

1014-06-1155 **Michael E. Detlefsen*** (michael.detlefsen@sru.edu), Department of Mathematics, Slippery Rock University, Slippery Rock, PA 16057. *A Unique Normal Decomposition Lattice without the representation.* Preliminary report.

We give an example of a weak join principally generated unique normal decomposition multiplicative lattice which contains a prime 3-chain. Consequently, join principal generation is necessary for the representation as the lattice of ring ideals of Johnson, Johnson, and Lediaev of a unique normal decomposition multiplicative lattice. (Received September 27, 2005)