1145-05-2690 **Andrew Beveridge**, **Ian Calaway** and **Kristin Heysse*** (kheysse@macalester.edu), Department of Mathematics, Statistics and, Computer Science, 1600 Grand Avenue, Saint Paul, MN 55105. *Connecting partial orderings and alternating sign matrices.*

A square matrix with entries 0, 1, and -1 is an alternating sign matrix if all rows and columns sum to one and the nonzero entries in each row and column alternate in sign. Well studied as combinatorial objects, the alternating sign matrices were enumerated by Zeilberger in 1992. Here we prove a bijection between Zeilberger's magog triangles to pre-partial orderings of singleton and doubleton sets. These partial orderings arise from a relaxation of the definition of completely separable voting preferences.

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