$$E_1^{\mathfrak{A}}$$

$$P_1^{\mathfrak{A}} \qquad P_0^{\mathfrak{A}}$$

$$E_1^{\mathfrak{B}}$$

$$P_1^{\mathfrak{B}} \qquad P_0^{\mathfrak{B}}$$

$$a$$

$$\mathfrak{A} \in S_1 \qquad \mathfrak{B} \in T_1$$