

- Feedback is common in practical communication systems for correcting possible errors which occur during transmission.
- Daily examples: phone conversation, classroom teaching.
- Data communication: the receiver may request a packet to be retransmitted if the *parity check* bits received are incorrect (Automatic Repeat-request).
- The transmitter can at any time decide what to transmit next based on the feedback so far.
- Can feedback increase the channel capacity?
- Not for DMC, even with complete feedback!