



\{1. k L2, = n = 1 G
PROP: (6.) grup. commtative funt.
m=mase{ord g 1 g & G }
Voi arata ca ord g / m (Y) g & G
Remember: 1) ord g to ord g (ord g, 12)
2) Ge comutative (ordge, ordge)=1 = Nordge ordge ordge
$m = ordh = p_1 \cdot p_2 \cdot \dots \cdot p_n$ $p_i prim, (b) i = 1, 1$
$m = \text{ord } g = p_1 \cdot p_2 \cdot \dots \cdot p_r$ $a_i b_j \in \alpha \cdot T$
Teb. sã arat ca a; 2 b; (tt) i=1,12
Nat ca a z b1 14=2.5.41
20 = 22-51.7
P_{p} co a 1 p_{p} by p_{p} or p_{p}
ord $g = p_A p_2 p_3 p_4$
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ord h = (ordh, pan) = ordh = p2 --- pn $\left(\operatorname{ord}\left(g^{\frac{p^{2}}{2}}, \operatorname{ord}h^{\frac{p^{n}}{2}}\right)\right) = 1$ Asta contraville maximalibatea lui m. Q.E.D Z₂ = 21, 9, 9², ... 3 g = { 1, 2, ..., 22 } ord = 22 21=2048=1 (\$123) ord = 1 ord 22 = 2 (ord 2, ord 22) = (11,2)=1 = Dord 2 - 22 = 2 -11=22 (12,22)=1 lec 10,1,...,214 Ref 1, 3, 5, 4, 9, 13, 15, 17, 19, 214 SI Created with ScanWritf. To remove this watermark please use the upgrade options.