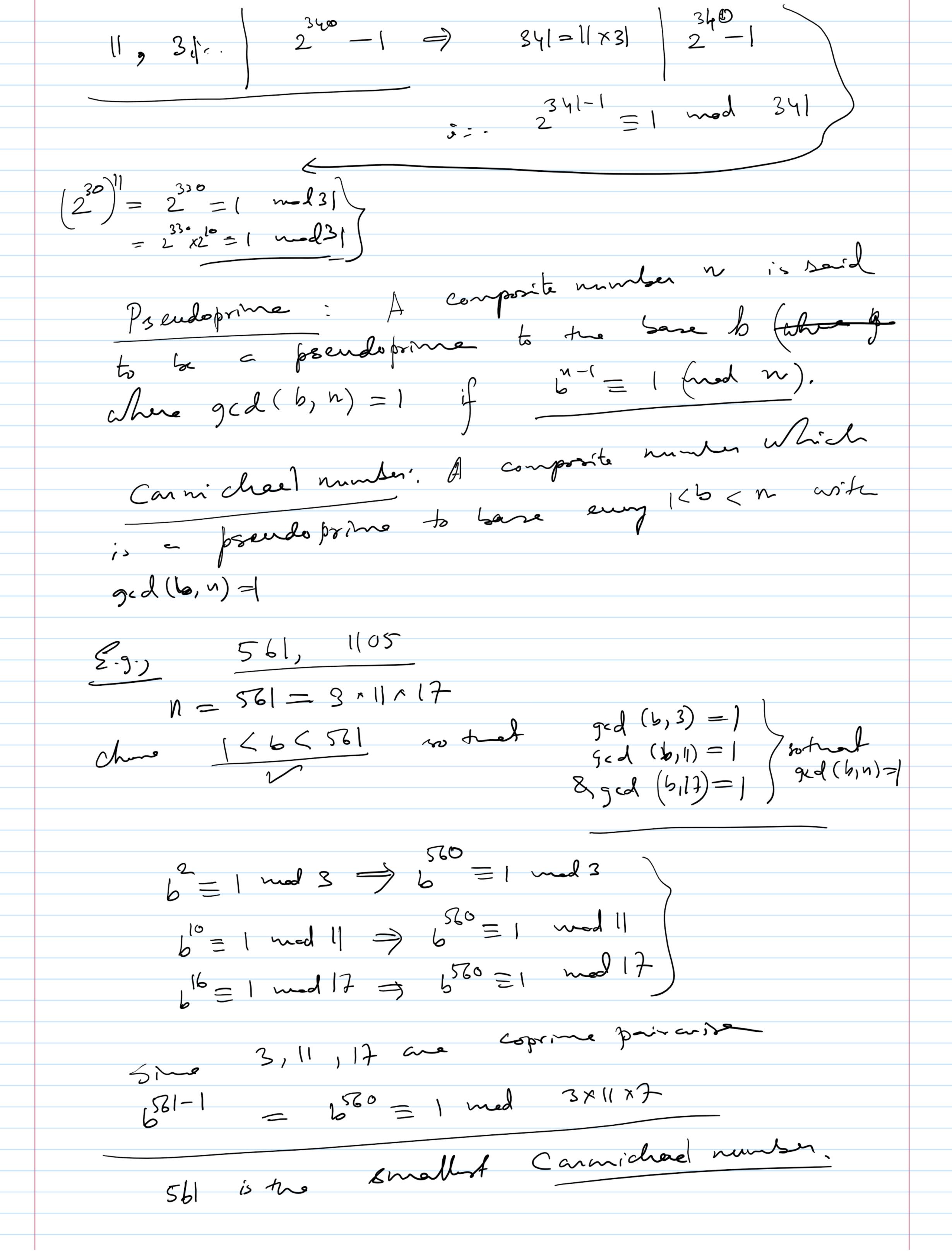
Strong fine
$$\beta$$
 $\beta-1=2rj$
 $r-1=2tm$
 $\beta+1=22t$
 $\beta=3628273123$
 $\beta-1=3628273132$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=2628273123$
 $\beta=262211 > 128612$
 $\beta=26211 > 128612$
 $\beta=26211 > 128612$
 $\beta=2611 > 128612$
 $\beta=26$



Ame 6=3 for n=341
341-1 = 2 mod 341 $3 = 56$
$3 = \frac{1}{2}$
±1 med 34)
Fermatis primality test fails for 341
ternatis primari
1
For this test the output is either get a comparite muchen of test fails.
for this test to be fails.
muse f
1 if 8 only if
1101150 \sim
(n-i)! = -1 (m-l n)
-2 $+2$ $+2$ $+2$ $+2$ $+2$ $+2$ $+2$ $+$
Prof. Sypne N=), a prime.
Then $1, 2, 3, \ldots, (p-1)$ are units in \mathbb{Z}_p
Then $(1, 2, 3, \dots, (p-1))$
$\left(\alpha \bigcup (Z_p) = Z_p^{\lambda} = Z_p \setminus \{0\} \right)$
$ \left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
the grand Zp every claims was
pair each with 18 more.
In the grang Zp enny element has a unique invene. Pair each with its invene.
$\exists (m$
$\frac{1}{(= p , mlp)}$
$(p-1) = 1 \times 2 \times \cdots \times (p-1)$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$= -1 \pmod{p}$
$\frac{1}{2} \left(\frac{1}{2} + 1$
Convene, Assure (N-1)! = 1 / N.
Convene, Assure $(n-i)! \equiv -1 \pmod{n}$ Suppose n is not a positive. Let $n \nmid d \mid l \mid l \mid l$
Sophi
come n (n-1)! + 1, d (n-1)! (1)
Sme n (n-1)! +1, d (n-1)! +1 on he oher hand d (n-1)! (sme 1 < d < n)

This d11 a contradiction So nombre a prime. Milla-Ralsin tost: Propri: Let p be an ogo prime gcd(219)=1 p-1=2q where gcd(219)=1Let a EIN s.t. p / a. Rem one of the fellowing State ands 13 true $a^9 = 1 \quad \text{wed} \quad p$ 7) one of a, 29, 29, 2k-19
Congruent to -1 mobile p.