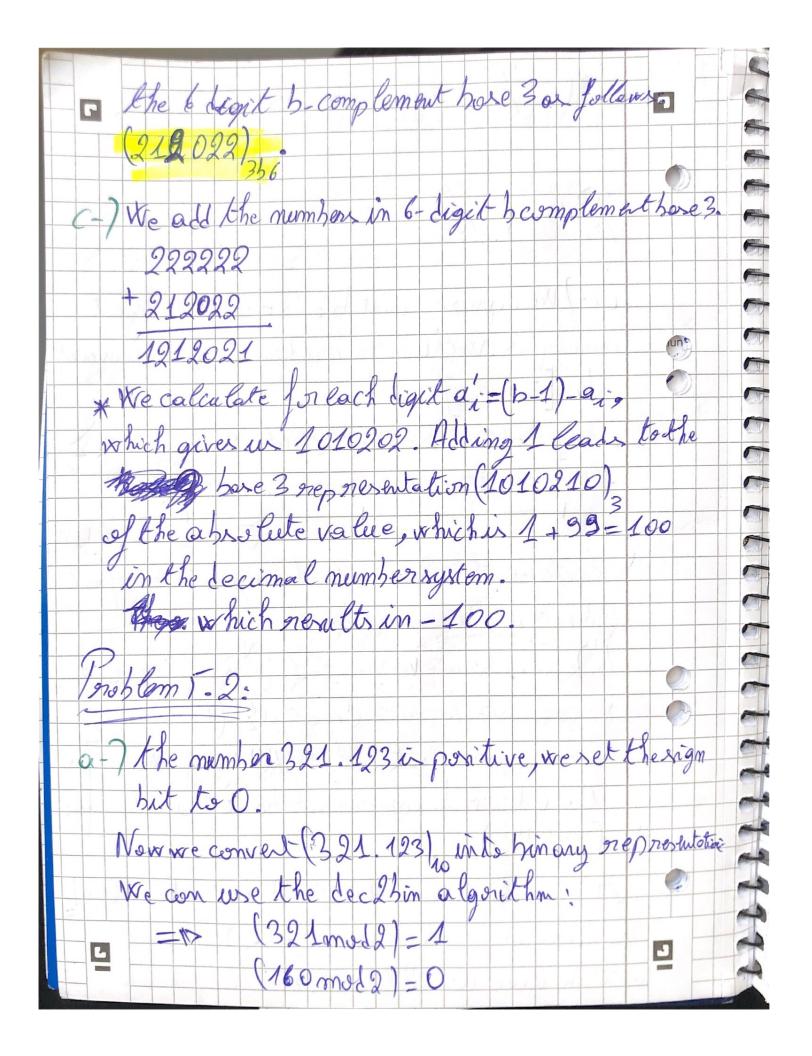
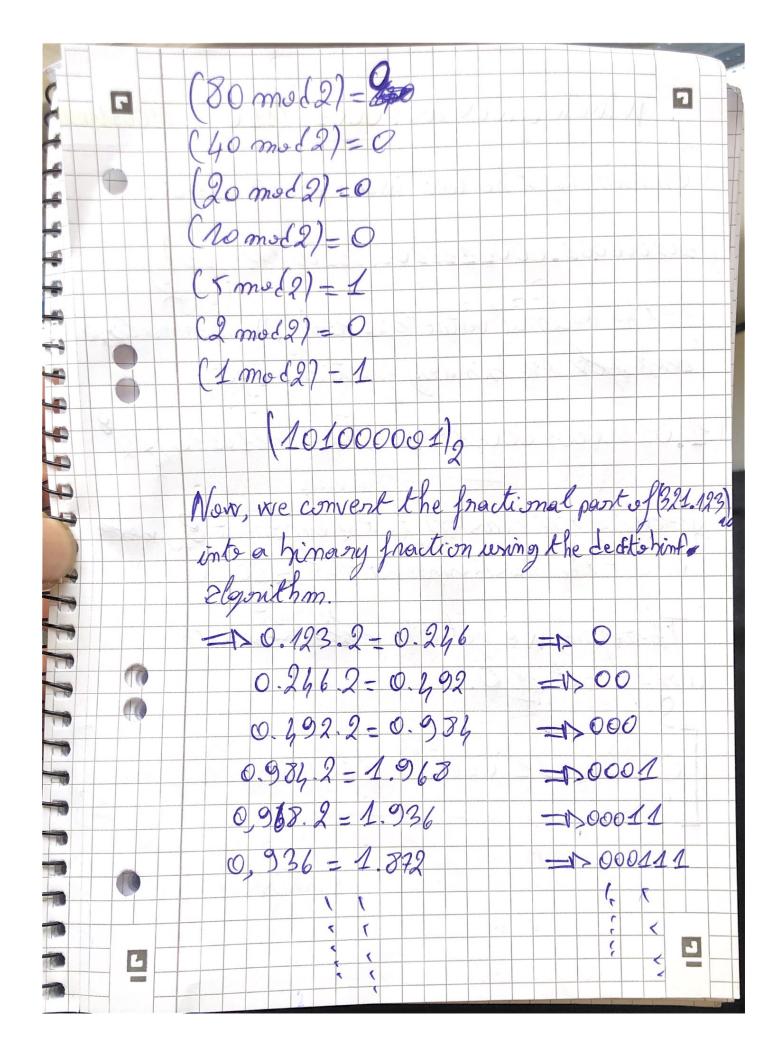
noblem Sheet #05 noblem 1.1. a-) We can represent 5= 3=729 different numbers. With Oin the mid range, we can coverit by -364, 364000000 3 complement, Edigits because the number exeten has a fixed rize of n=6 digits and a hone of 5=3 In The absolute voitue of - 1 in bore 3ie (000001) We calculate for each digit a'i-(b. which gives us 222221. Adding I sty give as the 6 digit 3-complement have 3 ar Jollows. 22222 356 It about the value of - 99 in hore 3 in (010200). We calculate for each digit a!= b-17-a; hich give w 212022. Adding Lgive in





Which over w: 0001111101111001110110 ombrimes the lost two nexults we get: 101000001.0001111101111100111011 In the decimal value 321.193) We normalize 010000100011111011111001110110110)+2 we get the biased enponent 13; = 10000111) Therefore, we get the and with a sign bit of O. 000011 010000010001111101111001110110 enpone Montino L