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MINIMAL EQUITABLE DOMINATING GRAPH

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Abstract

Let $G = (V, E)$ be a graph. The minimal equitable dominating graph $MED(G)$, is the graph in which its vertices are all the MED sets and any two vertices are adjacent if the intersection of any two MED sets is non empty. In this paper we study some interesting properties of these graphs, we get the characterization for the graphs where its $MED(G)$ is connected and also those graphs in which $MED(G)$ is complete graph.

Key Words : *Minimal equitable dominating sets, Minimal equitable dominating graphs, Graph.*

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