## Relating quarks and leptons without unification

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We propose a supersymmetric extension of the standard model based on the flavor symmetry A4. Charged fermion masses arise from renormalizable Yukawa couplings while neutrino masses are generated by the usual dimension five operator. We show that by a suitable choice of the soft breaking terms one can reproduce all fermion mass hierarchies, predicting a mass formula relating down quarks and charged lepton masses, and also reproduce the Cabibbo angle in the quark sector.

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