## On the ratio of domination and independent domination number

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Let  $\gamma(G)$  and i(G) be the domination number and the independent domination number of G, respectively. In 1977, Hedetniemi and Mitchell began with the comparison of i(G) and  $\gamma(G)$  and recently Rad and Volkmann posted a conjecture that  $i(G)/\gamma(G) \leq \Delta(G)/2$ , where  $\Delta(G)$  is the maximum degree of G. In this note, we verify the conjecture on forests and provide the graph achieved the sharp bound.

Keywords: Domination number; Independent domination number; Comparison.