



 $\beta_1 = \frac{1}{6}(1N_c - 2N_f)$  $\gamma_1 = \frac{3}{2C_F},$ 

**Dynamical Chiral Symmetry Breaking ceases.** M(0) is only radiatively (logarithmically) evolved from M(GUT) -> Light fermions! (For SU(3) QCD,  $N_f^{crit}$  = 8-11 instead of the screening 17)

Because of logarithmic running, the matching point where non perturbative physics sets in depends exponentially on the number of colors

