

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