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Vizing's conjecture: A two-thirds bound for claw-free graphs. (English) Zbl 1368.05113
Discrete Appl. Math. 230, 162-165 (2017).

Summary: We show that for any claw-free graph G and any graph H , $\gamma(G \square H) \geq \frac{2}{3}\gamma(G)\gamma(H)$, where $\gamma(G)$ is the domination number of G .

MSC:

05C69 Vertex subsets with special properties (dominating sets, independent sets, cliques, etc.) Cited in 1 Document

05C76 Graph operations (line graphs, products, etc.)

Keywords:

domination number; Cartesian product of graphs; Vizing's conjecture

Full Text: [DOI](#) [arXiv](#)

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