1053-13-46David E. Dobbs\* (dobbs@math.utk.edu), Department of Mathematics, University of Tennessee,<br/>Knoxville, TN 37996-0612. When does a ring extension of a going-down domain satisfy<br/>going-down? Preliminary report.

If R is a going-down domain and T is a commutative unital ring extension of R, then  $R \subseteq T$  satisfies going-down if and only if the associated reduced ring of T is a torsion-free R-module. (Received July 18, 2009)