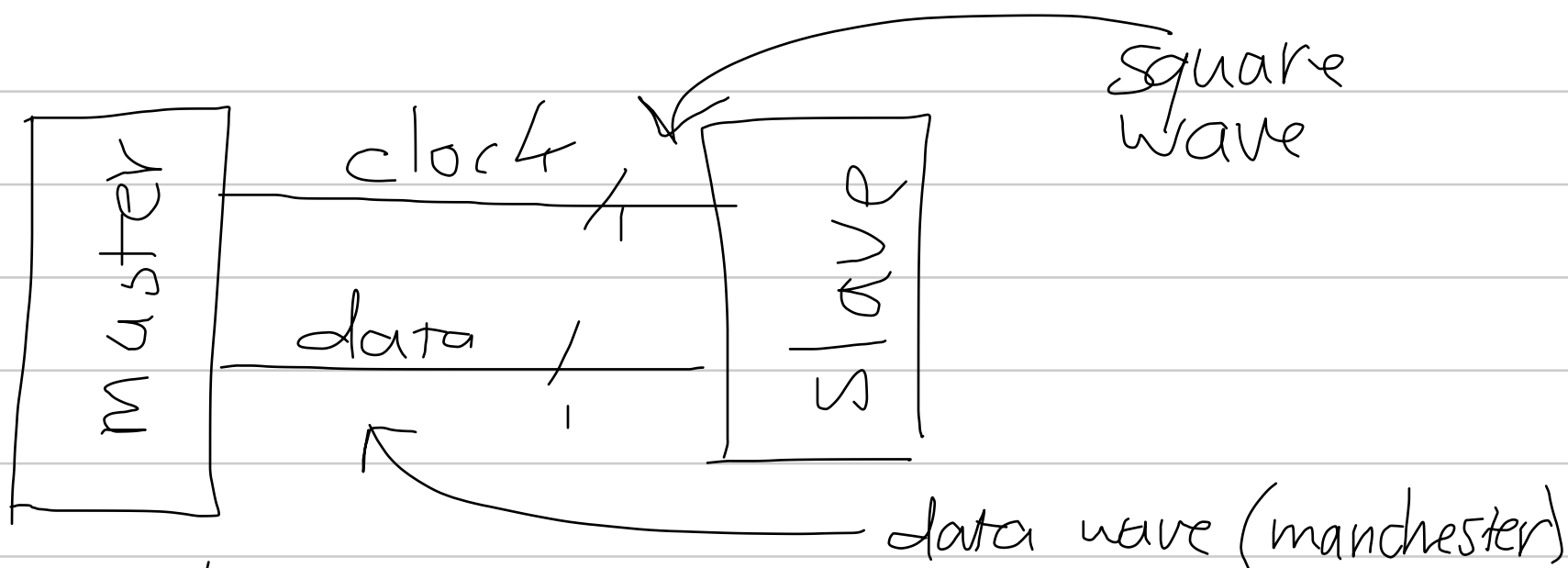
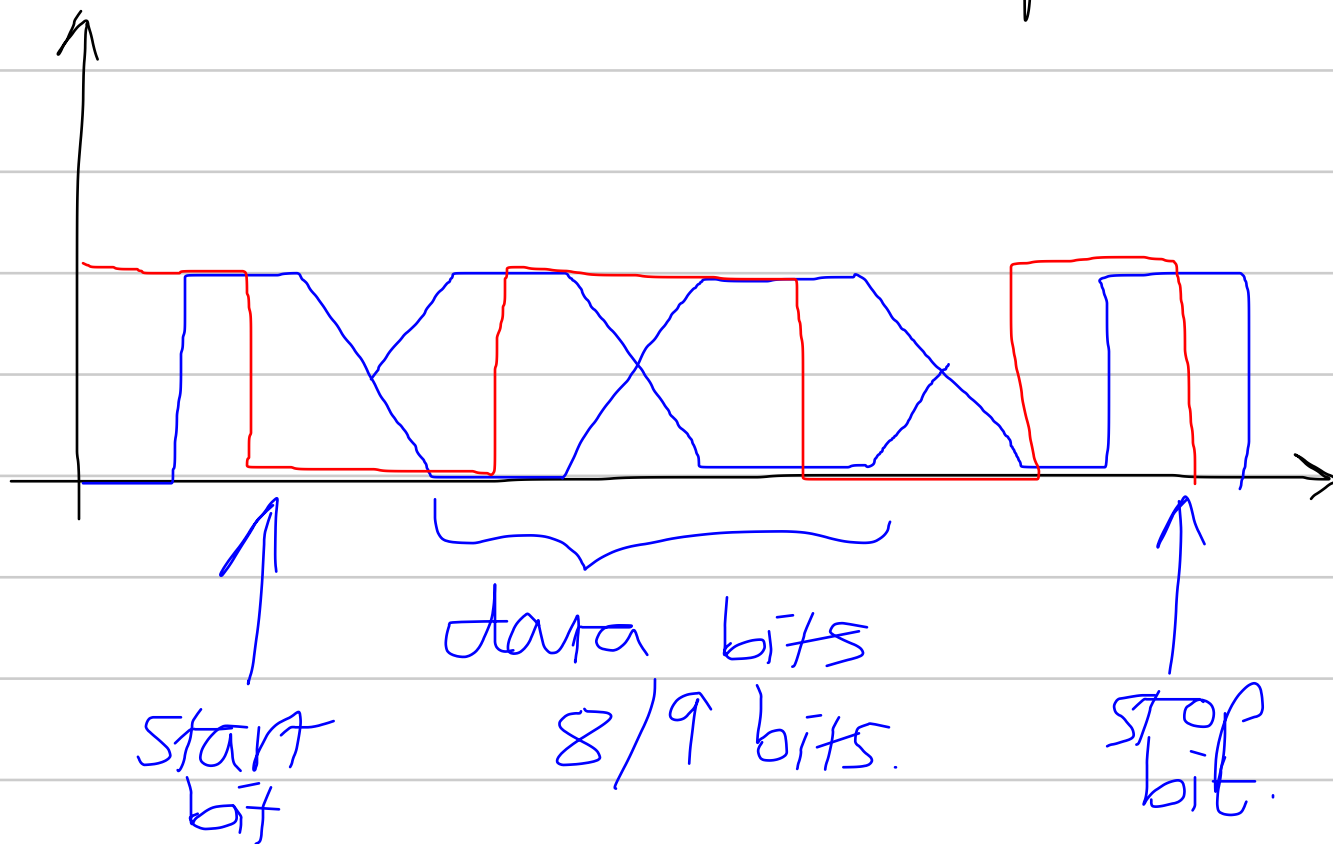


USART

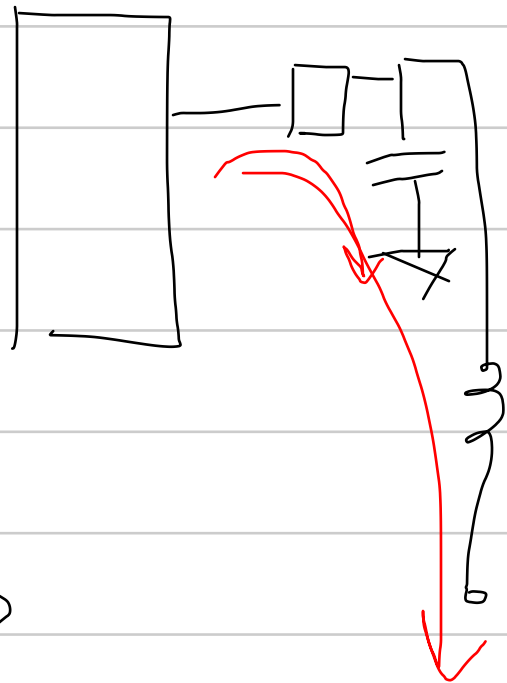
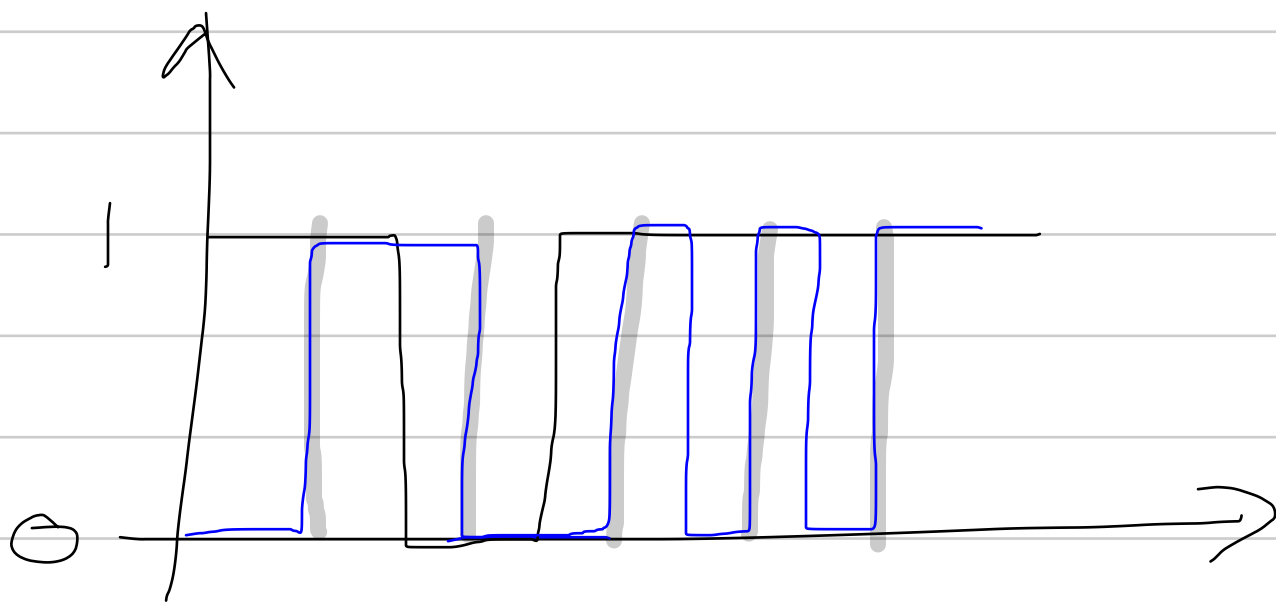
Hackers Manifesto

Baud rate \equiv transmission of bits per second.



9600 baud rate barrier was broken with sync transmission.

Manchester Encoding



— ≡ level encoded

: 1 0 1 1 1

— ≡ manchester encoded

Parity and Error checking:

Even ≡ the sum of even bits

Odd ≡ the sum of odd bits

None ≡ do nothing

$$\begin{array}{cccc} \underline{1} & \underline{0} & \underline{1} & \underline{1} & \underline{1} \\ & & & & \text{red} \end{array} \quad \begin{array}{l} E = (1 + 1 + 1) = 1 \\ O = (0 + 1) = 1 \end{array}$$

Stop bit duration:

1 1.5 2

