

## عنوان مقاله:

The Equivalence Between Weighted top-down Tree Automata

## محل انتشار:

سومین کنفرانس ملی تکنولوژی مهندسی برق و کامپیوتر (سال: 1396)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

This paper investigates the equivalence problem of weighted top-down tree automata over totally ordered lattices (or WTAs, for short). First, we define initialized WTA and some concepts corresponding to initialized WTA are given. Also, we prove the decidability of the equivalence problem for initialized WTAs. Next, we present an algorithmic procedure for deciding the equivalence between two initialized WTAs. Moreover, we analyze the complexity of the given algorithm. Finally, we give an example for the equivalence problem.

## کلمات کلیدی:

Weighted top-down tree automata; Equivalence problem; Totally ordered lattice

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/749183>

