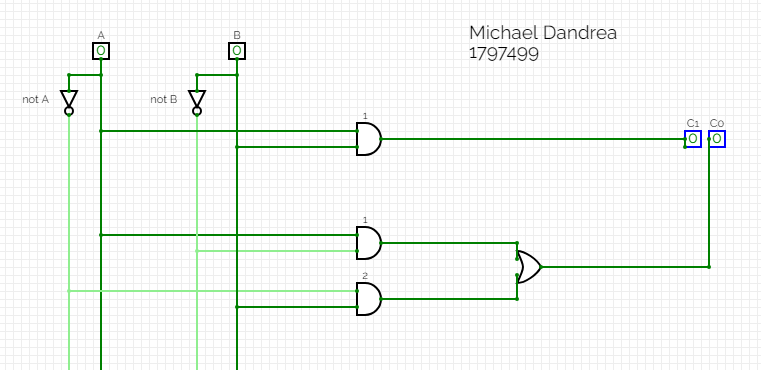
Michael Dandrea

CV00

CV solution for input 00:



CV solution for input 01:

A diagram of a circuit

Description automatically generated

CV solution for input 10:

A diagram of a circuit

Description automatically generated

CV solution for input 11:

A diagram of a circuit

Description automatically generated

Idea to truth table:

A graph on a piece of paper

Description automatically generated

The idea was to add two binary numbers and output the result, so there are two inputs, and two parts for the output, as we need two bits to represent the number 2 in binary.

K-map and Schematic:

A paper with a diagram and diagrams

Description automatically generated with medium confidence

The K-maps represent the outputs for C1 and C0 respectively, which came directly from the truth tables. This was used to find the equations needed to draw the circuit. This example shows the output when both A and B are 1.