Accepted Manuscript

Second order cone programming approach to two-stage network data envelopment analysis

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PII: \$0377-2217(17)30305-3 DOI: 10.1016/j.ejor.2017.03.074

Reference: EOR 14358

To appear in: European Journal of Operational Research

Received date: 30 November 2016 Revised date: 9 March 2017 Accepted date: 29 March 2017



Please cite this article as: Kun Chen, Joe Zhu, Second order cone programming approach to two-stage network data envelopment analysis, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.03.074

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Highlights

- Multiplicative efficiency aggregation can be solved in general two-stage networks.
- Multiplicative efficiency aggregation is shown to be a cone structure in disguise.
- The input- and output-oriented models are consistent.
- Inconsistency in additive efficiency decomposition is detected.

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