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Mary Clair Thompson* (mct0006@auburn.edu), 1355 Commerce Dr #408, Auburn, AL 36830, and **Tin-Yau Tam** (tamtiny@auburn.edu). *Convergence of the Bruhat Iteration*. Preliminary report.

Rutishauser's LR algorithm is extended in the context of a connected noncompact semisimple Lie group. We show that the sequence of iterates converges under certain conditions. (Received September 22, 2012)