1146-15-256   **Huajun Huang*** (`huanghu@auburn.edu`), Department of Mathematics and Statistics, Auburn University, Auburn, AL 36849, and **Meaza Bogale** and **Ming-Cheng Tsai**. *Borel subgroup conjugation on nilpotent subalgebra.*

The upper triangular similarity of strictly upper triangular matrices will be discussed. We survey the existing results and provide a graphical and combinatorial approach to study the problem. In particular, the upper triangular similarity orbits of strictly upper triangular matrices of size no more than 7 are completely classified. This is a joint work with Meaza Bogale and Ming-Cheng Tsai. (Received January 24, 2019)