Master's thesis

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#### Abstract

This is the abstract of the paper. Last to be written.

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# Theoretical approach

### Solution implementation

#### 3.1 Short description

Regarding all theoretical aspects presented in ?? I have developed a solution in order to support those ideas. The foundational building block on which this solution was developed is the Python3 programming language. Python has many advantages and it has become the de facto programming language for different fields and purposes. For this solution it helped me by giving an important jumpstart using the Axelrod library, being the second building block on which this entire solution is built. In the following pages I will explain why and how Python, Axelrod library and different other third party modules have helped me shape a solution and its outputs.

### 3.2 Programming language

Python is a suitable language for this paper.

### 3.3 Axelrod library description

The Axelrod python library builds on the python programming language, thus giving researchers a comprehensive, flexible and stable tool to study the Iterated Prisoner's Dilemma game.

### 3.4 Solution concept and description

### 3.5 Solution outputs

# **Experimental Results**

## Conclusions