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Parallel local search algorithms for high school timetabling problems

Landir Saviniec, Maristela O. Santos, Alysson M. Costa

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Highlights

- We design parallel metaheuristics for high school timetabling problems.
- Several different metaheuristics are used as agents.
- Features such as cooperation, intensification and diversification are analyzed.
- Strong elitism and exchange of information among threads improve the search.
- Our best algorithm outperforms existing state-of-the-art algorithms.

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