$$Q = \left\{ \begin{array}{c} a_1 \\ \vdots \\ a_n \end{array} \right\} \quad \text{then} \quad \widetilde{T}_1 = \left\{ \begin{array}{c} a_1 \\ \vdots \\ r_1 \end{array} \right\}, \quad \widetilde{T}_2 = \left\{ \begin{array}{c} a_1 \\ \vdots \\ r_2 \end{array} \right\}$$