

Bioinspired Algorithms
Cellular Automaton for Minimum Coloring Graph Problem

Diego Castillo Reyes
Marthon Leobardo Yañez Martinez
Aldo Escamilla Resendiz
Muñoz González Eduardo

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1. Introduction

In this investigation we will explore the viability of the cellular automaton for the minimum coloring graph problem. As the first step we will define what is a cellular automaton and in what consists the problem.

Then we will explore the background of each concept, why it was created, and what this technique proposes. After that, we will present the algorithm, which parameters does the algorithm requires.

Finally we will present examples of the usage of this algorithm, and conclude the viability of using cellular automaton for an implementation as the next step in this investigation.