for a Bandrimit & time limit wave form channel. C = Weoge (H. L.) bits/sec 1. C > 0 as P > 0 if w, No Jemains Constant 2. Suppose P is fixed, No. is fixed. w is morequing et wooge (1+ fro) C = lt loge. ln(1+ Eno) Prano No. = (eoge) P. et en (1+ En)
- (eoge) No. P. >0 (P)
WNO) = (loge) F C = 1.44 F as woom the channel capacity attains a constant value. Knows theorem.

mil skribit sate R<-Composition then as what increase

Hence, abbitratin Bitrate

abbitratin Elvis bolomistica (2) +1) me +1 3/2 (09) = S. (3802) = AHH.

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