Friday, August 12, 2022 10:12 PM

$$N=12$$
 \longrightarrow divisor $(12)=1,2,3,4,6,12$
 $N=13$ \longrightarrow divisor $(13)=1,13$

$$a,b \rightarrow div(a) \rightarrow common divisor \rightarrow max$$

$$div(b) div(12) = 1,2,3,6,9,12$$

$$div(18) = 1,2,3,6,9,18$$

$$div(24) = 1,2,3,4,68,12,24$$

$$gcd(18,24) = gcd(12,18) = gcd(6,12) = gcd(0,6)$$
:
 $gcd(a,b) = gcd(b-a,a) = gcd(2a-b,b-a)$

$$ed(a,b) = g(cd(a,b)) - g(cd(a$$

$$gcd(18,40) = gcd(22,18) =$$

$$= gcd(4,18) = gcd(18,22)$$

$$= gcd(4,18) = gcd(4,18)$$

$$18)40(2
b% a = b-a[a]
b > ak
b > ak
i. k < ba$$

$$ged(a,b) \rightarrow ged(b\%a,a)$$

$$ged(18,15) \rightarrow ged(15,18)$$

$$ged(18,15) \rightarrow ged(15,18)$$

$$100\%51 = 49. 5\%3 = 2$$

$$2\%1 = 2\%1 2\%1 = 2\%1 1 = 0$$

$$2\%7 = 5$$

$$12\%7 = 5$$

$$12\%7 = 5$$

$$ged(34,21) \rightarrow ged(21,34) \rightarrow ged(5,34) \rightarrow ged(3,34) \rightarrow$$

2,3,5,+, 10=100 N=12 IN O $\Rightarrow \chi^2 = \Gamma$ $\therefore \chi = \int N$