Abstract

The aim of this paper is testing the directability of a given fuzzy automaton. A fuzzy automaton is directable if there exists a word, a directing word, which takes each state of a fuzzy automaton to a single state with some membership value. In this paper, we proposed a method for testing the directability of a fuzzy automaton using the mergeability relation.

References


Index Terms

Computer Science Fuzzy Systems

Keywords

Directable, Mergeable, Congruence and Directing Congruence