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A mathematic model and two-stage heuristic for hot rolling scheduling in compact strip production

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Highlights

- We study a new hot rolling scheduling problem from compact strip production process.
- We model the problem as a combination of a sheet strip assignment sub-problem and a sheet strip sequencing sub-problem.
- We present a two-stage solution approach consisting of a sheet strip assignment heuristic and a sheet strip sequencing heuristic.
- The effectiveness of the two-stage heuristic is demonstrated by extensive experiments on both synthetic and real-world instances.

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