

On Total Domination in Some Special Graphs

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In a graph $G(V, E)$ a set $S \subseteq V$ of vertices is called a total dominating set if every vertex $v \in V$ is adjacent to an element of S . The total domination number of a graph G is the minimum cardinality of a total dominating set in G .

In this talk we investigate the total dominating sets of graphs. And by using a construction method we determine the exact value of total domination numbers of some cartesian products of two paths.

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