

Report 1

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1 Introduction

This is a summary of the progress of the team formed by the union of Gabriel Lau and Juan Ipina.

2 Progress and Development updates

So far we have accomplished turning a string with readable phrases into a set of answers, and we can turn that set of answers into a truth table

3 Core features implemented

Some core features that have been implemented are the ability to parse through a string and grab variable names as well as command phrases. We also added the ability to create a truth table.

4 Challenges

A challenge we faced was parenthesis, since they affect the outputted logic system. We combated this by turning parenthesis into sub-phrases, which let us handle them before other phrases. Another challenge we solved was uneven sets of answers. When equating (A AND B) OR C, the phrase is split into 2 sections with uneven sets of answers, being 4 and 2 long lists. This was solved by iterating through both lists, meaning it did not matter how long either list was. An open challenge we are currently unsure of how to address is handling multiple instances of the same variable name. One possible method of handling is by taking

5 Roles of team members

Gabriel Lau was the leader for this report. Juan Ipina took the job of creating the truth table, while Gabriel Lau made the string→boolean converter.