$$Z = \frac{1}{4} F^{\mu\nu} F^{\mu\nu} + h.c.$$

$$+ \Psi^{\mu} \Psi + h.c.$$

$$+ \Psi^{\mu} \Psi^{\mu} \Psi + h.c.$$

$$+ |D_{\mu} \varphi|^2 - V(\varphi)$$