frame synchronization

this is step one of "make computers talk to computers" how do we decide where one message **ends** and the next message **starts**? if something goes wrong, how do we get un-confused?

how do we decide if a solution is "good"?

efficiency in "wire utilization"



robustness to: data loss data corruption desynchronization 3

simplicity

let's imagine a telegraph...

one sender, one receiver: they don't control the content of messages they send

how do they "frame" messages?

"in band" vs "out of band" signalling

They could use "line silence"



They could use "length header"

3

They could use a "flag word" (aka "byte stuffing" or "escaping")

My favorite: COBS Consistent Overhead Byte Stuffing