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Morgan Weiler* (mocowe@gmail.com) and **Samuel Hopkins**. *Pattern Avoidance in Permutations on the Boolean Lattice.*

We extend the concept of pattern avoidance in permutations on a totally ordered set to pattern avoidance in permutations on partially ordered sets. We give asymptotically close bounds on the number of permutations on the Boolean lattice that avoid the pattern $\{1\}\{1,2\}\{2\}$. (Received September 22, 2012)