messpage r(A), rang eletopale deletaptees преоброзований рано $A = \begin{pmatrix} 2 & 1 & 3 & 2 \\ 0 & -1 & 2 & 1 \\ 4 & 5 & 0 & 1 \end{pmatrix} \xrightarrow{\text{Planeouse}} \begin{pmatrix} 2 & 1 & 3 & 2 \\ 0 & -1 & 2 & 1 \\ 4 & 5 & 0 & 1 \end{pmatrix} \xrightarrow{\Omega} + 3(-1)$ 2) Korongenne panne enspuga energo der oprincesso you eleco pol 1. Hagen A = [2] [3 2] 1. Hagen A = [0 -1] 2 1 1. Haipeur eumop 7 0 Bropero ngregue $\begin{vmatrix} 2 & 1 \\ 0 & -1 \end{vmatrix} = ((-1) \cdot 2 - 0) = -2 \neq 0$ 2. Keigen europ $\neq 0$ Treaces regregues T.K gpy zun Okoinerer0-11 z-z+4+8-10 z 0 korgun reunopol Tpeste20 ropsegke ke cynyestyes => rang(A) = 2.