## Virtual Work Integration Table (v i.o)

The values in the table represent the integration of the product of the two shapes with a common length $L$ :

$$
\int_{0}^{L} M Q d x \quad \begin{array}{r}
\text { Note: Direction is important (i.e. which side of the shape is the low end and which is the high end). } \\
\text { For trapezoids, either left or right side may be high (depending on the value of } \left.M_{a} / M_{b}\right)
\end{array}
$$



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