

UNIVERSITÉ LIBRE DE BRUXELLES

DÉPARTMENT D'INFORMATIQUE



INFO

PREP. WORK FOR MASTER THESIS

Thesis - draft

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1 Related Work

The goal of this section is to focus on work made on Network Protocols verification using SPIN, PRISM and UPPAAL.

1.1 SPIN Model Checker

? focus on verifying DHCP using Promela and SPIN.

The goal of the paper is to verify:

- Integrity of communication
- Deadlocks, livelocks
- Message loss
- Improper termination
- IP not used more than once

Analyze only the service of allocating IP address. Therefore ignored storage conf. parameters.

2 clients and two servers.