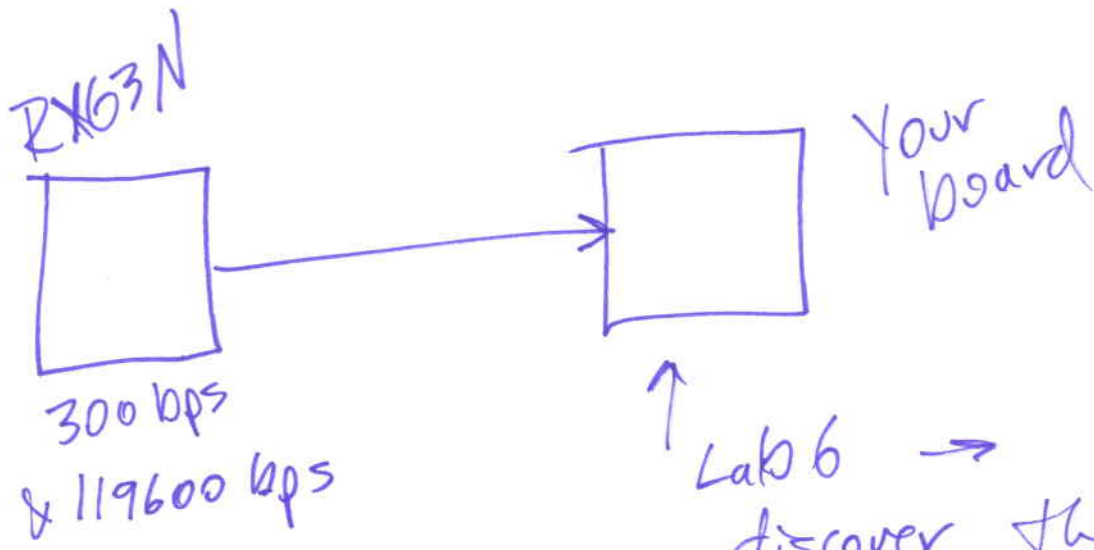
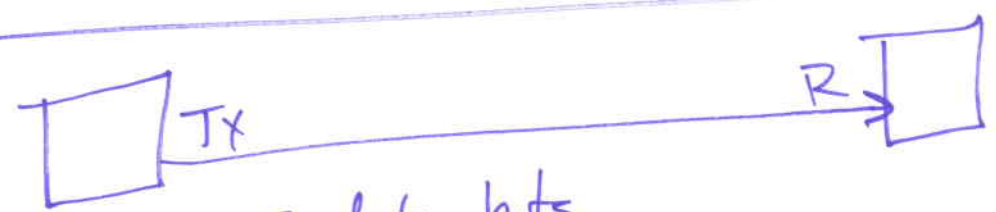


①



Lab 6 →
discover the
speed of the
sending board



Assume
8 data bits
2 stop bits
even parity
600 bps

How long does it take to transmit
all bits?

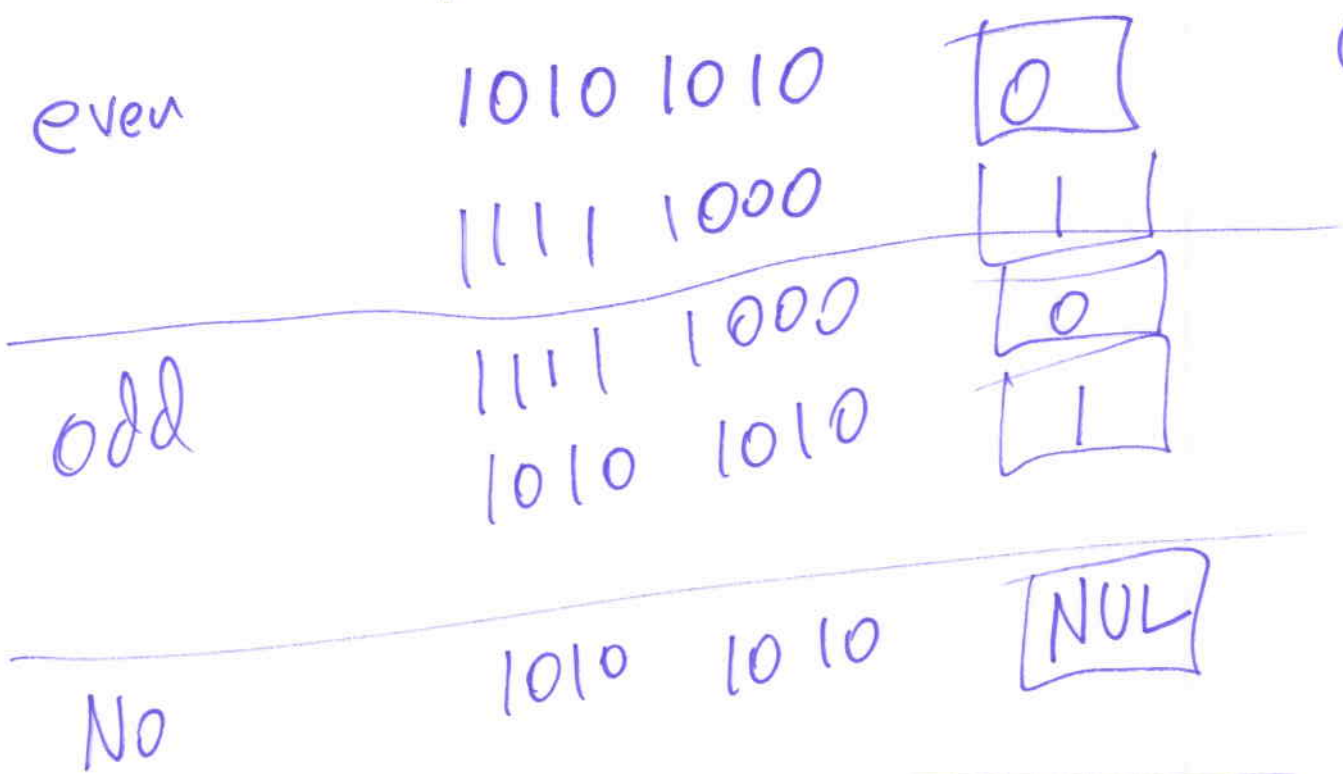
$$\text{Total bits} = \underset{\text{data}}{8} + \underset{\text{stop}}{2} + \underset{\text{Par}}{1} + \underset{\text{start}}{1} = 12$$

$$\frac{12}{600} = 20 \text{ms}$$

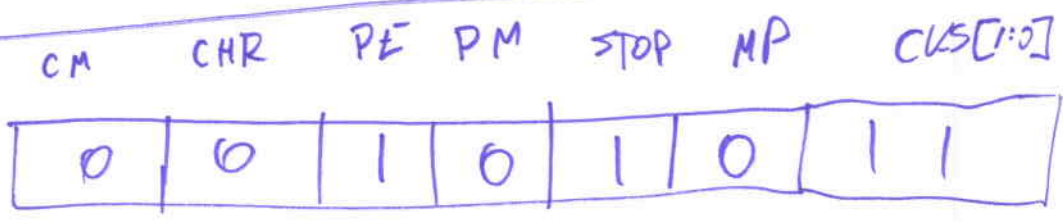
Embedded Systems -

2015-10-22

(2)



Remember our Comm environment
600bps
even parity
25 stop & data



$$SCIO.SMR = 0x2B;$$

Remember our problem
PCLK

$$N = \frac{PCLK}{64 * 2^{2n-1} * B}$$

B = bit rate
N = BRR setting
n = CLKS setting

600 bps
Compute BRR

$$= \frac{50000000}{64 * 2^5 * 600}$$

$$= 39.69 \text{ round, so}$$

$$\Rightarrow 40$$