

$$\begin{aligned}
& M \underset{\infty}{\triangleleft}^{\#} \overline{M} \trianglelefteq \underline{\mathbb{H}} \xleftarrow{M:z \underset{\infty}{\triangleleft}^{\#} \underbrace{\overline{M} \trianglelefteq \underline{\mathbb{H}}:()^a}} M \underset{\infty}{\triangleleft}^{\#} \overline{M} \trianglelefteq \underline{\mathbb{H}} \\
& M:z \underset{\infty}{\triangleleft}^{\#} \underbrace{\overline{M} \trianglelefteq \underline{\mathbb{H}}:()^a} \rtimes M:w \underset{\infty}{\triangleleft}^{\#} \underbrace{\overline{M} \trianglelefteq \underline{\mathbb{H}}:()^b} = \frac{4\pi}{k} \delta^{ab} \delta^2(z-w)
\end{aligned}$$