Final Report

“COMPUTATIONAL INTELLIGENCE”

Politecnico di Torino

Academic Year 2023-2024

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6. **Intro**

The aim of the following report is to summarize all the work done while the course of Computational Intelligence hosted by Professor Giovanni Squillero.

All the laboratories and the final project are reported with a description of the solution proposed, the respective key parts of code and the peer reviews.

1. **A\* Set Covering**
   1. **Introduction**

The first laboratory involves solving a set cover problem using an “A\* Search Algorithm”.

Specifically, each element of the universe U consists of a certain number N of Boolean variables. The objective is to identify the smallest subset of the universe in which performing an OR operation among its members yields a sequence of N True values.

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