Curs G1 Gz = grupuri ord / (q, 192)) = lcm/ord(q,1, ord(gz)) (Q1, g7) E G1 × G2 Obs: 1) G-grup Rimit ord(g)=mi de clem or d/f)= cel mon micm m=1 on gm =0 2) 2m: ord (x) = m (qcollmx) 1) Det in G = (2/24 × 2/22, +) ond $(4) = \frac{24}{\gcd(24,4)} = \frac{24}{4} = c \text{ in } 2/24$ = $\gcd(4,6) = lom(6,11) = 6C$ $\gcd(6) = \frac{22}{\gcd(22,6)} = \frac{27}{2} = 11 \text{ in } 2/22$ b) ord/3,3) $\operatorname{ord}(\bar{g}) = \frac{24}{\operatorname{gcd}(\bar{i}_{1/3})} = \frac{24}{3} = 8 \text{ in } 2/24$ } = $\operatorname{ord}(\bar{g}, \bar{g}) = \operatorname{lom}(8, 22) = 88$ $\operatorname{ord}(\bar{g}) = \frac{22}{\operatorname{gcd}(\bar{i}_{1/3})} = \frac{22}{1} = n \text{ in } 2/22$ 2) G = 2/2 × 2/5 × 2/8 1/2 1/5 1/2/4/8 a) ond /1, 2, 4) =? ond/1)= 2 = 7 $and(2) = \frac{5}{a^{cd/5,7}} = 5$ $and(4) = \frac{8}{a^{cd/5,4}} = 2$ 3) Det supgrupurile (2/6,+) Zie = {0,1,1, ..., 153 <1>= 210 = <57>= <4>= <13>= <15>= <97= <3>
prime cull <0> = 50 x / x \ Z16 3 = 20} <2>= \(\delta, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2} = < \hat{6} > = < \hat{1} > = < \h <3>=Z15

<3 - 218 -40 = 50, 4, 8, 12 3 = <12>