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$$L', L, J, M, M', L_m = (-1)^{M' + m + 1}$$

$$\begin{pmatrix} L & L' & 0 \\ 0 & 0 & 0 \end{pmatrix} \begin{Bmatrix} L & J & J \\ \frac{1}{2} & L & L' \end{Bmatrix} \begin{pmatrix} L & J & J \\ L & M' & M \end{pmatrix}$$

$$(2J+1)(2L+1)\sqrt{(2L+1)(2L+1)}$$

