J: Joyful Jogging

Problem author: Tobias Röhr

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Equivalent problem: Find the minimum number of edges to remove to break all cycles in a connected undirected graph.

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Equivalent problem: Find the minimum number of edges to remove to break all cycles in a connected undirected graph.

Observation: A connected graph without cycles is a tree.

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Solution: A tree has $n - 1$ edges, so the answer is $m - (n - 1)$.

The edges we would remove are the edges that are not part of a fixed spanning tree.

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Statistics: 43 submissions, 23 accepted, 11 unknown