Name - T. Vijay Rollino - CS17BTECH11040

QI i) No of elements in
$$P = (D_K, I)$$
 is expression (P₁) (P₂) (X_n)

where
$$* = (x_1^{\rho_1})(x_2^{\rho_2})(x_3^{\rho_3}) - - (x_n^{\rho_n})$$

(prime bootorization)

:. No of standard =
$$(p_1+1)(p_2+1)(p_3+1)$$
 --- (p_n+1)

No of elements is
$$P(A) = 2^{|A|}$$
 where $|A| = size$ of A

Do we want (P,+1)(P2+1) --- (Pn+1) = 2 |n| Let Pi=Pi=====Pn=1 we can by that P=Q if it is made up of IAI distinct prime rumbors Now let * = x, x2 x3 --- xn where 41 x1; is prime rumber (Distinct) and n = IAI, where A is non-empty set da,, a2, a, -- an} longhets Agale be bypatilite graft Isomorphic marriag

Let cectoxlogia & D* i.e., a= xi, xi, xi, - xi,

Let cectoxlogia & D* all the same trains ? to then wif (x) = 20 a; , aiz , aiz , aix an maximu f-1(dai, aiz ---aix 3) = a i. I will man to rull set and # will map to A Herce we have a isomorphic exappres 2 de clierrals municipia que tras de Phalippi 426 DAY

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2. i) Form a complète bipartitate graph
with q (maximal elements) at ton
and p (minimal elements) at down bottoms
Jo pu aborn of the Ja
(Instead) White is it is a six in the world with th
(miles) Well wolf
stran and a nareton 191 = 1
(i) complete topate too bipartitate granh with 9, tm (maximal elements) at ton
and p (minimal elements) jot bottom &
Q3 (ywen: 2 y es and x, y are maximum elements of S
SZX YSeS 7-0
and SIEY ITSES -0
· 224 and 4=2 em (From 086
milyon = y (Anti-Symmetric)
Dimilarly if x, y are minimum elements of
x4S and Y4S 4ses
$\rightarrow x \leftarrow y \text{and} y \in \mathcal{X}$



