عنوان مقاله:

Non-reduced rings of small order and their maximal graph

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خلاصه مقاله:

Let R be a commutative ring with nonzero identity. Let $\Gamma(R)$ denotes the maximal graph corresponding to the non-unit elements of R, that is, $\Gamma(R)$ is a graph with vertices the non-unit elements of R, where two distinct vertices a and b are adjacent if and only if there is a maximal ideal of R containing both. In this paper, we investigate that for a given positive integer n, is there a non-reduced ring R with n non-units? For n $\ensuremath{\mbox{leq } \ensuremath{\mbox{N}} = \ensuremath{\mbo$

كلمات كليدى:

Non-reduced ring, Jacobson radical, maximal graphs, center, median

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