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A result on Vizing's conjecture. (English) Zbl 1030.05087

Discrete Math. 275, No. 1-3, 363-366 (2004).

Summary: Let $\gamma(G)$ denote the domination number of a simple graph G and let $G\Box H$ denote the Cartesian product of two simple graphs G and H. We prove that if $\gamma(G) = 3$, then $\gamma(G\Box H) \geq \gamma(G)\gamma(H)$.

MSC:

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

Cited in **10** Documents

Keywords:

Graph; Domination number; Cartesian product

Full Text: DOI

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