INDUCED RAMSEY NUMBERS FOR DISCONNECTED GRAPHS

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An induced Ramsey number IR(G, H) is a very well notion in extremal graph theory. It is the minimal number of vertices of a graph F such that in every 2-coloring of edges of F with red and blue there is an induced red copy of G or an induced blue copy of H. The existence of this number was proved independently by Deuber [1], Erdős, Hajnal and Pósa [2] and Rödl [3]. There are not many results about the values of induced Ramsey numbers. We will consider bounds for the induced Ramsey number where G and H consist of several copies of given graphs.

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References

