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Paths, cycles and wheels in graphs without antitriangles. (English. English summary)

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If G is a path, cycle, or wheel with n vertices, then it is known that the Ramsey number $R(G, K_3) = 2n-1$. A 2-coloring of the edges of a K_{2n-2} is a critical coloring if there is no G in the first color or K_3 in the second color. The authors characterize all critical colorings when G is a path or a cycle and describe and determine the number of all critical colorings when G is a wheel. *Ralph Faudree* (1-MEMP)