Networks ch 3 HW

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a) A>S	467	23
b) B75	S13	23
c) 57A	23	467
d) 57B	23	513

e) yes

Sum= 00101110

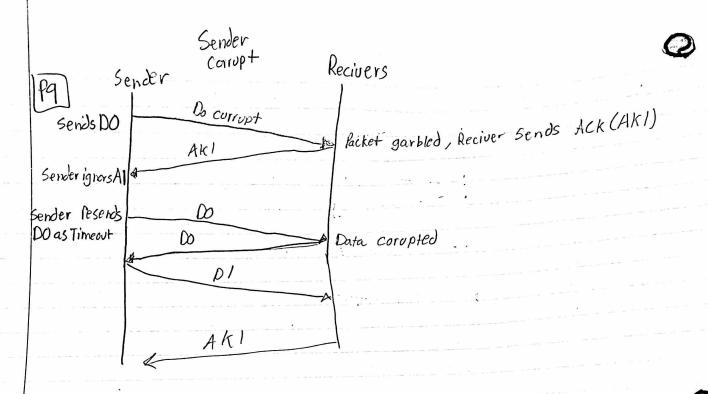
~ Sum = checksum = 11616661

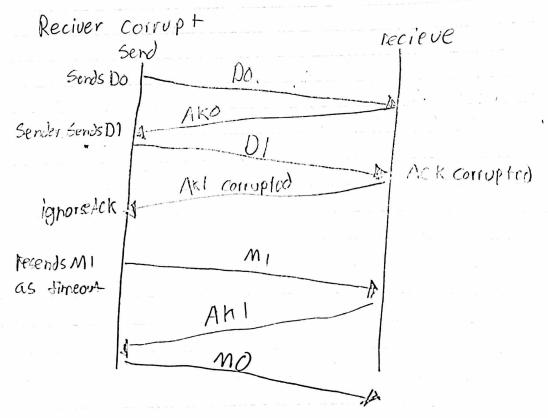
1's cromp = 11616601

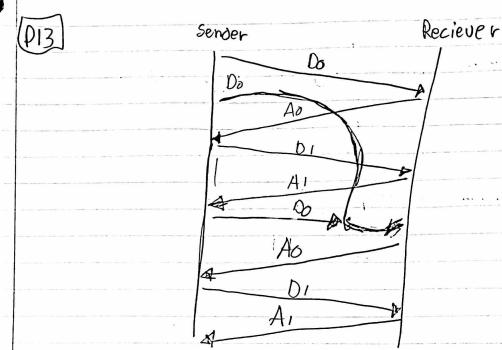
- · if sum has all 1's, thenerior
- · if sum Contains more I's thon O's , then error

PS

- o I's compliment of Sum is concidered checksum so when Checksum is used to delect errors, the errors remain in under cover
- is a scope for flipping zeros and 1's. If bits are fliped, sum will be same and can't detect error







$$\frac{98}{100} = N \cdot \times \frac{0.012}{30 + 0.012} \qquad N = 2450.98$$

[P22] a) Case 1: Assume reciver is K to acknowled all
K-1 packets. Window range is [k, K+N-1]

Case 2: senders window range is [k, k+N-1] the senders range is [k-N,k-1]

b) the Ackfield will be [k-N,K-1]

So all possible values of ACK field are blun K-N-1 & K-1

[P23] The Sequence number space must be twice as large as the window (2w)

(P24) a) T b) T c) T d) T