Cеминор 17, 30.01.24 - Бельдиев HCG Смежные класси geG - {gh | heH} = gH [rebus] 9, 92 - 6 Ogram CNEXHOM KNACCE => 9, H = 9, H L=> g.g. U = H L=> g, g, € H #56.37 anZcZ {0, ± n, ±2n, ... } = { kn | k ∈ Z} 11, ±n+1, ±2n+1,...] = {kn+1 | k & Z} [2, ±n+2, ±2n+2 ...] = [kn+2 | k ∈ Z] {(n-1), ±n+(n-1), ±2n+(n-1)...} = {kn+n-1 | k ∈ Z} (B) (Z, +) c (IR, +) a ER - fa+k | k E Z} RCC (1) a = x + y i HSE

U= { z e C* | |z|=1} #56.38. GL (C) = {A & Mat(nxn C) | det A + 03 $SL_n(C) = \{A \in Mat(n \times n, C) \mid det A = 1\}$ SLn(C) c GLn(C) (1) $\alpha \in GL_n(C) \rightarrow \{ah \mid h \in SL_n(C)\}$; $det(ah) = det(a) \cdot det(h) = det(a)$ (2) a, b, det(a) = det(b) a'b é SL (c) $det(a^{-1}b) = det(a)^{-1} det(b) = 1$ правий см. класс эл-та д: Ид Mg, = Mg, (=> H = Mg, g, (=> g, g,) & H gig, ∈ H × gig, ∈ H #56.44 HCG - [G: H] = ungexc H & G H, CH, CG, [G: H,]=m, [H,: H,]=n [G: H,]=mn HSE

ecau | G |
$$< \infty$$
 : [G: H,] = $\frac{|G|}{|H|}$ = $\frac{|G|}{|H_1|}$. $\frac{|H_1|}{|H_1|}$ = $\frac{|H_1|}{|H_1|}$ =

$$(a,b) \stackrel{\text{lm}}{=} (a \stackrel{\text{lm}}{=} 1) = (1,1)$$

$$\#60.5$$

$$(a) Z_6 \cong Z_2 \times Z_3 = Z_{11} \times Z_4 \cong Z_1 \times Z_4 \times Z_5$$

$$Z_2 \times Z_3 \times Z_{10} = Z_{11} \times Z_4 \cong Z_1 \times Z_4 \times Z_5$$

$$\#53.28$$

$$(a) \stackrel{\text{l}}{=} 2 \times Z_4 \times Z_5 = Z_4 \times Z_5 = Z_4 \times Z_5 \times Z_6$$

$$\#60,1,2,3,4,5 = 2 \times Z_6 = 2$$