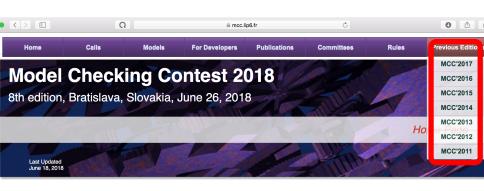
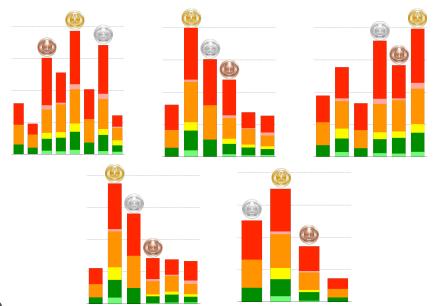
A Model Checker Collection for the Model Checking Contest @ Petri Nets

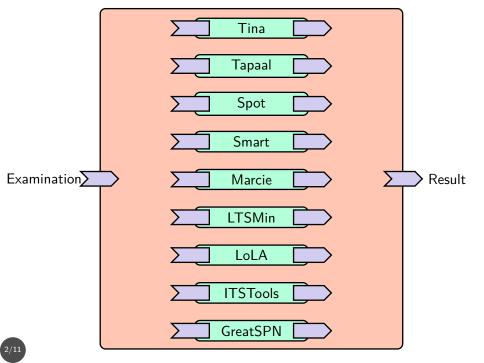
Didier Buchs Stefan Klikovits <u>Alban Linard</u> Romain Mencattini Dimitri Racordon

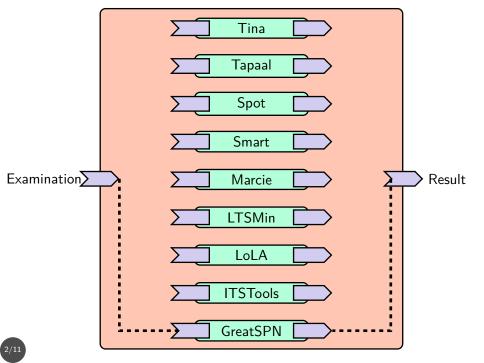


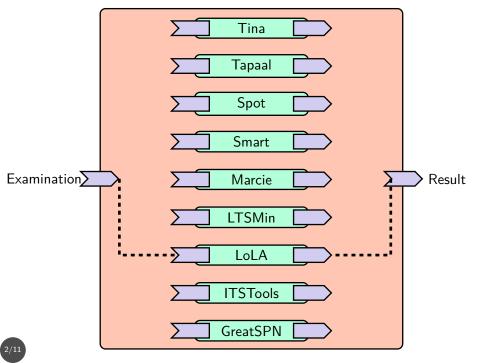














- ▶ 35 Gbytes
- ► VM within VM (or conflicts)
- ► Not reusable



- ▶ 5 Gbytes
- Docker within VM
- ► Reusable

https://mcc.lip6.fr/pdf/rules.pdf

"T-2. Developers of a tool (or a tool extension) can participate with their own work. Tools may also be submitted by others if they present the latest version available on the Web, and with the agreement of their authors."

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	Latest	Agreement	Docker	Included
GreatSPN	×	~	docker	✓
ITSTools	~	?	docker	✓
LoLA	✓	✓	docker	✓
LTSMin	~	✓	docker	✓
Marcie	×	✓	docker	✓
Smart		✓	×	×
Spot		?	×	×
Tapaal	~	×	docker	×
Tina	✓	✓	docker	✓

"T-5. Submitted tools must <u>honestly perform the computations</u> required by the MCC examinations. Using precomputed results is not allowed and, if detected, will disqualify the tool submission."

irma4mcc

- explicit choice
- does not compete

mcc4mcc

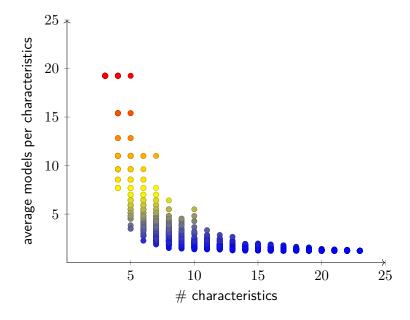
- ► machine learning
- competes

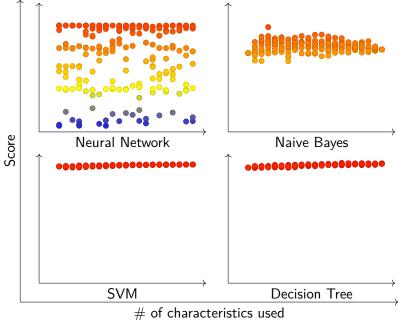


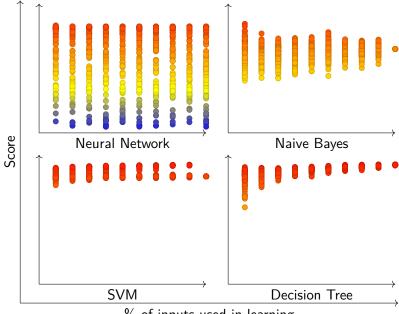
All the models in this collection come from the Model Checking Contest. They were provided by the Petri Net community. All models in the repository are listed in the paged table below. You can also getModelsMetadata the repository through its coverflow.

Some metrics on the content of the repository are shown on the Metrics tab.

Filter the mod	dels using the follow	wing properties					
P/T	Colored	Connected	Conservative	Deadlock	Extended Free Choice	Live	_ Loop Free
Marked Graph	Nested Units	Ordinary	Quasi live	Reversible	☐ Safe	Simple Free Choice	Sink Place
Sink Transition	Source Place	Source Transition	State Machine	Strongly Connected	Sub-Conservative	2018 Surprise Models	







% of inputs used in learning

https://github.com/cui-unige/mcc4mcc









https://github.com/cui-unige/mcc4mcc









- ► A tool to wrap them all
- ► Can be used by non-experts





Questions?