$$G(\epsilon_{\pm}) = \int_{\mathbb{F}} d^2\tau \, G^{\text{bos}}(\epsilon_-, \epsilon_+) \frac{1}{\eta^4 \bar{\eta}^{24}} \frac{1}{2} \sum_{h,g=0}^{1} G^{\text{ferm}}{\begin{bmatrix} h \\ g \end{bmatrix}}(\check{\epsilon}_+) Z{\begin{bmatrix} h \\ g \end{bmatrix}} \Gamma_{(2,2+8)}(T, U, Y)$$