

Arduino
Duemilanove
www.arduino.cc

Embedded "app"
of the day

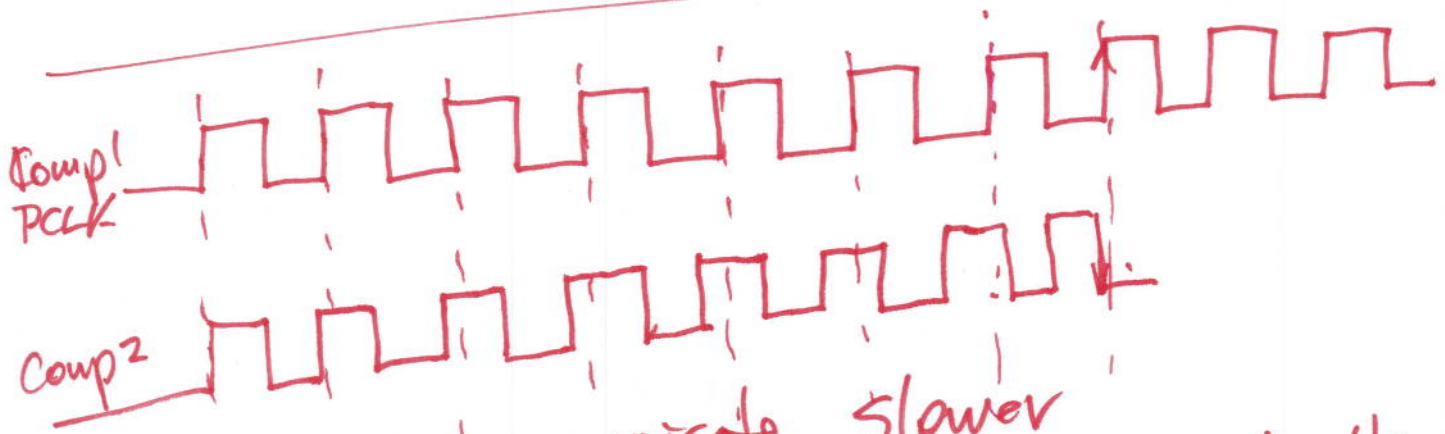
$$N = \frac{PCLK \times 10^6 \text{ MHz}}{64 * 2^{2n-1} * B}$$

B = bit rate
N = BRR
n = CKS

$$N = \frac{50,000,000}{64 * 2^{-1} * 38,400}$$

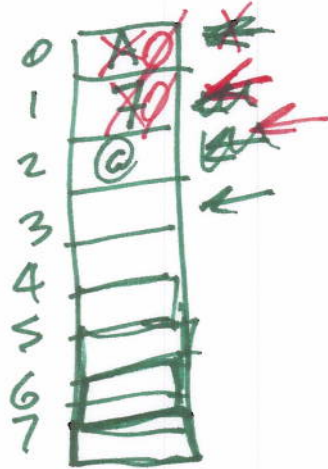
$$= 40.69 \leftarrow \text{error}$$

B = 38,400
n = 0



Why communicate slower
"Sync" clocks better

(2)



Q-T → Data = Contents
→ Head = ~~0~~ 2
→ Tail = ~~2~~ 3
→ Size = ~~0~~ ~~2~~ ~~3~~ 1

Receive character 'A'
Receive character 'Z'
Receive character '@'
Consume a character (clear out queue element)

Consume a character