

ON EVERISIBLE RINGS

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ABSTRACT. In this study, we introduce a class of rings which is a generalization of reversible rings [1]. Let R be an associative ring with identity. A ring R is called eversible ring if every left zero-divisor in R is also a right zero-divisor and conversely. We prove that every eversible ring is directly finite and von Neumann regular ring is directly finite if and only if it is eversible. Also we show that R is eversible if and only if $T_n(R)$ is eversible. In this talk, after a brief introduction to the subject is discussed, a recent result with a joint work E. Ghashghaei, Tamer Kosan, M. Namdari and Tulay Yildirim [2] among these lines will be presented.

References

- [1] P.M. COHN *Reversible rings*, Bull. London Math. Soc. **31** (1999) 641-648.
- [2] E. GHASHGHAEL, TAMER KOSAN, M. NAMDARI AND TULAY YILDIRIM *Rings in which every left zero-divisor is also a right zero-divisor and conversely*, J. Alg. and its Apply. in press (2018),