Automaton transformations and monadic theories of infinite sequences

Korneeva N.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

In this paper we prove that the set of degrees of asynchronously automaton transformations of infinite sequences with a solvable monadic theory forms an initial segment in the set of degrees of asynchronously automaton transformations. We prove a solvability criterion for a monadic theory of a complete sequence. © 2011 Allerton Press, Inc.

Keywords

automaton transformations, complete sequences, monadic theories of infinite sequences