A planning and scheduling tool for operating theatres of a multi-site hospital

Université

atholique



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appropriate for a limited-time decision making in the context of planning and scheduling operating theatres - discrete event formalism (DEVS)
- intuitive writing of simulation models
- can reduce a research domain or test robustness
- multi-scale and multi-formalism approaches
- embedded local optimizations for scheduling, dispatching rules...
MIP
- minimize or maximize a linear function subject to linear constraints
- well-known resolution methods (Branch & Bound,...)

M.I.P.: Mixed Integer Programming