1014-16-811   **Yiqiang Li*** (`yqli@math.ksu.edu`), Department of Mathematics, Kansas State University, Manhattan, KS 66506, and **Zongzhu Lin**. *A realization of quantum groups via product valued quivers.*

Let Γ be a valued quiver. Let C be the symmetrizable generalized Cartan matrix associated to Γ. We show that the whole quantum group associated to C can be realized from the category of the representations of the product valued quiver $\Gamma^{\pm}$. This method can be used to realized the whole generalized Kac-Moody Lie algebra associated to C as well. (Received September 24, 2005)