1030-46-170 **Hao-Wei Huang*** (huang39@indiana.edu), Rawles Hall, 831 East 3rd St, Bloomington, IN 47405. Characterizations of the matrices whose norms are determined by their actions on decreasing sequences. Preliminary report.

Let $A = (a_{j,k})_{j,k\geq 1}$ be a non-negative matrix. In this paper, we characterize those A for which $||A||_{E,F}$ are determined by their actions on decreasing sequences, where E and F are suitable normed Riesz spaces of sequences. In particular, our results can apply to the following spaces: ℓ_p , d(w, p), and $\ell_p(w)$. (Received July 31, 2007)