

$$\left( \underbrace{\begin{array}{ccc} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{array}}_A \parallel \underbrace{\begin{array}{c} 0 \\ \mathbf{k}_{up} \\ \mathbf{k}_{up} \end{array}}_{B^T} \right)$$


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$$\left( \begin{array}{ccc} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{array} \parallel \begin{array}{c} 0 \\ \mathbf{k}_{up} \\ \mathbf{k}_{up} \end{array} \right)$$

(1)