вокрер тогии А(а, в) на по-тел. thebt map int = Tr(a;b) x R(4) x Tr(-a;b) x резульнам перенесём сделаем перенесём тогка в начало коор. - m. (a,b) $Tr(-a,-b) = \begin{pmatrix} 10-9\\01-b\\001 \end{pmatrix}$ (cost sinf o) Tr(a,b) = (100) R(4) = (-sin4 cos4 0 (3) Rocup. manpusy hobohoma Ha yron & repeg boxpyz premior L & 3D-np. & npox. repeg M. A = (a, b, c) is mererous Hanh bennop m. A = (a, b, c) is mererous Hanh bennop Pens. 1. Repenser m. A 6 na? koops. 2. Cgenaeur gla nobohoma boxpyz oceri 2. Cgenaeur gla nobohoma boxpyz oceri 2. Cgenaeur gla nobohoma boxpyz oceri m. unovor besemp ril, m, n) est voin na oguesis

npierresi e gocoro Z. 3. Egenaeu nobohom na groa 4 Bokhyr Z 4. By Cgenaceer offammore Inobofomine 5. B. Beptien m. A na nar illecomo. $Tr(-a,-b,-c) = \begin{pmatrix} 100-9 \\ 010-b \\ 001-c \\ 0001 \end{pmatrix}$ $Tr(a_1b_1c) = \begin{pmatrix} 1009 \\ 010b \\ 0001c \\ 0001 \end{pmatrix}$ 1. nobopom onve.occe × Ma - L, tgd= m > 2. Robopom emu.ocuy 4a-B, tgB= n

$$R_{x}(-a) = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$

$$R_{y}(-b) = \begin{pmatrix} \cos \beta & \cos \beta & \cos \beta & 0 \\ 0 & 1 & 0 & 0 \\ \sin \beta & \cos \beta & 0 \end{pmatrix}$$

$$R_{y}(-b) = \begin{pmatrix} \cos \beta & \sin \beta & 0 & 0 \\ \sin \beta & \cos \beta & 0 & 0 \\ \sin \beta & \cos \beta & 0 & 0 \end{pmatrix}$$

$$R_{y}(-b) = \begin{pmatrix} \cos \beta & \sin \beta & 0 & 0 \\ \sin \beta & \cos \beta & 0 & 0 \\ \cos \beta & \cos \beta & 0 & 0 \end{pmatrix}$$

$$R_{y}(-b) = \begin{pmatrix} \cos \beta & \sin \beta & 0 & 0 \\ \sin \beta & \cos \beta & 0 & 0 \\ \cos \beta & \cos \beta & 0 & 0 \end{pmatrix}$$

$$R_{y}(-b) = \begin{pmatrix} \cos \beta & \sin \beta & 0 & 0 \\ \sin \beta & \cos \beta & 0 & 0 \\ \cos \beta & \cos \beta & \cos \beta & 0 \end{pmatrix}$$

$$R_{y}(-b) = \begin{pmatrix} \cos \beta & \sin \beta & 0 & 0 \\ \cos \beta & \cos \beta & \cos \beta & \cos \beta \\ \cos \beta & \cos \beta$$