(g) 22) F1

Let
$$e = 2$$

 $gcd(3599, 2) = 1$
 $gcd(3599, 2) = 1$
 $Smallest value of $e = 2$.$

OCHO

Primes -

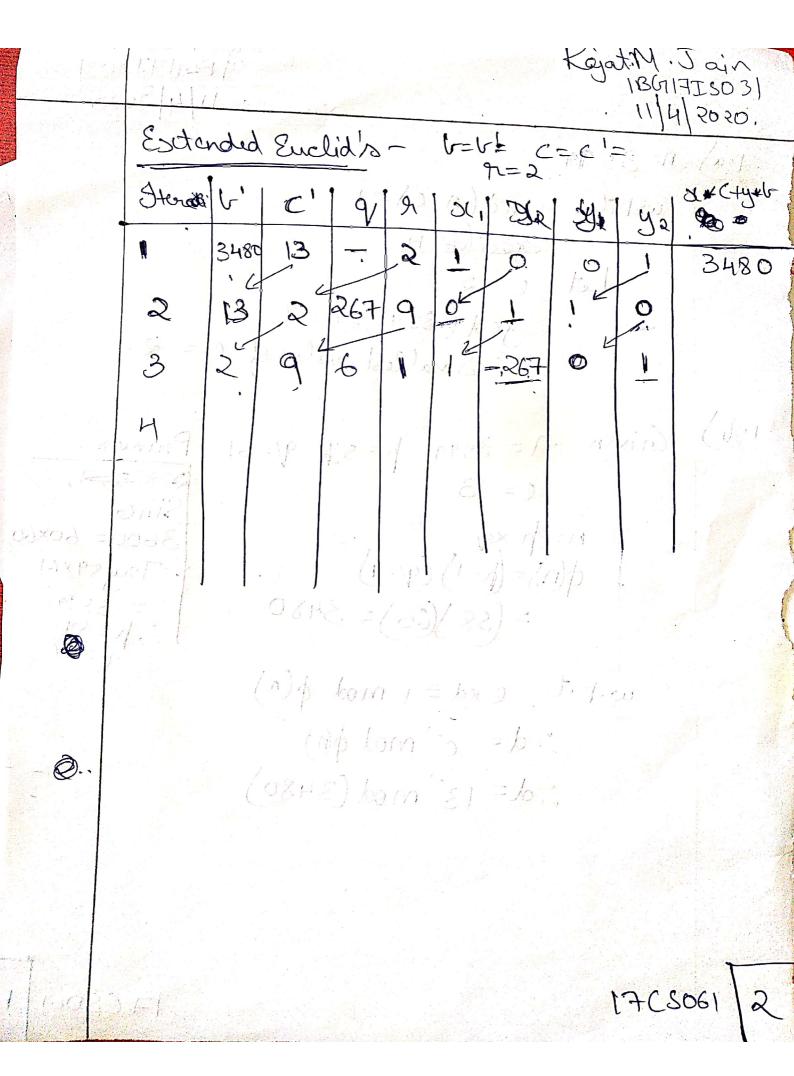
23,5,3, Since

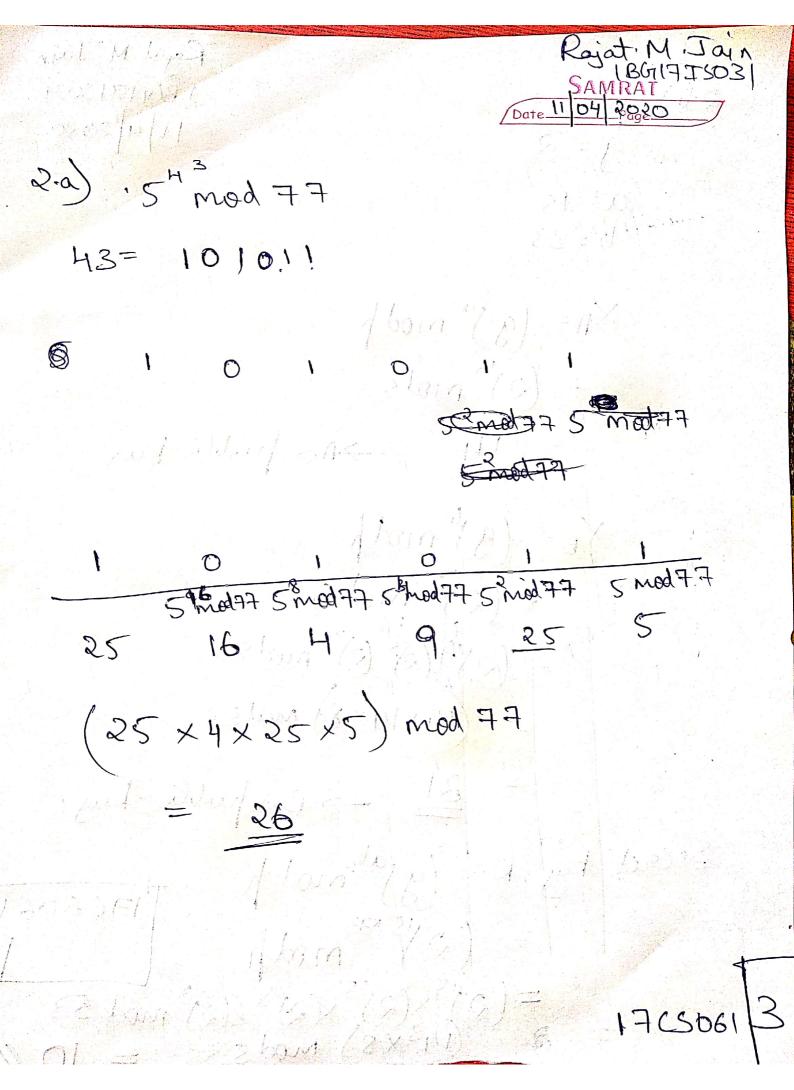
3600 = 60×60

· Tong 59 x 61

= 3599 :,h=59

17 CSO61





Rajad M. Jain 2.6) h=53 1 BG1715031 11/4/2020 9=2 a=15 J=33 Mort Out Trad $\times H = (3)^{\alpha} \mod V$ $= (2)^{15} \text{ mod } 53$ = 1H ->Ab public key XB = (8) mod/ = (2)33 mod 53 = (2)'5 (2)5 (2)3 mod 5 3 = (14×14×8) mod 53 = 31 -> B's public key. Secret key, R= (g) at mod h 1765061 = (2)/5x33 mod/ = $(2)^{5} \times (2)^{5} \times (2)^{5} \times (2)^{3} \mod 53$ = $(14^{3} \times 8) \mod 53 = 10$