$$\begin{array}{c} P_0 \\ \downarrow \\ \alpha_1 - \beta_1 - h_0 d_1^P \end{array}$$

$$Q_2 \xrightarrow{\begin{subarray}{c} h_1 \\ \downarrow \\ \alpha_1 - \beta_1 - h_0 d_1^P \end{subarray}} 0$$