C) frame = fled + HSG (APPend'ò after each 5'1) + flad L= 0111110, 01000 111, 1101000 11, 1110 000000, 0111 1110 110
* Overhead = 183 te * 18 th C's an error little charcount, it loses sync runtil reset b) Frame, flag, MSB[A, B, 185c, Flag], flag Ly all 1110, aloo 111, 1110 and and, 111 and and Esc * overhead) max = 2 * 8 + 2 * Oata * if all charave Esc or flag * if the start flag was corrupted, we will lose this frame bedwell * velover after sync[Next Rame]. Start + Data + End + Start + * sync C) Frame of flag + HSG (APPend & after each 5 1) + flag Ly all 1110, aloo 111, 110 and 11, 1110 and 11, old 111110 * overhead = 2 * 8 + 1 * no of Case 1 = 16 + 3 = 19 bits * Receiver y => same as byte Stufflag
* Overhead = 183 te * 18 th C's an error little charcount, it loses sync runtil reset b) Frame, flag, MSB[A, B, 185c, Plag], flag Ly all 1110, aloo 111, 1110 and 11, 111 and an esc 111 and an officer of fall charave ESC or flag * overhead max = 2*8 + 2* Oata * if the start flag was corrupted, we will lose this frame bedwill * velover after sync[Next Rame]. Start + Data + End + Start + * sync C) Frame of flag + HSG (APPend & after each 5'1) + flag Local 1110, aloo 111, 110 1000 11, 1110 000000, all 110 10, all 1110 * oll 1110, aloo 111, 110 1000 11, 1110 000000, all 110 10, all 1110 * overhead = 2*8 + 1* no of Case 1 = 16 + 3 = 19 bits * Receiver y => same as byte stuffing
h) Frame, flug, MSB[A, B, \ESC, \flug], flug Ly 0111 1110, 01000 111, 111000 11, 111 000 00, 111 000 00 111 000 00, 0111 1110, 3111 1110 ESC ** OVER Rest) max = 2*8 + 2* Outa ** if the start fleg w.s corrupted, we will be this frame but will ** Vecover after sync[Next Frame]. Start + Duta + End + Start + ** sync ** C) frame & flug + HSG (APPend & after each 5'1) + flog Ly 0111110, 01000 111, 110 000000, 0111 110 10, 0111 1110 ** OVER Rest = 2*8 + 1* no of Case '1 = 16+3=19 bits ** Recovery => same as byte stuffing
h) Frame, flug, MSB[A, B, \ESC, \flug], flug Ly 0111 1110, 01000 111, 111000 11, 111 000 00, 111 000 00 111 000 00, 0111 1110, 3111 1110 ESC ** OVER Rest) max = 2*8 + 2* Outa ** if the start fleg w.s corrupted, we will be this frame but will ** Vecover after sync[Next Frame]. Start + Duta + End + Start + ** sync ** C) frame & flug + HSG (APPend & after each 5'1) + flog Ly 0111110, 01000 111, 110 000000, 0111 110 10, 0111 1110 ** OVER Rest = 2*8 + 1* no of Case '1 = 16+3=19 bits ** Recovery => same as byte stuffing
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* Overhead = 2*8 + 1 * no of Case 1 = 16+3=19 bits * Relover y => same as byte stuffing
Q12 No, we need the Start flad to know if the Sender Started Sending data or we are Just reading Nitse and the sender is silent.
Sending data or weare Just leading Nilse and the sender
Q13) Yes, - if we lost a bit from the startland flag
Q13) Yes, - if we lost a bit from the Start tend flag L7 Hiss the Frame L7 O' 1' was list ked after 5'o' L7 errornus flag!
Ly errornus Flaj!

EvenParty odel=1 Lixor Seven=0 ENOY Detection of Grection Q:1 HSG => 1101 0011 0011 0101 \$166if m=16, m+v+1 < 2" => 17+++1 < 2", v=5 => n=m+v=21 n > P, P2 m3 P4 m5 m6 m7 P8 H9 H10 H11 H13 H14 H15 P16 H17 H18

Send > 1 1 0 1 0 0 1 1 0 0 1 1 0

Vec -> 5end n-> HIJI H20 | H2 Pi = XOR (N3, 145, H4, H9, Mu, H13, H15, H17, H15, H21) = 0 B=XOR(M3, N/6, M7, N/0, Hu, H/4, H/5, M8, X19)=1 R1=XOR(m/5, m/6, m/7, m/12, m/13, m/14, m/15, m/20, m/2)=1 P8=XOR(M), M10, M11, M12, M13, Mu, M5)=1 A6=X6R (M17, m/8, m/19, m/20, m/21)=1 Bit 20 Was modified (0-1) redate P6=0, P4=0
P16 P2 P4 P2 P1

Rayety P6=0, P4=0 - P16 P2 P4 P2 P1 Old Parity: 1 1 1 1 0 New-: 01010 5/m: 10100 Dec, 20, we manufed to detect that the MAY C5 En bit 20

