Lie derivations and Lie triple derivations of dominant upper triangular ladder matrices.

We explicitly describe Lie derivations and Lie triple derivations of the Lie algebra $M_L(F)$ associate with a dominant upper triangular ladder $L$ over a field $F$ with characteristics not equal to two. We also explicitly describe the derivation algebra of $[M_L(F), M_L(F)]$ when $L$ is a strongly dominant upper triangular ladder and a field $F$ is of characteristics not equal to 2, 3. Some properties of these Lie algebras are discovered. (Received September 06, 2015)