1100-57-275 Mieczysław K. Dabkowski* (mdab@utdallas.edu) and Changsong Li. Catalan States of Generalized Crossing. Preliminary report.

We show which Catalan connections between 2(m+n) points on boundary of $m \times n$ rectangle P can be realized as Kauffman states of a generalized crossing L(m, n) and we give an explicit formula for number of such connections. (Received February 09, 2014)