Petri Net Research @ DMCC

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Outline

- About DMCC
- Academic Programs
- Petri Nets Research
- Conclusions

About DMCC

The Departamento de Matemática y Ciencia de la Computación (DMCC) was founded in 1975 and perform didactics and research in mathematics (dynamical systems), statistics (bayesian inference), didactic in mathematics, and computer science (cryptography and formal methods)

Academic Programs

Actually DMCC has four undergaduate programs:

- ▶ Licenciatura en Educación Matemática y Computación (1976)
- ▶ Licenciatura en Ciencia de la Computación (1988)
- ▶ Ingenieria Estadística (1994)
- ▶ Ingenieria Matemática (2002)

and two graduate programs:

- ▶ Magister en Ciencia, mención Matemáticas (1982)
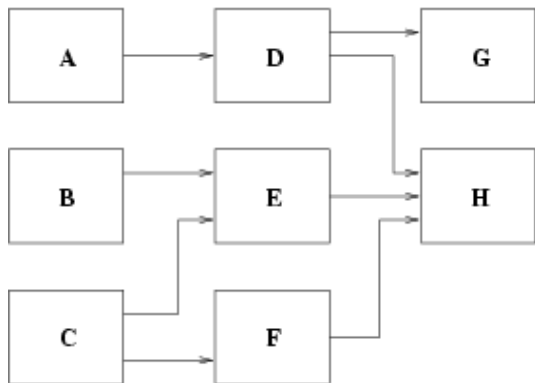- ▶ Doctorado en Ciencia, mención Matemáticas (2002)

Petri Nets Research

- Verification of Syllabus
- Distributed Environment for the Analysis of Complex Systems
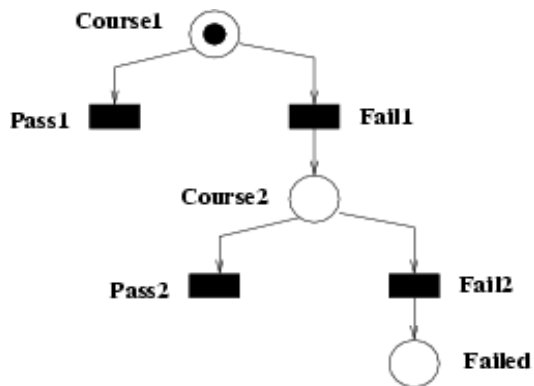
Verification of Syllabus

A syllabus is a set of courses, their prerequisites and a set of rules defining the continuance of a student in an academic program. Manual verification of the possible contradictions between rules and prerequisites is a difficult task (large number of states)
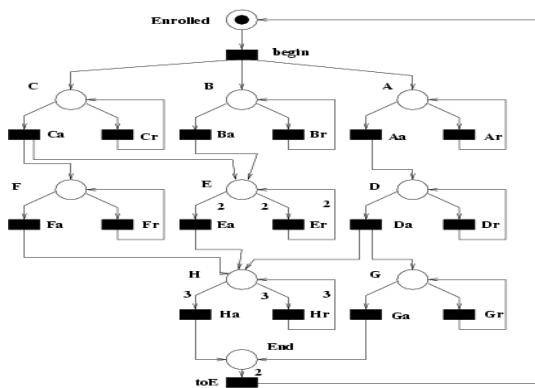
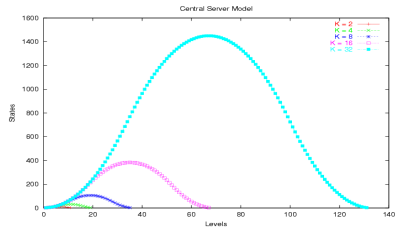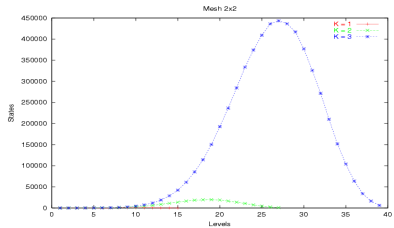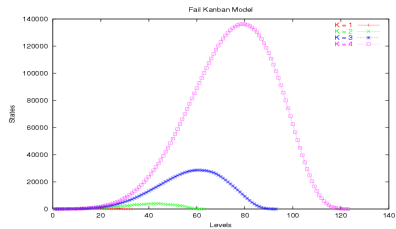# Verification of Syllabus

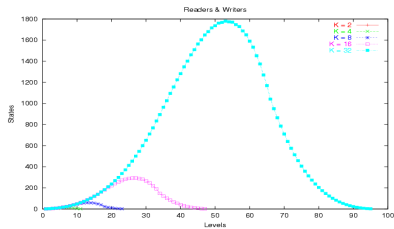# Verification of Syllabus
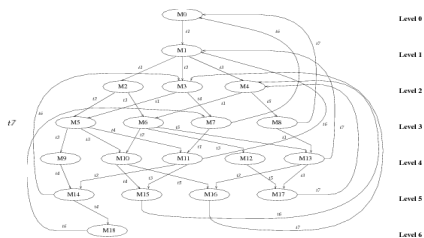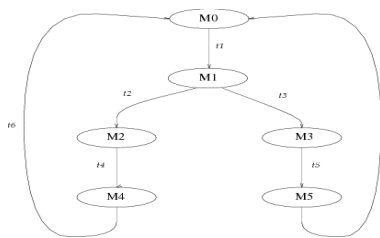
Verification of Syllabus

Distributed Environment for the Analysis of Complex Systems

Encode the Reachability Set using its properties

Distributed Environment for the Analysis of Complex Systems

Distributed Environment for the Analysis of Complex Systems

Conclusions

Thanks for your Attention