

عنوان مقاله:

On \mathbb{Z} G-clean rings

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خلاصه مقاله:

Let R be an associative ring with unity. An element $x \in R$ is called \mathbb{Z} G-clean if $x=e+r$, where e is an idempotent and r is a \mathbb{Z} G-regular element in R . A ring R is called \mathbb{Z} G-clean if every element of R is \mathbb{Z} G-clean. In this paper, we show that in an abelian \mathbb{Z} G-regular ring R , the $\text{Nil}(R)$ is a two-sided ideal of R and $\frac{R}{\text{Nil}(R)}$ is G-regular. Furthermore, we characterize \mathbb{Z} G-clean rings. Also, this paper is involved with investigating $\mathbb{F}_2 C_2$ as a social group and measuring influence a member of it's rather than others.

کلمات کلیدی:

Von Neumann regular, ZG-regular, Strongly ZG-regular, ZG-clean, Social group

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