ARQ Protocols

Where are we?

Stop-and-Wait ARQ: "Safe" and "Live"

Next:

- Can we implement Stop-and-Wait ARQ
- Is Stop-and-Wait ARQ efficient?

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ARQ Protocols

Where are we?

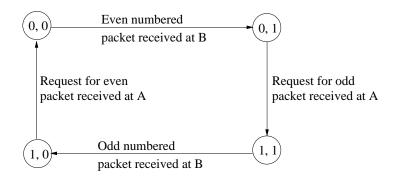
Stop-and-Wait ARQ: "Safe" and "Live"

Next:

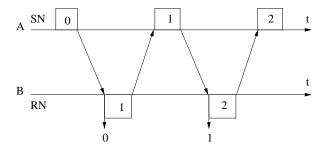
- Can we implement Stop-and-Wait ARQ
- Is Stop-and-Wait ARQ efficient?

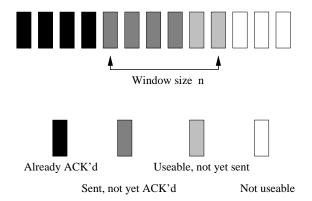
Sequence Numbers/Request Numbers

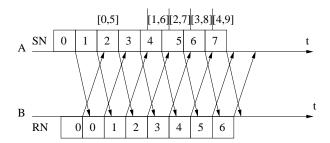
Stop-and-Wait ARQ Using Modulus 2

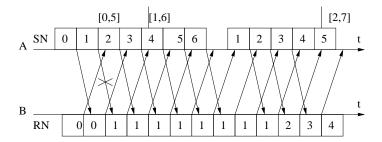


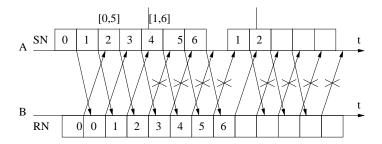
Is Stop-and-Wait Efficient?

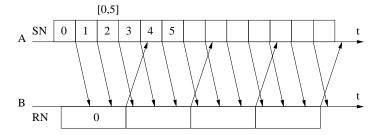




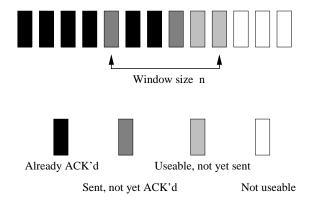




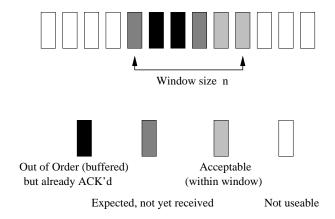




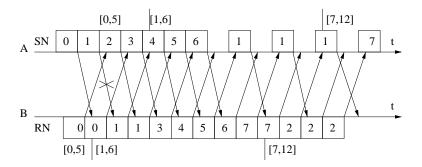
Selective-Repeat ARQ: Sender



Selective-Repeat ARQ: Receiver



Selective Repeat ARQ



Conditions for Modulus m

- Go-Back n ARQ: m > n
- Selective Repeat ARQ: $m \ge 2n$