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A branch and price algorithm to solve the integrated production planning and scheduling in bulk ports

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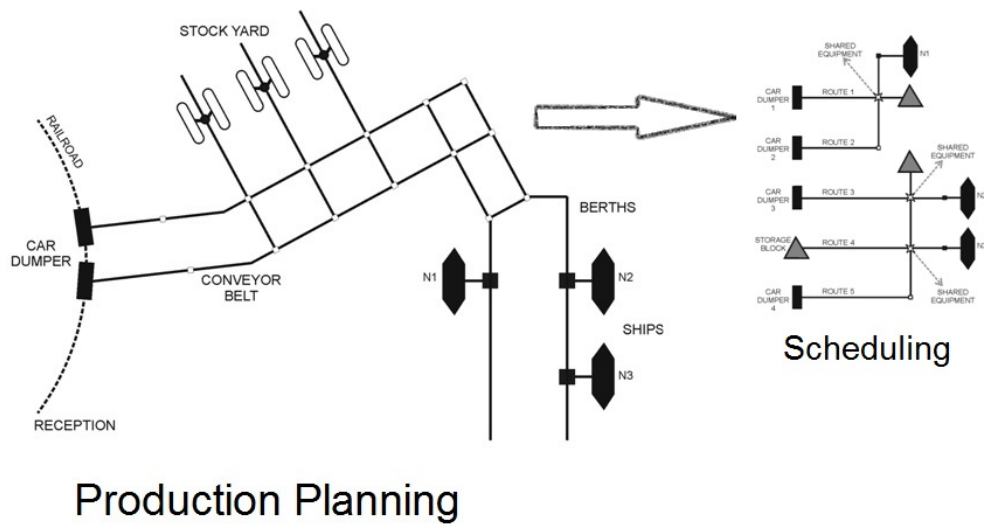
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Highlights

- This work deals with the integration of production planning and scheduling.
- The proposed model considers the quality and allocation of products at the terminal.
- We propose a branch-and-price algorithm capable to solve real instances.
- The model and methodology is general enough to be adapted to several situations.



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