ARD OF STUDIES 25a. P C P L ŧ. - 1 L 0 0 0 1 0 1 0 0 0 0 ii. A full adder is used to and 3 binary dijuts together using 3 inputs and 2 outputs A full adder can be constructed using Q half adders by adding 2 bits together in a half adder, the obding the carry but to a third but, and kapping the sum of the 1st 2 bits 2 5 corry. HALF ADDER came Sum Ð HALP ADDER Sum B

OF STUDIES integer represention à when numbers <u>b</u>. the counting country whereas they w represented -> point representation represents numbers as Float an integer, with a mantissic and an exponentic binary Integer representation is useful user storing whole numbers which are not large, and whereas Floating Point Representation is used with large numbers or numbers that need exam pracision. C.i. Right 178 millimeters Up all millimeter ñ. . J11 + 178 remainder 3 1 29 13 remainder = 12.

BOARD OF STUDIES iii/ BECIN Packet 4 is integer act Data from Stringin Darta Length = HEN correct Length 20 iii. BEGIN Correct Length in Meger Packett is integer Remainder is integer Extract Data from String In IF Data Length # Eg correct length THEN Packet + = Data Packet 1 + Data Packet 2 Packet 4 = Packet + = 13 Romainder: remainder of Packet4:13 IF FRANCE Remainder & 7 Checksum THEN Display Error Message ELSE IF Product Duto Packet ] 128 THEN Right More (Datapacket - 128) millimeters ELSE Left (Data Packet 1) millimeters Mare -Dean ENDIF

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BOARD OF STUDIES IF Data Packet 2 ), 128 THEN Move up (Darta Packet 2 - 128) millimeters ELSE nillineters. Mare Down (Datapacket 2) ENDIF ELSE Display error message ENOIF ENDIE END.