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A methodology for determining an effective subset of heuristics in selection hyper-heuristics

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**Highlights**

- A methodology for determining an effective subset of heuristics in hyper-heuristics.
- Use of fitness landscape metrics and non-parametric statistics to rank heuristics.
- New adaptive iterated local search hyper-heuristic using dynamic multi-armed bandit.
- State-of-the-art results in course timetabling including new best-known solutions.

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