

$$\begin{aligned}
& 10 \cdot \{2 + 3 \cdot [4 + 5 \cdot (7 + 3)]\} = \\
& = 10 \cdot [2 + 3 \cdot (4 + 5 \cdot 10)] = \\
& = 10 \cdot [2 + 3 \cdot (4 + 50)] = \\
& = 10 \cdot (2 + 3 \cdot 54) = \\
& = 10 \cdot (2 + 162) = \\
& = 10 \cdot 164 = \\
& = \mathbf{1\ 640}
\end{aligned}$$