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Saber N Elaydi* (selaydi@trinity.edu), One Trinity Place, San Antonio, TX 78212. *Stability and bifurcation of a discrete logistic competition model*. Preliminary report.

We will investigate the stability and bifurcation of a new logistic type competition model. Then we will determine the invariant manifolds, including stable, unstable and center manifolds. (Received September 13, 2010)