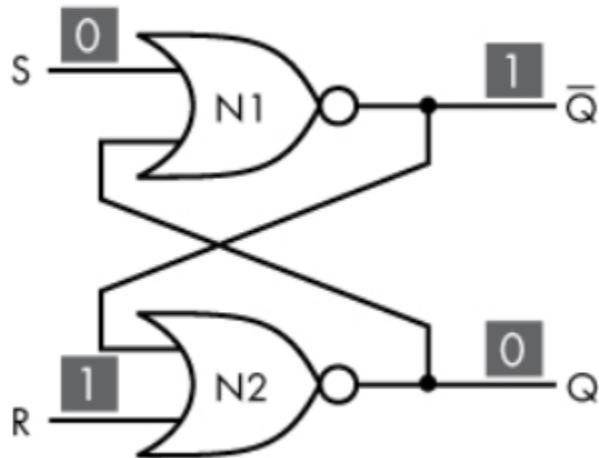
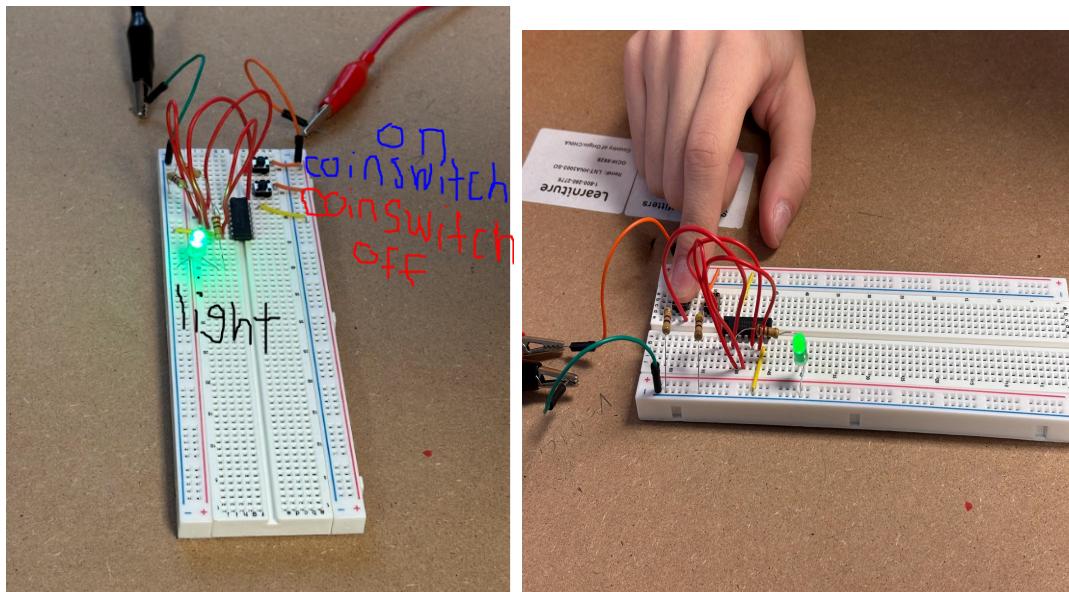


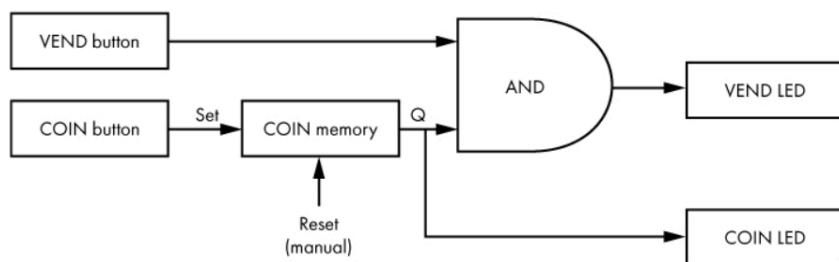
The bread vending machine started out with a SR latch implemented with cross coupled NOR gates.



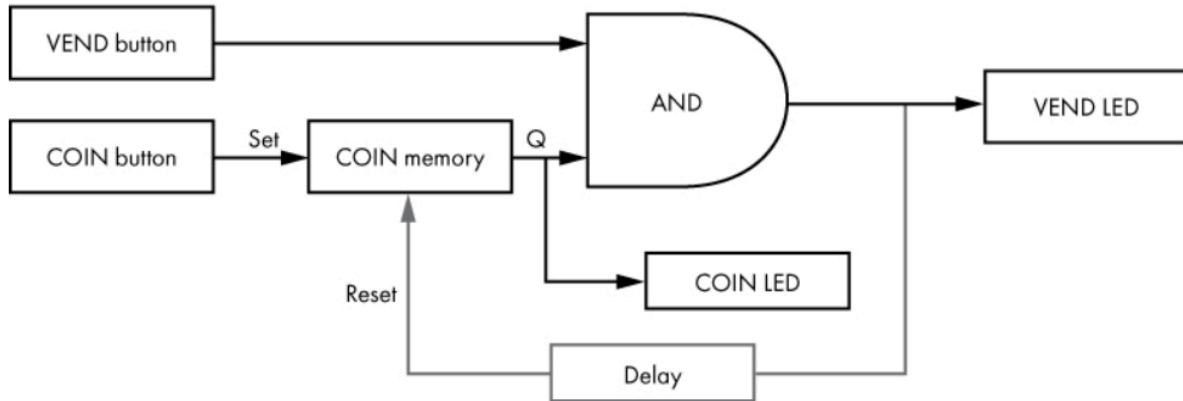
Here's the live breadboard version of the SR latch on and working off



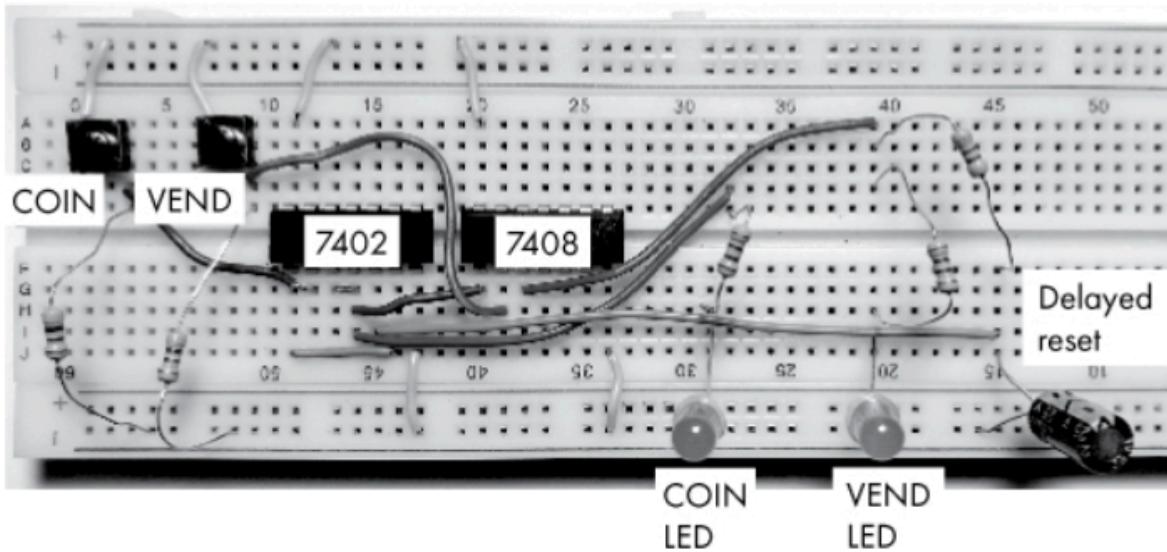
Here's another version of the SR Latch



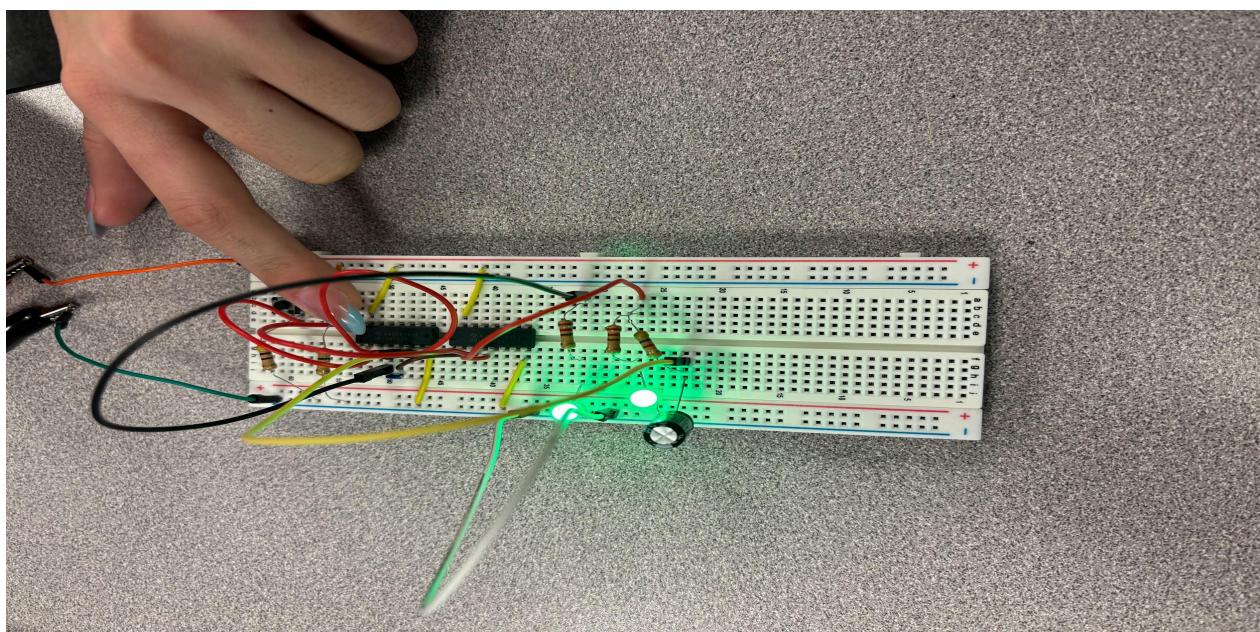
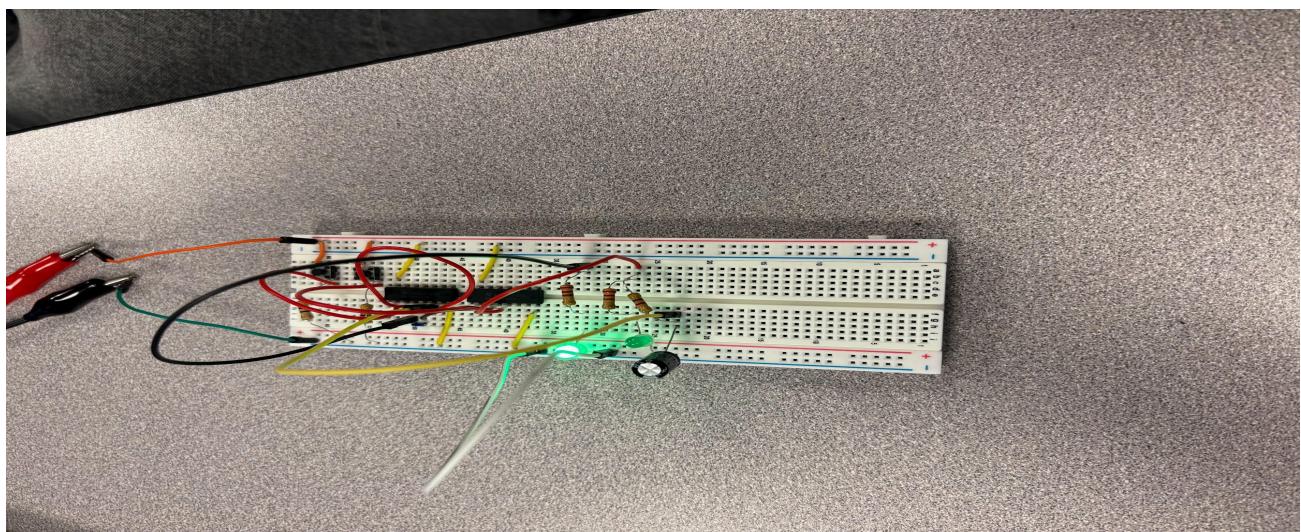
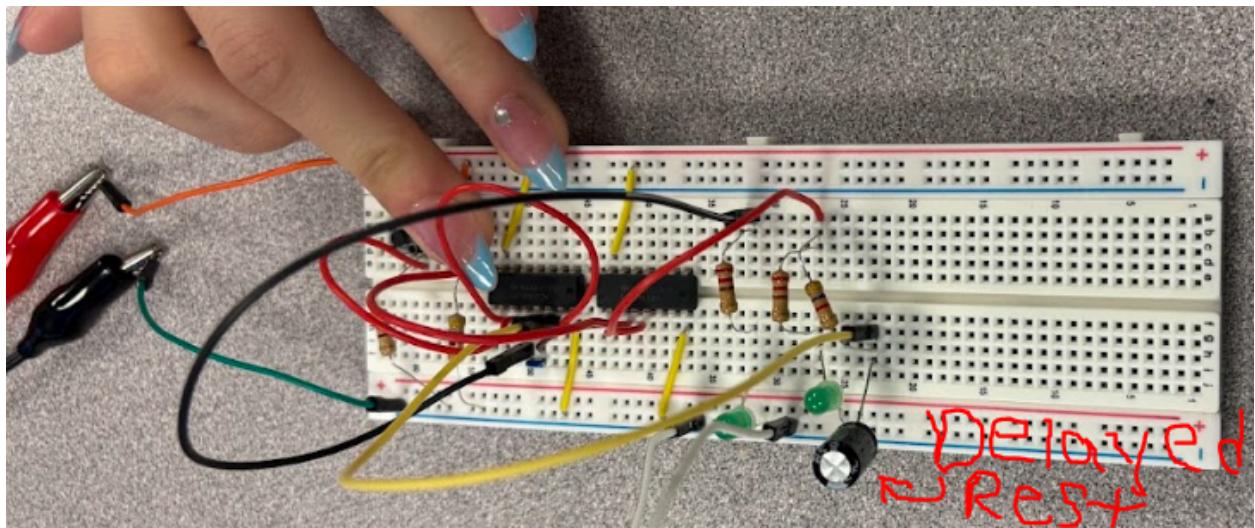
Then after creating the SR latch we added a capacitor component which creates a Delay. We use a capacitor component because it stores the energy. It has two terminals.



This is the live breadboard of the SR latch with the capacitor which is creating the delay in the book.



Next is my breadboard of the SR latch with the capacitor. All three pictures show the LED light off, one of the LED lights on which is the delay, and both of the LED lights on.



Vending machines has come a long way from the days specifically, the late 1800's. The machines only offered cigarettes, peanuts, and little trinkets



References:

[https://www.bonappetit.com/entertaining-style/trends-news/slideshow/history-vending-machine?
srsltid=AfmBOorcDJr1KFNp0bZgwOcSDFUkubHtoMsOgUzYIHdGXbtR3cwiT7Rd](https://www.bonappetit.com/entertaining-style/trends-news/slideshow/history-vending-machine?srsltid=AfmBOorcDJr1KFNp0bZgwOcSDFUkubHtoMsOgUzYIHdGXbtR3cwiT7Rd)