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*The smallest order of a graph with domination number equal to two and with every vertex contained in a  $K_n$ .* (In English)

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A set  $D$  of vertices of a graph  $G$  is a dominating set of  $G$  if every vertex of  $V(G) - D$  is adjacent to some vertex of  $D$ . The domination number  $\gamma(G)$  of  $G$  is the minimum cardinality among all dominating sets of  $G$ . In this paper, for  $n \geq 2$  an integer, the smallest order of a graph with domination number equal to two and with every vertex contained in a  $K_n$  is established.

Classification:

05C35 Extremal problems (graph theory)

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dominating set; domination number