1037-05-318 Brian Beavers* (beaversbd@sfasu.edu), P.O. Box 13040 SFA Station, Nacogdoches, TX 75962-3040, and James Oxley (oxley@math.lsu.edu). Constructive Characterizations of 3-Connected Matroids of Path Width Three.
A matroid $M$ is sequential or has path width 3 if $M$ is 3 -connected and its ground set has a sequential ordering, that is, an ordering $\left(e_{1}, e_{2}, \ldots, e_{n}\right)$ such that $\left(\left\{e_{1}, e_{2}, \ldots, e_{k}\right\},\left\{e_{k+1}, e_{k+2}, \ldots, e_{n}\right\}\right)$ is a 3 -separation for all $k$ in $\{3,4, \ldots, n-3\}$. In this talk, we will discuss how every sequential matroid is easily constructible from a uniform matroid of rank or corank two by a sequence of moves each of which consists of a slight modification of segment-cosegment or cosegment-segment exchange. We will also discuss an attractive family of self-dual sequential 3-connected matroids such that any sequential matroid is a minor of some member of this family. (Received February 05, 2008)

