

$$\begin{array}{cc} c & a \\ & \nearrow \nwarrow \\ & q_0 \end{array}$$

A diagram of a vertex labeled q_1 . It has two incoming edges: one labeled c from the top-left and one labeled a from the top-right. It has two outgoing edges: one labeled b to the bottom-left and one labeled d to the bottom-right. The edges are represented by lines with arrows indicating direction.

$$\begin{array}{ccc} & \cdots & \\ & d \searrow & \nearrow a \\ \cdots & q_k & = q \end{array}$$

$$c/d \setminus \begin{matrix} \cdots \\ \cdots \end{matrix} \nearrow a$$

$$\cdots q_{k+p} = q$$

$$\begin{array}{ccc} & \cdots & \\ c & \nearrow & a \\ \cdot q_{k+2p} & = & q \end{array}$$

$$\begin{array}{c} \swarrow C \quad \searrow C \\ q_{k+3p} \end{array}$$