Hybrid ARQ

➤ Type I

- data are encoded with a forward error correction code
- if there are still errors in the packet, a retransmission of the packet is requested
- the erroneous packet is discarded

➤ Type II

- the retransmissions are not identical with the original transmission
  - ? additional redundancy information
- the additional redundancy is combined with the previously received packet

➤ Type III

- type II - retransmissions are not self decodable
- type III - each retransmission is self-decodable
- the data can be recovered from the retransmitted packet without combining if it is transmitted with sufficient quality

Priepustnost H-ARQ - Porovnanie

Relatívna bitová priepustnost (y-axis)

Bitová chybovost BER (x-axis)

H-ISR, typ I

ISR

Znízenie priepustnosti H-ISR
v dôsledku extra paritných bitov
samoopravného kódu