## Accepted Manuscript

Grammatical inference of directed acyclic graph languages with polynomial time complexity

Antonio-Javier Gallego, Damián López, Jorge Calera-Rubio

PII: S0022-0000(17)30286-6

DOI: https://doi.org/10.1016/j.jcss.2017.12.002

Reference: YJCSS 3151

To appear in: Journal of Computer and System Sciences

Received date: 15 July 2016 Revised date: 25 September 2017 Accepted date: 14 December 2017



Please cite this article in press as: A.-J. Gallego et al., Grammatical inference of directed acyclic graph languages with polynomial time complexity, *J. Comput. Syst. Sci.* (2018), https://doi.org/10.1016/j.jcss.2017.12.002

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## Highlights

- We tackle the task of graph language learning.
  We extend the classes of k-testability and k-TSS languages to directed graph languages.
  We propose a grammatical inference algorithm to learn this class of languages.
- The algorithm runs in polynomial time.
- The algorithm identifies this class of languages from positive data.

## Download English Version:

## https://daneshyari.com/en/article/6874670

Download Persian Version:

https://daneshyari.com/article/6874670

<u>Daneshyari.com</u>