

ROADEF 2010: A constructive heuristic for scheduling power plants

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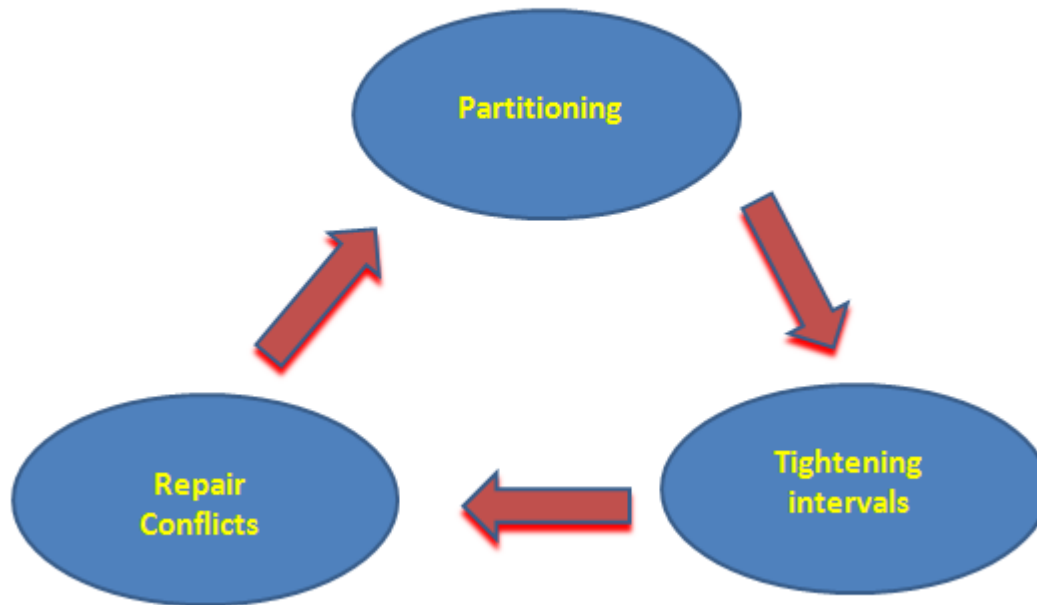
13 July 2010

Where innovation starts

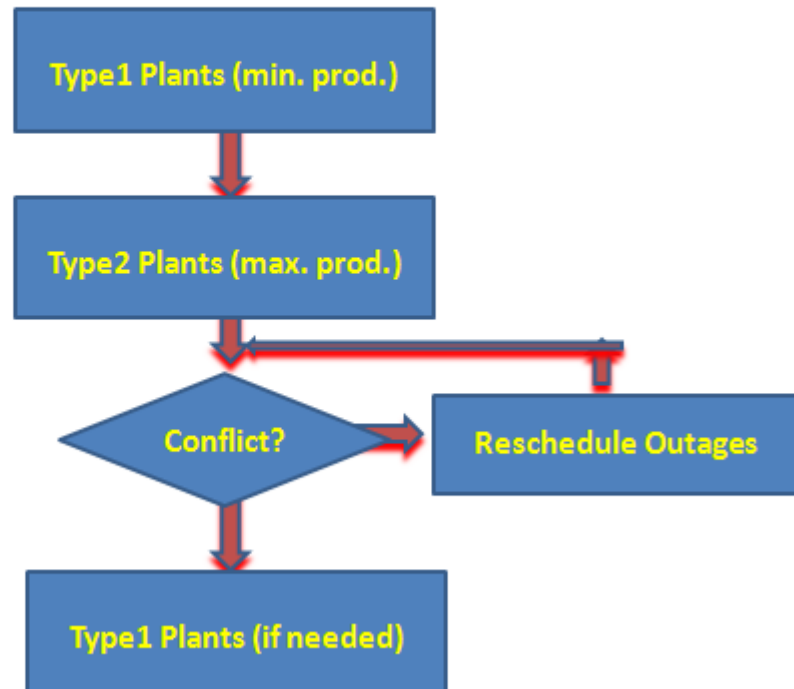
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- power plants: **type1** and **type2**
- **type1** plants: expensive
- **type2** plants: cheap but exhaustive
- energy demand scenarios
- **type2** plants: outages with constraints
- satisfy demand by maximum use of **type2** plants

Outage Scheduling



Power Assignment



Summary:

- one month concentrated work
- implementation in Java
- Solutions of 5 A instances are obtained
- Qualified by jury decision (4 solutions accepted)

Thanks for attention!

7/7

THE END