$$\begin{array}{c} \sigma_{1} \quad \sigma_{2} \quad \sigma_{\mathcal{L}} \\ \downarrow 1 \quad m_{1} \quad m_{2} \quad \cdots \\ \sigma_{1} \quad \sigma_{2} \quad \sigma_{2\mathcal{L}} \end{array} \begin{array}{c} \sigma_{1} \quad \sigma_{2} \quad \sigma_{\mathcal{L}} \\ \downarrow 1 \quad m_{1} \quad m_{2} \quad \cdots \\ \sigma_{1} \quad \sigma_{2} \quad \cdots \\ \sigma_{1} \quad \sigma_{2} \end{array} \begin{array}{c} \sigma_{\mathcal{L}} \\ \downarrow 1 \quad m_{1} \quad m_{2} \quad \cdots \\ \sigma_{1} \quad \sigma_{2} \quad \cdots \\ \sigma_{2} \\ \sigma_{2} \end{array}$$

 $m_{2\ell-2} \rightarrow m_{\ell}$