

1135-05-2446 **Kevin Dilks*** (kevin.dilks@ndsu.edu), **Jessica Striker** and **Corey Vorland**. *Increasing Labelings and Generalized Promotion*.

Previous work of Dilks, Pechenik, and Striker established a connection between rowmotion on plane partitions and K -promotion on increasing tableaux of square shape, and also showed that K -promotion could be described as a series of local involutions in addition to the usual jeu-de-taquin box sliding definition. In this talk, we generalize to establish a connection between a generalized promotion operation on increasing labelings of any poset, and rowmotion on order ideals of an associated poset. (Received September 26, 2017)