

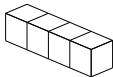
$$(\mathbf{1} \oplus \mathbf{a} \oplus \mathbf{b})^2 =$$

Rank 0 Contribution



$$\mathbf{1} \otimes \mathbf{1}$$

\oplus



$$\mathbf{a} \otimes \mathbf{1}$$

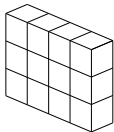
\oplus



$$\mathbf{1} \otimes \mathbf{b}$$

Rank 1 Contributions

\oplus



$$\mathbf{a} \otimes \mathbf{b}$$

Rank 2 Contribution