

$$\begin{array}{c}
 a \\
 \uparrow f \\
 b \\
 \downarrow g \\
 c
 \end{array}
 \quad \mapsto \quad
 \begin{array}{ccccc}
 La & \xrightarrow{\text{id}} & La & \xleftarrow{\text{id}} & La \\
 \uparrow Lf & & \uparrow Lf & & \uparrow Lf \\
 Lb & \xrightarrow{\text{id}} & Lb & \xleftarrow{\text{id}} & Lb \\
 \downarrow Lg & & \downarrow Lg & & \downarrow Lg \\
 Lc & \xrightarrow{\text{id}} & Lc & \xleftarrow{\text{id}} & Lc
 \end{array}$$