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## ON INDEPENDENT PARTITIONS OF VERTEX SET IN A GRAPH

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**Abstract:** We define independent partition of the vertex set  $V(G)$  as a partition of  $V(G)$  into independent sets in a graph  $G$ . The concepts of independent graph of a graph  $G$  with respect to an independent partition and a dummy independent set in an independent partition have been introduced. Some results on these concepts are presented.

**Keywords and Phrases:** Independent Set, Dummy Independent Set, Independent Partition, Independent Graph.

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