

$$\begin{aligned}
\mathcal{L} = & -\frac{1}{4}F_{\mu\nu}F^{\mu\nu} \\
& + i\bar{\psi}\not{D}\psi + h.c. \\
& + \bar{\psi}_iy_{ij}\psi_j\phi + h.c. \\
& + |D_\mu\phi|^2 - V(\phi)
\end{aligned}$$