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Edge-partitioning a graph into paths: beyond the Barát-Thomassen conjecture. (English)

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J. Barát and *C. Thomassen* [J. Graph Theory 52, No. 2, 135–146 (2006; Zbl 1117.05088)] conjectured that highly edge-connected graphs can be decomposed into copies of any tree. The path case of the conjecture was previously established. The authors provide an alternative proof of the path case with weaker edge-connectivity requirement.

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MSC:

[05C40](#) Connectivity

[05C07](#) Vertex degrees

[05C15](#) Coloring of graphs and hypergraphs

[05C38](#) Paths and cycles

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