* By yate 2023 DL and TOE Lecture 7 * Finding 1's and 2's compliment Bases (101011.11)2 1115 complinent 26- (101011.11)2 | 11/11/11 -101011.11 010160.00 2's complimet > 1000000 00 101011011 010100.01 Subtraction using "s" and "(2-1)"'s compliment why compliments we want to do subtraction using adder circuit. Subtraction using 8's compliment
136 -> meny end 136 - 53 __ , Subtrahand _ 053 1000 trailor 200 $\frac{1000}{-053}$ =7 +947 -1083 K-1000 Genore 83 /The Good

Take 10's compliment of subtrahand and add it to menuend (once i) If final carry generated then and is positive & is given by after ignoring the carry (ax 2) if final carry is not generated the and is in 10's compliment form. Carel 04 0 = 46 46 -25 0) +105 46 + 75 =7 100 => -(100 - 79) Bares 2's compliment of subtrahand 1/00010 Jus! And

Rule of 2's compliment subtraction take 8's compliment of Subtakand and add It to menuend [mater dijus If final carry is generated then ans is positive 8 is given by after ignoring the carry -> But it corry is not generated than one is negative & is 8's compliment form. * Subtraction using (2-1)'s compliment Base 10 136 = 136 999 = + 956 -043 = 1092 in ter last end around 93 Ans

