$$\sigma_1'' \quad \sigma_2'' \quad \sigma_3'' \quad \sigma_4'' \quad \cdots \quad \sigma_\mathcal{L}''$$

$$1 \quad a_1 \quad a_2 \quad a_3 \quad a_4 \quad \cdots \quad a_{\mathcal{L}-1} \quad 1$$

$$\sigma_1' \quad \sigma_2' \quad \sigma_3' \quad \sigma_4' \quad \sigma_\mathcal{L}'$$