

What should we teach about Petri nets?

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Abstract

I challenge the traditional choice of topics and the usual style of presentation for introductory courses on Petri nets. For such a course I suggest a number of aspects that usually are not considered fundamental. This includes faithful models, a slight revision of formalisms and terminology, specific techniques to increase the expressive power of Petri net models, aspects derived from distributed runs, and particular mathematics to specify and verify properties of Petri net models.