

$$\begin{aligned}
\text{Cube } x &= \left(\text{Matrix } \mathbf{A}^{(1,1)} \text{ Matrix } \Phi^{(1,1)} \right) \text{Cube } I_{3,R^{(1)}} \left(\text{Matrix } \mathbf{A}^{(1,2)} \text{ Matrix } \Phi^{(1,2)} \right) + \dots + \\
&\quad \left(\text{Matrix } \mathbf{A}^{(P,1)} \text{ Matrix } \Phi^{(P,1)} \right) \text{Cube } I_{3,R^{(P)}} \left(\text{Matrix } \mathbf{A}^{(P,2)} \text{ Matrix } \Phi^{(P,2)} \right) \\
&\quad + \left(\text{Matrix } \mathbf{A}^{(1,3)} \text{ Matrix } \Phi^{(1,3)} \right) + \dots + \left(\text{Matrix } \mathbf{A}^{(P,3)} \text{ Matrix } \Phi^{(P,3)} \right)
\end{aligned}$$