1054-17-195 **RJ Dolbin*** (rjdolbin@math.ucr.edu), 12241 Carnation Lane, Unit B, Moreno Valley, CA 92557. *Ideals in parabolic subalgebras of simple Lie algebras*.

We study ad–nilpotent ideals of a parabolic subalgebra of a simple Lie algebra. Any such ideal determines an antichain in a set of positive roots of the simple Lie algebra. We give a necessary and sufficient condition for an antichain to determine an ad–nilpotent ideal of the parabolic. We write down all such antichains for the classical simple Lie algebras and in particular recover the results of D. Peterson. (Received September 14, 2009)