Digital Communication I 200/ML BZZZ a) ARG - defect los and request retransmission Can conspend information so that receive loss loss enry.

perfect compression - original implican be reconstructed exactly. b) compression over ARG over FEC Fel only useful as boust layer here, Compressing the just steps it functioning (ARB could arguably be done ever congression). c) is nonny ARG data field over head: · Study at &B but with am sh & and delay ?. bits in channel: RB If N/S R Hen love & EB every error. If W < Es A los.

c) Work and trough put, delay, ever rate of channels undulying: B, T, Eo FEC'd: BR, T, G, ARQ'd: two cases W>2TBR, W<ZTBR. note but error on energy every to bits

Determine time to send to, bits and add mind

trip for retainsmission (selective) or their away

one channel tull of informalia (so back in) W>20BR: Em free, É, buts tale BB EBR #, so with order round trip, EBR+22 so rek is $\frac{1}{\frac{1}{BR} + 2TE} = \frac{BR}{1 + 2TEBR}$ W<27BR: Enor free & bit the &. 20 & will extra nound top 27 [ENW + 1] so rate is $2\tau[\frac{1}{W}+\epsilon] = \frac{W}{2\tau[1+W\epsilon,]}$ so after compression, rakes are to BR for by W> ZaBR i 20/14WE,7 else.