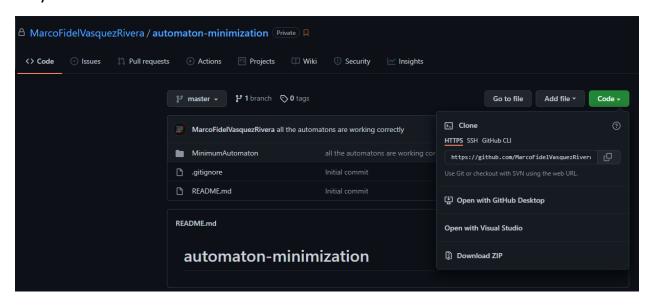
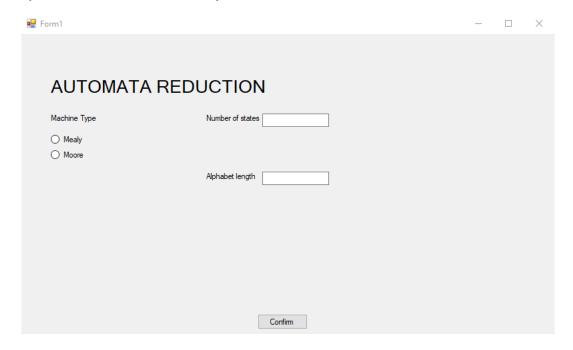
## **AUTOMATA MINIMIZATION**

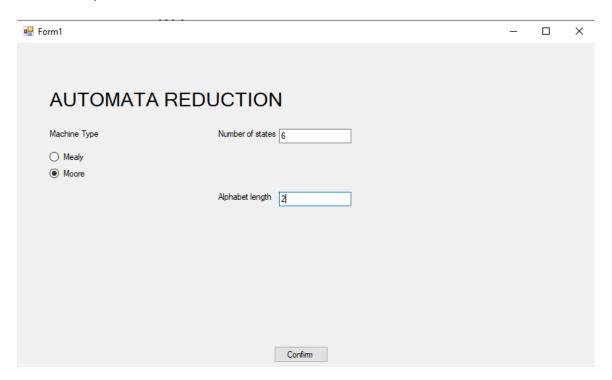
Step 1: Download the program as a ZIP from

https://github.com/MarcoFidelVasquezRivera/automaton-minimization and run it on your IDE of choice.



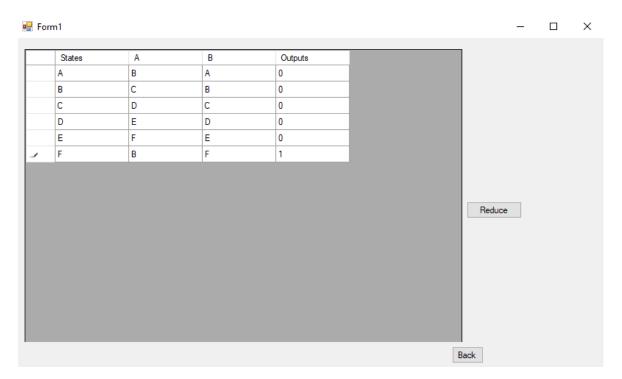
**Step 2:** Select your machine type and fill the number of states(rows) and the number of letters on the alphabet, if your machine is a Moore Machine a column for outputs will be automatically added.



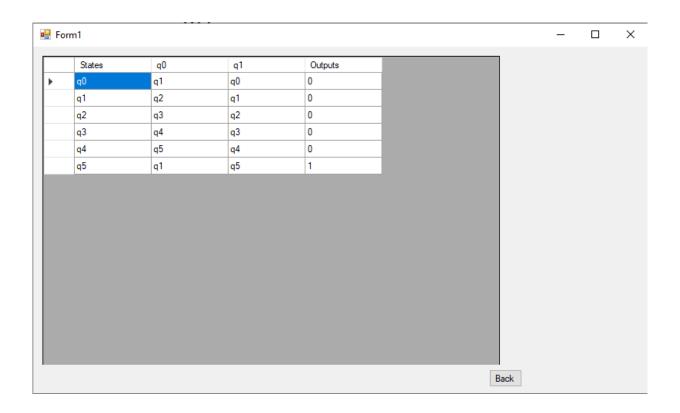


## **Moore Machine example:**

**Step 3:** Fill the table with each transition and output of the automata, the names of the states are editable, however, the transitions must lead to an already defined state.

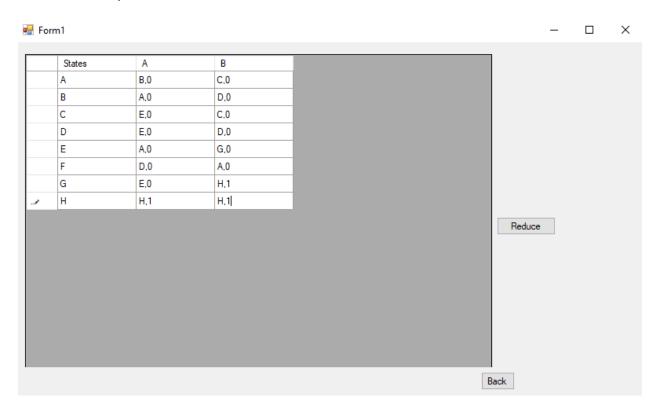


**Step 4:** Once done filling the table, press the "reduce" button to get the machine's corresponding minimum equivalent.



## **Mealy Machine example:**

**Step 3:** Fill the table with each transition of the automata, the names of the states are editable, however, the transitions must lead to an already defined state. Remember that a Mealy Machine has its outputs in the same cell as the transition, this program accepts the nomenclature of stateName,Output (IE: A,0)



**Step 4:** Once done filling the table, press the "reduce" button to get the machine's corresponding minimum equivalent.

