## Domination in partitioned graphs with minimum degree two

Let $V_{1}, V_{2}$ be a partition of the vertex set in a graph $G$. For $i=1,2$, let $\gamma_{1}$ denote the least number of vertices needed in $G$ to dominate $V_{i}$. It is known that if $G$ has order $n$ and minimum degree two, then $\gamma_{1}+\gamma_{2} \leq 2 n / 3$. In this paper, we characterize those graphs of order $n$ which are edge-minimal with respect to satisfying the conditions of connected, minimum degree at least two, and $\gamma_{1}+\gamma_{2}=2 n / 3$.

