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*The difference between the clique numbers of a graph.* (In English)

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The least number of complete subgraphs of a graph  $G$  with  $n$  vertices needed to partition (cover) the edge set of  $G$  is denoted by  $cp(G)$  ( $cc(G)$ , respectively).

Main result:  $n^2/4 - n^{3/2}/2 + n/4 \leq cp(G) - cc(G) \leq n^2/4 - 2$ .

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Classification:

05C35 Extremal problems (graph theory)

05C70 Factorization, etc.

Keywords:

clique covering; clique partition; edge covering; complete subgraphs