

Goeman, H. J. M.; Groenewegen, L. P. J.; Kleijn, H. C. M.; Rozenberg, G.
Constrained Petri nets. II. Generalizations and extensions. (English) Zbl 0582.68031
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This paper continues the investigation of the authors [reviewed above, see [Zbl 0582.68030](#)] concerning the use of sets of places of a Petri net as additional (to input places) constraints for granting a concession. New interpretations of more general constraints are considered and expressed as Boolean expressions. This gives rise to various classes of constrained Petri nets. These are compared in the language-theoretical framework introduced by the authors [loc. cit.]. An upper bound for the language defining power is found in the class of context-free programmed languages.

MSC:

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

Keywords:

Petri net languages; sets of places; constraints; Boolean expressions; upper bound for the language defining power; context-free programmed languages