Marco Palmisano

Description:

The workings of the device is to provide a five second timer to the user. The 4 T-FlipFlops provide binary numbers as they count up to 15. My 6 "Number Sections" provide light to a bulb when the binary numbers correspond to each other. Then they count up, and reset at the "sixth" spot which is or-looped to the reset button. So if you needed to time a small time thing in real life, my short term timer would be a great choice!

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X1 | X2 | X3 | X4 | F |
| 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 |
| 0 | 1 | 0 | 0 | 1 |
| 1 | 1 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 | 1 |
| 1  0 | 0  1 | 1  1 | 0  0 | 1  1 |



