

RELATIONS BETWEEN EDGE REMOVING AND EDGE SUBDIVISION CONCERNING DOMINATION NUMBER OF A GRAPH

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Let e be an edge of a connected simple graph G . The graph obtained by removing (resp. subdividing) an edge e from G is denoted by $G - e$ (resp. G_e). As usual, $\gamma(G)$ denotes the domination number of G . We call G an SR-graph if for every edge e of G , $\gamma(G - e) = \gamma(G_e)$, and G is an ASR-graph if for every edge e of G , $\gamma(G - e) \neq \gamma(G_e)$. In this talk we give examples of SR and ASR graphs and we show some of their properties.