boxed{K_{81}} & \boxed{K_{82}} & K_{83} & K_{84} & K_{85} & K_{86} & \boxed{K_{87}} & \boxed{K_{88}} \end{bmatrix}$$