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An exact approach for the robust assembly line balancing problem

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Highlights

- A robust, Bertsimas-Sim, assembly line balancing is studied.
- A mathematical model is proposed.
- Several lower and upper bounds, and an enumeration procedure are developed.
- The proposed methods is tested with a benchmark set derived from the literature.
- The results highlight that protecting the line against moderate levels of uncertainty can be achieved at the expense of small additional resources.

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