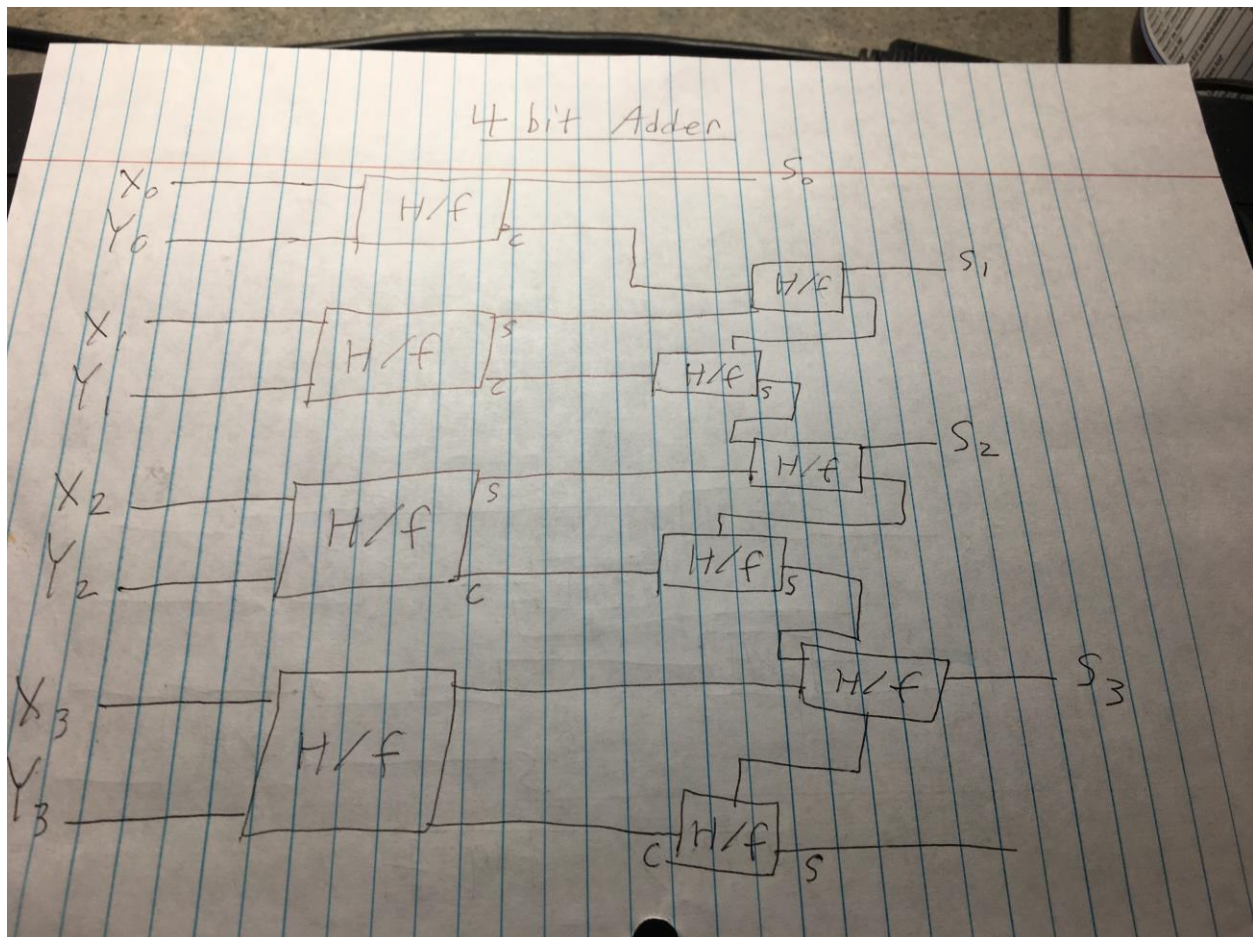Bryan Arnold

CSE 3666

4/5/17

Extra Assignment: Decimal Adder

Since a 4-bit adder will be like a 1 bit adder, we only need to replicate the creation of a 1 bit adder 4 times. They also would need to be connected to one another. The following figure will show the creation of a 4-bit adder:

An example addition for this adder would be the following. Let $X = 4 = 0100$ and let $Y = 3 = 0011$. Using the adder, $S_0 S_1 S_2 S_3 = 0111$.