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Tomas Feder, Pavol Hell and **Benoit Larose***, benoit.larose@concordia.ca, and **Mark Siggers** and **Claude Tardif**. *Graphs, digraphs and k -NU polymorphisms*.

We describe, for each $k \geq 3$, a generating set for the class of simple graphs that admit a k -ary near-unanimity (NU) polymorphism. The result follows from an analysis of NU polymorphisms of strongly bipartite digraphs, i.e. whose vertices are either a source or a sink but not both: we show that the retraction problem for such a digraph has finite duality if and only if it admits an NU polymorphism. This allows the use of tree duals to generate the variety of digraphs admitting a k -NU polymorphism. (Received February 05, 2013)