$$
\begin{array}{rcl}
H \longleftarrow H \uparrow J \rightarrow L \rightarrow H & \mid & \uparrow \\
J \longleftarrow J \leftarrow K \leftarrow H \uparrow J & \mid & \uparrow \\
K \longleftarrow K \downarrow L \leftarrow J \leftarrow K & \mid & \downarrow \\
L \longleftarrow L \rightarrow H \rightarrow K \downarrow L & \mid & \downarrow
\end{array}
$$