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Constrained Petri nets. (English) Zbl 0582.68030

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We investigate the use of sets of places of a Petri net as additional (to input places) constraints for granting concession to a transition. Various modes of using constraints give rise to various classes (of languages) of constrained Petri nets. The power of these classes is compared in the language-theoretic framework.

MSC:

68Q85 Models and methods for concurrent and distributed computing (process algebras, bisimulation, transition nets, etc.) Cited in 1 Review

Keywords:

Petri net languages; sets of places; constraints