1089-08-27 **Ralph McKenzie** and **Matthew Smedberg***, 1227H Stevenson Center, Vanderbilt University, Nashville, TN 37240. Finitely decidable varieties admitting type 1 are residually finite. Preliminary report.

We show that if \mathcal{V} is any locally finite variety such that the first-order theory of the finite members of \mathcal{V} is decidable, then \mathcal{V} contains only finitely many subdirectly irreducible algebras, all of which are finite. This result is known already for varieties omitting type 1; our proof establishes a number of necessary structural properties for a variety admitting type 1 to be finitely decidable. (Received January 10, 2013)