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**Simulation problems for one-counter machines.** (English) [Zbl 0963.68094](#)

Pavelka, Jan (ed.) et al., SOFSEM '99: Theory and practice of informatics. 26th conference on Current trends in theory and practice of informatics. Milovy, Czech Republic, November 27-December 4, 1999. Proceedings. Berlin: Springer. Lect. Notes Comput. Sci. 1725, 404-413 (1999).

Summary: We consider decidability questions for simulation preorder (and equivalence) for processes generated by one-counter machines. We sketch a proof of decidability in the case when testing for zero is not possible, and demonstrate the undecidability in the general case.

For the entire collection see [\[Zbl 0931.00042\]](#).

**MSC:**

[68Q45](#) Formal languages and automata

Cited in 7 Documents

**Keywords:**

[decidability](#)