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Generalizations of a Ramsey-theoretic result of Chvatal. (In English)

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Author's abstract: "Chvátal has shown that if T is a tree on n points then $r(K_k, T) = (k-1)(n-1) + 1$, where r is the (generalized) Ramsey number. It is shown that the same result holds when T is replaced by many other graphs. Such a T is called k -good. The results proved all support the conjecture that any large graph that is sufficiently sparse, in the appropriate sense, is k -good."

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Classification:

05C55 Generalized Ramsey theory

Keywords:

sparse graph; complete graph; generalized Ramsey number