1047-05-245 **Andrew J. Radcliffe*** (aradcliffe1@math.unl.edu), Department of Mathematics, 203 Avery Hall, University of Nebraska-Lincoln, Lincoln, NE 68502, and **Jonathan Cutler** (jonathan.cutler@montclair.edu). *A simple entropy proof of the Kahn-Lovasz theorem.*

We give a simple entropy proof of the Kahn-Lovasz theorem, which states that the number of perfect matchings in a simple graph G is at most

$$\prod_{v \in V(G)} (d(v)!)^{1/d(v)}.$$

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