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**William DeMeo\*** ([williamdemeo@gmail.com](mailto:williamdemeo@gmail.com)). *A general Dedekind transposition principle and examples of isotopic algebras with non-isomorphic congruence lattices.* Preliminary report.

We present a transposition principle that holds in all (not necessarily modular) lattices of equivalence relations. We then describe a class of finite unary algebras and use it to demonstrate that the difference in size of the congruence lattices of two finite isotopic algebras can be arbitrarily large. (Received February 18, 2013)