$$\begin{split} &-\frac{1}{2}\partial_{\nu}g_{h}^{\alpha}\partial_{\nu}g_{h}^{\alpha} - g_{s}f^{abc}\partial_{\mu}g_{b}^{\alpha}g_{b}^{\beta}g_{b}^{-} - \frac{1}{4}g_{s}^{2}f^{abc}f^{ade}g_{\mu}^{\beta}g_{\nu}^{\beta}g_{\mu}^{\beta}g_{\nu}^{\beta} + \\ &\frac{1}{2}ig_{s}^{2}(\overline{q}_{i}^{\alpha}\gamma^{\mu}q_{j}^{\alpha})g_{\mu}^{\alpha} + \overline{G}^{a}\partial^{2}G^{a} + g_{s}f^{abc}\partial_{\mu}\overline{G}^{a}G^{b}g_{\mu}^{c} - \partial_{\nu}W_{\mu}^{+}\partial_{\nu}W_{\mu}^{-} - \\ M^{2}W_{\mu}^{+}W_{\mu}^{-} - \frac{1}{2}\partial_{\nu}Z_{0}^{\alpha}\partial_{\nu}Z_{0}^{\alpha} - \frac{1}{2c_{w}^{2}}M^{2}Z_{\mu}^{2}Z_{\mu}^{0} - \frac{1}{2}\partial_{\mu}A_{\nu}\partial_{\mu}A_{\nu} - \frac{1}{2}\partial_{\mu}H\partial_{\mu}H - \\ &\frac{1}{2}m_{h}^{2}H^{2} - \partial_{\mu}\phi^{+}\partial_{\mu}\phi^{-} - M^{2}\phi^{+}\phi^{-} - \frac{1}{2}\partial_{\mu}\phi^{0}\partial_{\mu}\phi^{0} - \frac{1}{2c_{w}^{2}}M^{\phi}\phi^{0} - \beta_{h}[\frac{2M^{2}}{2g^{2}} + \frac{2M}{2}H + \frac{1}{2}(H^{2} + \phi^{0}\phi^{0} + 2\phi^{+}\phi^{-})] + \frac{2M^{2}}{2}\alpha_{h} - igc_{w}[\partial_{\nu}Z_{\mu}^{0}(W_{\mu}^{+}W_{\nu}^{-} - W_{\nu}^{+}\partial_{\nu}W_{\mu}^{-}) - 2v_{\nu}(W_{\mu}^{+}\partial_{\nu}W_{\mu}^{-} - W_{\mu}^{-}\partial_{\nu}W_{\mu}^{+}) + Z_{\mu}^{0}(W_{\nu}^{+}\partial_{\nu}W_{\mu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\mu}^{+}) - A_{\nu}W_{\mu}^{+}\partial_{\nu}W_{\mu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\mu}^{+}) - A_{\nu}W_{\mu}^{+}\partial_{\nu}W_{\nu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\mu}^{+}) - A_{\nu}W_{\nu}^{+}\partial_{\nu}W_{\nu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\mu}^{+}) - \frac{1}{2}g^{2}W_{\mu}^{+}W_{\nu}^{-}W_{\nu}^{+}V_{\nu}^{-} + \frac{1}{2}g^{2}W_{\mu}^{+}W_{\nu}^{-}W_{\nu}^{+}V_{\nu}^{-} + \frac{1}{2}g^{2}W_{\mu}^{+}W_{\nu}^{-}W_{\nu}^{+} - W_{\nu}^{-}\partial_{\nu}W_{\mu}^{+}) - \frac{1}{2}g^{2}W_{\mu}^{+}W_{\nu}^{-}W_{\nu}^{+} - W_{\nu}^{-} + W_{\nu}^{-}W_{\nu}^{-} + \frac{1}{2}g^{2}W_{\mu}^{+}W_{\nu}^{-}W_{\nu}^{-} + \frac{1}{2}g^{2}W_{\mu}^{+}W_{\nu}^{-} - W_{\mu}^{-}\partial_{\nu}W_{\nu}^{+}W_{\nu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\nu}^{+}W_{\nu}^{-} - \frac{1}{2}g^{2}W_{\mu}^{-}W_{\mu}^{-}W_{\nu}^{-} + \frac{1}{2}g^{2}W_{\mu}^{-}W_{\mu}^{-}W_{\nu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\nu}^{-} - W_{\nu}^{-}\partial_{\nu}W_{\nu}^{-}W_{\nu}^{-} - \frac{1}{2}g^{2}W_{\mu}^{-}W_{\mu}^{-}W_{\nu}^{-} - W_{\mu}^{-}\partial_{\nu}^{-}W_{\mu}^{-}W_{\nu}^{-} - W_{\mu}^{-}\partial_{\nu}^{-}W_{\mu}^{-}W_{\nu}^{-} - \frac{1}{2}g^{2}W_{\mu}^{-}W_{\mu}^{-}W_{\nu}^{-}W_{\nu}^{-} - W_{\mu}^{-}\partial_{\nu}^{-}W_{\mu}^{-}W_{\nu}^{-}W_{\nu}^{-} - \frac{1}{2}g^{2}W_{\mu}^{-}W_{\mu}^{-}W_{\nu}^{-}W_{\nu}^{-} - W_{\mu}^{-}\partial_{\nu}^{-}W_{\mu}^{-}W_{\mu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^{-}W_{\nu}^$$