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Gardner, Robert B. [Gardner, Robert Bentley] (1-ETNS)

Bicyclic decompositions of K_v into copies of $K_3 \cup \{e\}$. (English summary)

Util. Math. **54** (1998), 51–57.

Summary: "A decomposition of the complete graph on v vertices, K_v, into copies of K_3 with a pendant edge is called a 'lollipop' system of order v, denoted LS(v). We give necessary and sufficient conditions for the existence of an LS(v) admitting an automorphism consisting of two disjoint cycles. We also give a brief proof that the previously known sufficient conditions for the existence of a cyclic LS(v) are in fact necessary."