Conor Croft

|  |  |  |  |
| --- | --- | --- | --- |
| Reset | T | Pre | F |
| 1 | 1 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 0 | 1 | 1 | 1 |
| 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 |

The goal of this project is to make a stop watch that can hold up to four digits (10’s min 1’s min 10’s sec 1’s sec) one counter will count to 10 and once it reaches it, the place rolls over to the 10’s second place. That one will count up to 6 and once it hits that it rolls over to the 1’s minute. The circuit has three different buttons, one to reset the clock to 00:00, a T which will run the 1’s second place but it will not allow it to roll over to the next place. Pre comes in because it lets the circuit run and roll over places. Once the circuit is running and Pre is turned off it will save the data on the clock.

