

$$e^+e^- \rightarrow Z^0 \rightarrow l\bar{l}, q\bar{q}$$

$$|\vec{a} \bullet \vec{b}| = \sum a_{jk}^i + b_i^{bj}$$

$$i(\partial_\mu \bar{\psi} \gamma^\mu + m \bar{\psi}) = 0 \quad \Leftrightarrow (\square + m^2) \psi = 0$$

$$L_{em} = e J_{em}^\mu A_\mu, \quad J_{em}^\mu = \bar{l} \gamma_\mu l, \quad M_i^j = \sum A_\alpha \tau_i^{\alpha j}$$