MATHEMATICS MAGAZINE PROBLEM

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ABSTRACT. Characterize those simple graphs G with the following two properties: between each pair of vertices u and v in G we have that (1) there exist a pair of vetex-disjoint paths, and (2) any set of vertex-disjoint paths betweeen u and v has at most two elements. (Note: $\{P_1, \ldots, P_n\}$ is a set of vetex-disjoint paths between u and v if they are paths from u to v and if no two of them share a vertex except for u, v).

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