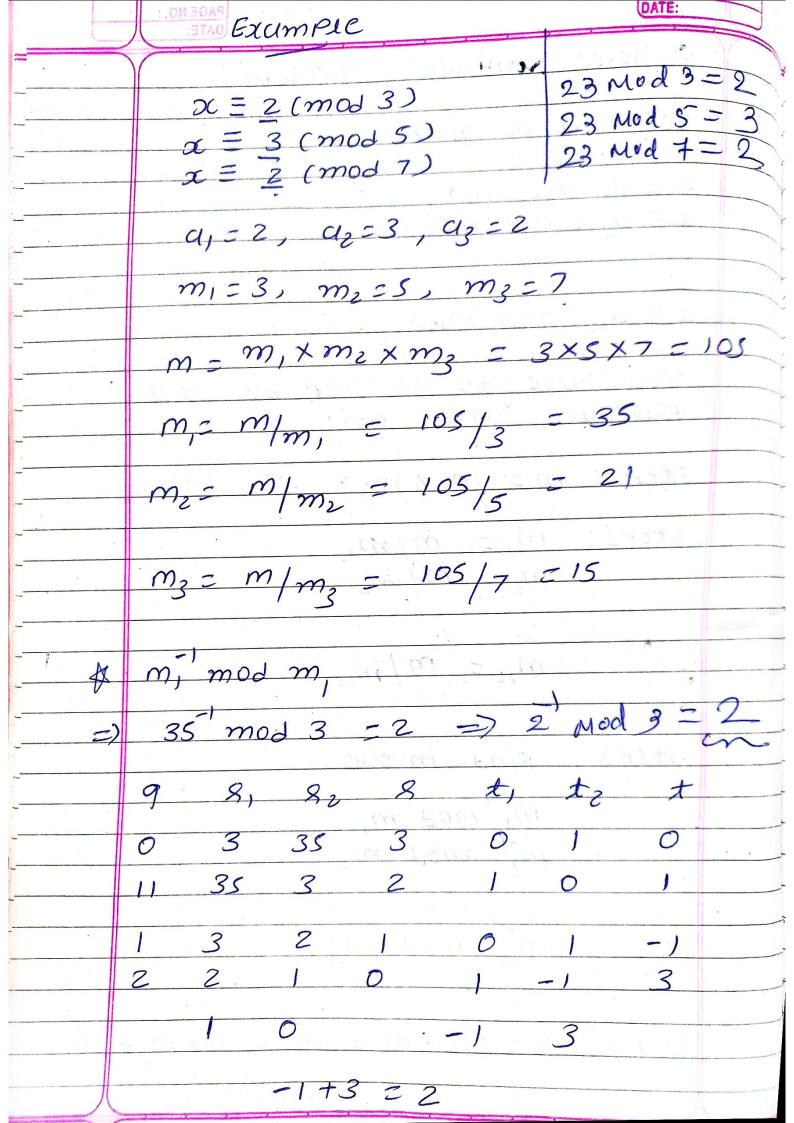
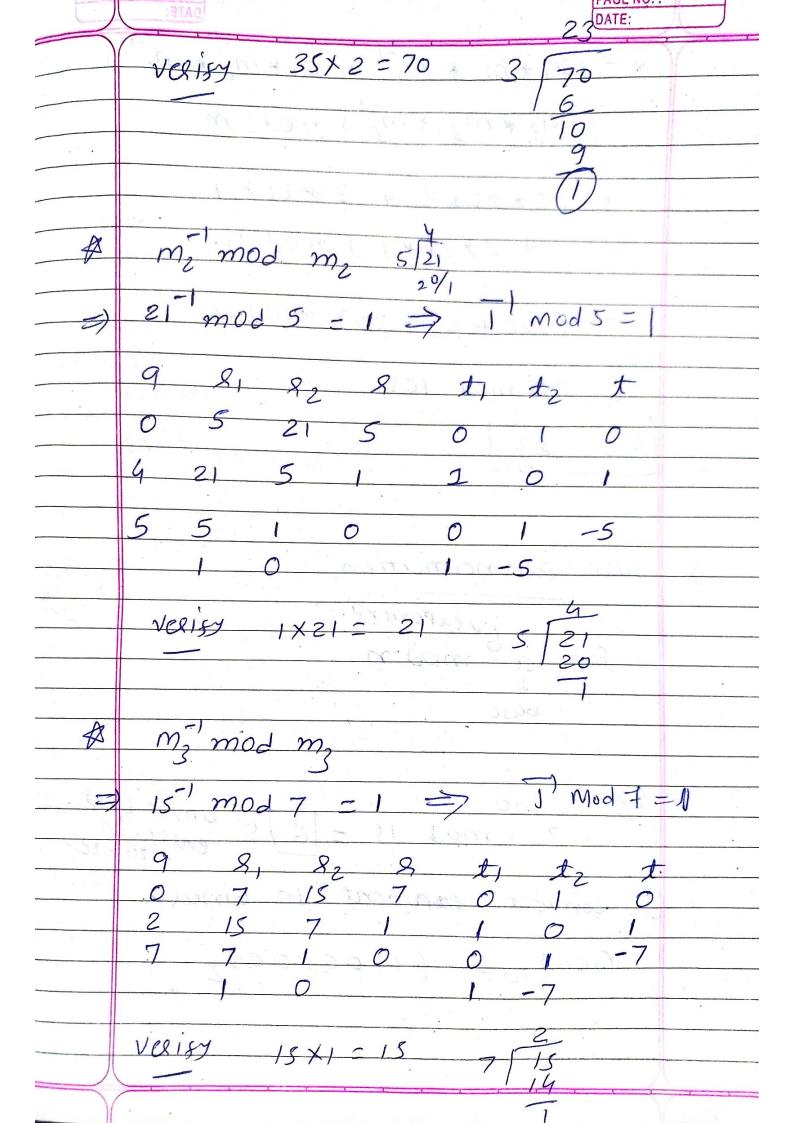
PAGE NO.: Chinese semindes Theosem = CRT is used to you will be given solve a set of congruent egns  $\alpha = \alpha_1 \pmod{m_1}$ with one vasiuble X = az (mod mz) but dissevent modulo, which are selectively x = an (mod mx) Prime Above egns have a unique soin is modulo you have to go step by step securing PRIMC Procedure and find x Stepl: m= m, xm2x - - - xmx Stepz: m,= m/m, mr = m/mr Step3: Find invelse m, mod m, mod me mx mod mx stepu; x = (a, \* m, \* m, + a2 \* m2 + m2 + --- Qu\* mx \* mx ) mod





X = (a, \*m, \* m, + a, \* m, \* m; 93 \* m3 \* m3) mod m = C2\*35\*2 + 3 \*21\*1 + 2\*15\*1) mod 105 = (140 + 63 + 30) mod 105 233 mod 105