



A Card Game Proposal for Approaching Regular Languages: DOI 10.54798/CJOK6586 [

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Analítica

Formal languages are a relevant subject in computer science programs, they are a fundamental cornerstone for the development of programming languages, pattern recognition in texts, and they are deeply related to the theory of computation, including problems and their complexity. This work proposes a turn-based competitive card game that models the basics of regular languages, also known as type-3 languages. Through this game's mechanics, we aim to model relevant formal concepts, such as languages, symbols, alphabets, words, operators and word matching with regular expressions. We present the rules of the game and the design reasoning behind them, explaining how this rules relate to the abilities students require to work with regular languages. We report some early feed back received from computer science students

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es