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Existence of complementary graphs having specified edge domination numbers. (In English)

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Let integers p, k and l be given. Does there exist a graph G of order p such the edge domination number of G is k and the edge domination number of its complement $\bar{G}$ is l? This question is answered completely by determining all pairs, k and l, which can serve as the domination numbers of complementary graphs of a given order p.

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05C99 Graph theory

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