1077-17-1214   **Eric Sommers***, Dept of Mathematics and Statistics, LGRT, Amherst, MA 01003. *On a duality for nilpotent orbits.* Preliminary report.

We calculate minimal points in a Cartan subalgebra of a Lie algebra satisfying certain conditions (one involves the associated variety of the corresponding maximal primitive ideal determined by the point in the Cartan). This is related to the interpretation of Lusztig-Spaltenstein duality by Barbasch-Vogan and explains the generalization of this duality by the author, and then further by Achar. (Received September 18, 2011)