Relationships between Scheduling Techniques in Parallel Computing and Feedback loops in Autonomic Computing

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How to combine these two?

**Scheduling**

- Many techniques to schedule.
- Depending on number of processes, tasks constrains, and objective function.

**Feedback loops**

- Monitor the system via sensors
- Adjust unwanted behavior via effectors.
How to combine these two?

**Scheduling**

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**Feedback loops**

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**Detect**: Cmax too high.
**Decide**: Move task 6 to P1
How to combine these two?

**Scheduling**

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- Depending on number of processes, tasks constrains, and objective function.

What happens if number of tasks is not finite? If we don’t know their duration?

**Feedback loops**

- Monitor the system via sensors
- Adjust unwanted behavior via effectors.

What monitors? How adjusts the scheduling?