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John W. Snow and Eric J. Martin* (e9martin@math.uwaterloo.ca), Dept. of Pure Mathematics, University of Waterloo, Waterloo, ON N2L 3G1, Canada. On the automorphisms of the congruence lattice of the semilattice 2^n . Preliminary report.

Let **2** be the meet-semilattice $\langle \{0,1\}, \cdot \rangle$. In this talk we prove that, for all $n \geq 2$, every automorphism of the congruence lattice of $\mathbf{2}^n$ is carried by an automorphism of $\mathbf{2}^n$. Consequently, the automorphism group of $\operatorname{Con}(\mathbf{2}^n)$ is isomorphic to the automorphism group of $\mathbf{2}^n$. We discuss the implications of this result with respect to an open problem concerning congruence heredity. (Received September 11, 2006)