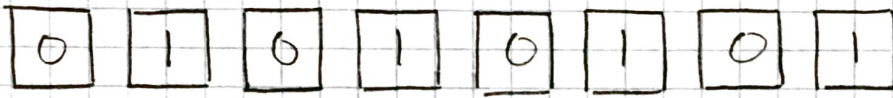
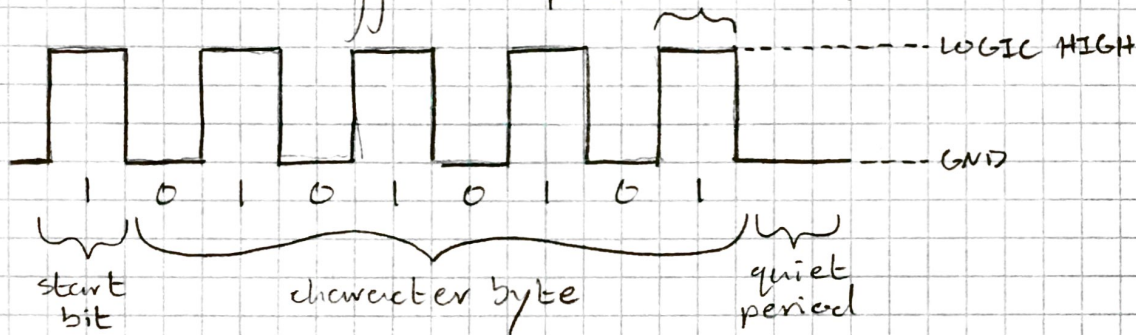


A robust IR communications protocol for Arduino. Will transmit and receive messages in spite of blocking interference, extraneous IR interference and simultaneous messages from the partnering board.

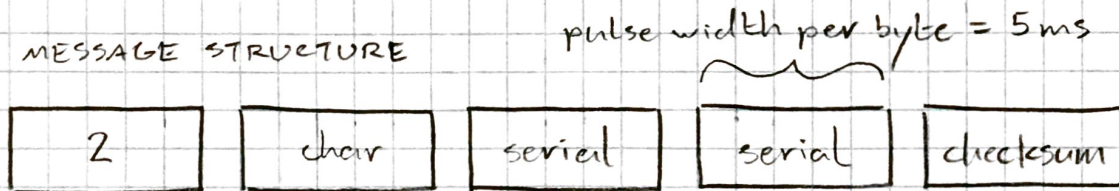
### CHARACTER STRUCTURE



The 8-bit value of a char. 1 = IR is on,  
 0 = IR is off. pulse width = 500  $\mu$ s



### MESSAGE STRUCTURE



The preamble bit ('2').

The character to send.

Two copies of this message's serial number. Protects against corruption by interference.

The sum of the preceding bytes for verifying successful receipt of the message.

Here, "message" still means a single character, but this time included within a robust "package" which will ensure its successful receipt.



# OPERATIONAL STRUCTURE

