3°< n! 1>6 35 37 7 71 For n=7 => 37 2 7.6.5.d.2.2.1 35 ? 2.5.4.4 243 < 450 P7 is true let Pristre. 3 < A! Is Pk+1: 3 k+1 < (k+1)! $3^{k+1} = 3.3^{k}$ k>6 1+6< k+1 <3(k!)7 < k+1 < (k+1) (k!) 3 < k+1=(k+1)/Pk+1 is also true By the mathematical induction, the giren proof is completed

5 divides po-p pe Zt for n=1 => $1^{5}-1=0$ = o(5)D is divisible 695 Pa is True Pk is true: 5 divides k - k Phr is: 5 divides (k+1)5-(k+1)? (k+1) = (k+1) = k+5k+10k3+10k+5k+1-k-V $=k^{5}-k+5(h+2h+2h+k)$ 5 divides k⁵-k: Pk 5 () û divise ble by 5 5 divides (k+1)5 (k+1) Peris also true. By the mathematical includion, the given proof is completed.

(5-10(051

$$2^{5}$$
 3^{2}
 n^{5}
 $-n$
 5^{-}
 2^{5}
 2^{5}
 2^{2}
 2^{5}
 2^{2}
 2^{5}
 2^{5}
 2^{2}
 2^{5}

$$\int_{0}^{5} n = 5(x)$$

$$\int_{0}^{5} n = 0$$

$$\int_{0}^{5} das digit$$

3 divides 1 3 + 2 1 2 3

Relations R.

Reflexive 3 Dlogs

Symmetric 2 Closure relation Me ec Lecture et 4 letter 3 dizet repeated

H ways = 26.10 10 repeated: 26.25.21.23.10.9.8