$$f_{n} = f_{n-1} + f_{N-2} + f_{N-2} + f_{N-2}$$

$$f_{n} = f_{n-1} \left( 1 + f_{n-2} \right) + f_{n-2} + 1 - 1$$

$$f_{n} = \left( 1 + f_{n-1} \right) \left( 1 + f_{n-2} \right) - 1$$

$$1 + f_{n} = \left( 1 + f_{n-1} \right) \left( 1 + f_{n-2} \right)$$

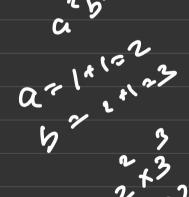
1+fx=6x

$$G_0 = Q$$
 $G_1 = Qb$ 

$$Cr3 = ab^{2}$$

$$Gr4 = a^{2}b^{3}$$

$$Gs = 9^{3}b^{5}$$



Crn= (afn-1 bfr) dom G. 10 (0°+3) Con : (afridom r bfr dom) dom (krim so) Lofa -> matrin
expo fn-scan be kij at 10p = 1 / By format.

$$f_{n-1} = Kx(p-1) + f_{n-1} + f_{n$$

 $a^{f_{n-1}} d_0 p = (a^{k * (p-i)} + f_{n-1} d_0 (p-i))$   $= (a^{k (p-i)} + a) d_0 p$   $= (a^{k (p-i)} d_0 p) * (a^{k} d_0 p)$ lela a fari do b = 8= fan do [p-1)

# Euler To h'ent function Din m,n ou co-prime 0(3) = 2 ~ (1, z)

$$\frac{\partial (n)}{\partial (p^{q})} \frac{\partial (p^{q})}{\partial (p^{q})} \frac{\partial (p^{q})}{\partial (p^{q})} \frac{\partial (p^{q})}{\partial (p^{q})}$$

p<sup>9</sup> = 1,2,3, ... p<sub>1</sub>... 2p... 3p ----- p<sup>1</sup>

total clut = p<sup>2</sup>

p<sup>9</sup> - (Total not copoin hof!)

sal multiple

of p

$$\frac{\partial (p^{n})}{\partial (p^{n})} = p^{n} - p^{n-1}$$

$$= 2 p^{n} (1 - 1)$$

$$\frac{\partial (n)}{\partial (n)} = p^{n} (1 - 1) \cdot p^{n} \cdot p^{n} \cdot p^{n}$$

$$\frac{\partial (n)}{\partial (n)} = p^{n} (1 - 1) \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n}$$

$$\frac{\partial (n)}{\partial (n)} = p^{n} (1 - 1) \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n} \cdot p^{n}$$

$$\frac{\partial (n)}{\partial (n)} = p^{n} (1 - 1) \cdot p^{n} \cdot p^{n}$$

$$\frac{\partial (n)}{\partial (n)} = p^{n} (1 - 1) \cdot p^{n} \cdot p^{n}$$

Sien - 1 2 3 
$$\frac{1}{2}$$
 S  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{1}$   $\frac{1}{2}$ ,  $\frac{1}{1}$   $\frac{5}{1}$ ,  $\frac{7}{18}$   $\frac{8}{2}$   $\frac{9}{1}$   $\frac{1}{2}$   $\frac{1}{1}$   $\frac{1}{2}$ ,  $\frac{1}{1}$   $\frac{5}{1}$ ,  $\frac{7}{18}$   $\frac{8}{2}$   $\frac{1}{2}$   $\frac{1$ 

