

DEFERRABLE SERVER ALGORITHM

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MOTIVATION

Challenges addressed by Deferrable Server

- Efficient Handling of Aperiodic Tasks
- Maintaining Predictability in Real-Time Systems
- Resource Allocation
- Task Scheduling



INTRODUCTION

- Deferrable Server
- Periodic Tasks
- Aperiodic Tasks

INTRODUCTION

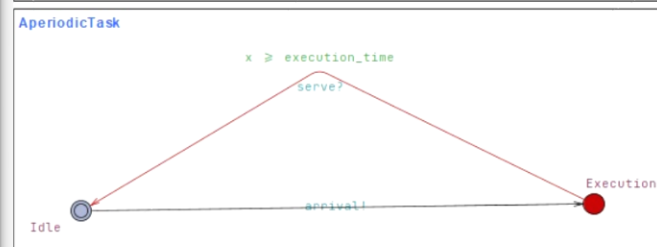
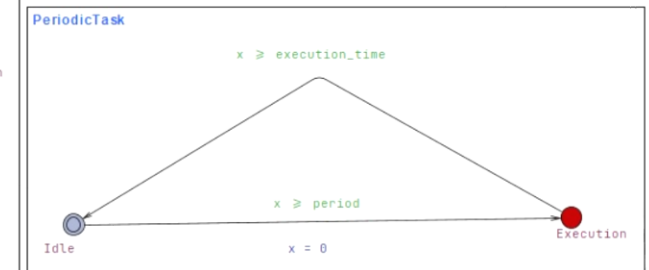
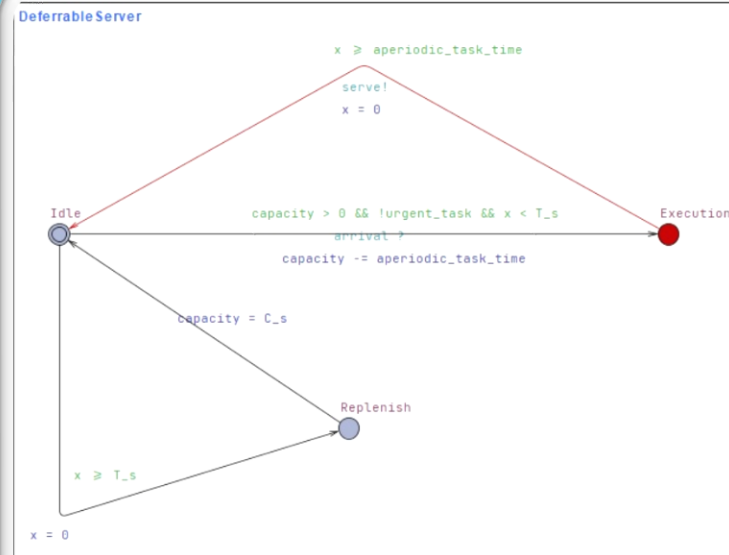
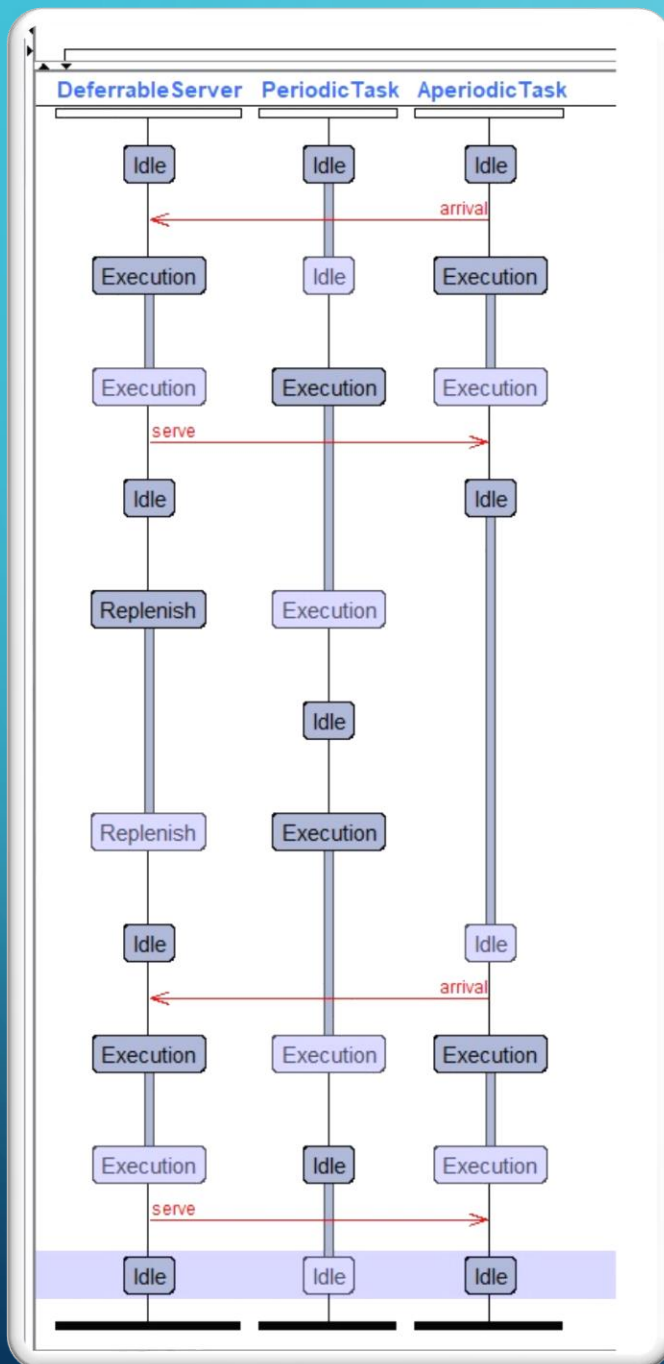
- Understanding deferrable server



DEFERRABLE SERVER

- Algorithm description
- Role in RTS
- Scheduling in DS
- Comparison with PS
- Real-World Applications

UPPAAL MODELLING



CONCLUSION

- Integrates aperiodic tasks
- Prioritizes periodic deadlines
- Efficient resource management
- Enhances responsiveness
- Improves system performance

The background is a blue gradient with faint concentric circles. White circuit-like lines with circular nodes are positioned in the corners: top-left, top-right, bottom-left, and bottom-right.

THANKS