

Essential Inputs and Minimal Tree Automata

I. Damyanov, Sl. Shtrakov

Abstract

In the paper we continue study of essential inputs of trees and automata initiated in [?]. We distinguish the behavior of the essential inputs of trees and essential variables for discrete functions. Strongly essential inputs of trees are introduced too. It is proved that if a tree and an automaton have at least two essential inputs then they have at least two strongly essential input. Various examples for application in Computer Science are shown.

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