gcd
$$(7.76) = 1$$
, so we can apply Fermat's Imm.
 $76^{-1} = 1 \pmod{7}$
 $76^{0} = 1 \pmod{7}$
 $(76^{0})^{12} = 1^{12} = 1$
 $76^{12} = 1 \pmod{7}$
 $76^{12} = 1 \pmod{7}$
 $76^{12} \cdot 76^{12} = 76^{14}$
 $76^{12} \cdot 76^{14} = 76^{14}$
 $76^{14} = 76^{14} \pmod{7}$.

76=6 mod 7. 76=36 mod 7. El mod 7. 76=1 mod 7.

76=(+76. 76=(+76. 76³⁶ = 6

then $a^k \equiv b^k \pmod{n}$ for any k.

if a=b (mod n),

$$76 = 6 \longrightarrow 76 = 6^{2}$$

$$76 = 6$$

$$76 = 1^{2}$$

$$76 = 1^{4}$$

$$76 = 18$$

$$76^{4} = 18$$

$$76^{4} = 18$$

$$76^{4} = 18$$

$$76^{4} = 18$$

$$76^{4} = 18$$

$$. 76^{12} \equiv (7^2)^6 \equiv 1$$

$$76^{76} \text{ even}$$

$$\Rightarrow 16^{26} \equiv 1$$

$$\frac{1}{P_1} + \frac{1}{P_2} + \cdots + \frac{1}{P_d}$$

$$\frac{1}{2} + \cdots$$

$$\frac{1}{3} + \left[\alpha + \frac{2}{3} \right] = \frac{1}{3} + \left[\frac{3\alpha e^{2}}{3} \right]$$

$$\frac{1}{P_1} + \frac{1}{P_1} = \frac{1}{P_1} \frac{1}{P_$$

5 (?? + 15)

$$\frac{?}{P_2\cdots P_d} = \frac{\aleph}{P_1} \xrightarrow{?}$$

$$\frac{1}{P_1} + \cdots + \frac{1}{P_d} = \frac{?}{P_1 - \cdots P_d}$$

$$= \frac{P_2 \cdots P_d}{P_1 \cdots P_d} + \frac{P_1 P_3 \cdots P_d}{P_1 P_3 \cdots P_d} + \cdots + \frac{P_1 P_2 \cdots P_{d-1}}{P_1 \cdots P_d}$$