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One way Hereditary Rings (25-30)

Let A be a semiperfect ring and J its Jacobson radical. We assume A is basic. We introduce the notion of a one way hereditary ring with a one way length n . This notion is a generalization of hereditary ring. We characterize this ring and show that this ring has a finite global dimension, in fact, $gl.dim A \leq n$. One of the good characterization of this ring is as following; There is an order of idempotents e_1, e_2, \dots, e_n such that $1 = e_1 + e_2 + \dots + e_n$ and $p.d.f_i(R/J)f_i = 1$ as $f_i R f_i$ -module, here $f_i = e_1 + e_2 + \dots + e_i$, for each $i = 1, 2, \dots, n$.