

$$\begin{array}{ccccc}
 G & \longrightarrow & \mathrm{Ad}[N] & \longrightarrow & \mathrm{Ad} \\
 \downarrow & & & & \downarrow \\
 G & \longrightarrow & A[N] & \longrightarrow & \mathrm{Ad}
 \end{array}$$