

$$\begin{array}{ccccc}
x_1 \otimes (x_1 \otimes (x_1 \otimes x_1)) & \longrightarrow & (x_1 \otimes x_1) \otimes (x_1 \otimes x_1) & \longrightarrow & (x_1 \otimes x_1) \otimes x_1 \otimes x_1 \\
\downarrow & & & & \uparrow \\
x_1 \otimes ((x_1 \otimes x_1) \otimes x_1) & \longrightarrow & & \longrightarrow & (x_1 \otimes (x_1 \otimes x_1)) \otimes x_1
\end{array}$$