Cemurap 20, 20. 02. 24 - Beregue 8

$$Z(GL_n(R))$$
 $\lambda E \in Z(GL_n(R))$
 $\lambda E = \begin{pmatrix} \lambda & 0 \\ 0 & \lambda \end{pmatrix}$
 $\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix} \begin{pmatrix} a & b \\ c & d \end{pmatrix} = \begin{pmatrix} c & d \\ a & b \end{pmatrix}$

HSE

$$A = \begin{cases} a_{11} & a_{12} & a_{13} \\ a_{12} & a_{13} & a_{13} \\ a_{14} & a_{12} & a_{13} \\ a_{14} & a_{14} & a_{14} \\ a_{14} & a_{1$$

Z's = Zy 2 - nopoxgaro cyvii sn-T (Novemy 2? - Graganu 4) (2 2'=2, 2'=4, 2'=8=>3, 2'=16=>1) no mag. 5 (Aut (Z4) {0,1,2,3} fa: 1 → a чтоби было вз. просто с 4 fa - abromopopuja (=> a=1, a=3 (=> a=±1 Aut (Z4) = Z, 3 Aut(Z, x Z) {(0;0), (0;1), (1;0), (1;1)} (0;0) - (0;0) $\begin{array}{c} (0;1) & \longmapsto & (0,1) \\ (1;0) & \longmapsto & (1,1) \\ (1;1) & \longmapsto & (1,0) \end{array}$ $Aut(Z_1 \times Z_2) \cong S_3$ 4 Aut (S3) =? {id, (12), (13), (23), (123), (132)} {id (12) (13) (23) (123), (132)} id id $\begin{cases}
(12) \\
(13) \\
(23)
\end{cases}
\mapsto
\begin{cases}
(12) \\
(13) \\
(23)
\end{cases}$ Внутренний автоморфизм $G \rightarrow G$ g - agai $S_3: a=(1)$

HSE

(12)(12)(12)(12)¹ = (12)
(13)(12)¹ = (23)
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(12)(23)(12)¹ = (13)

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