1

$$\begin{pmatrix}
1 & 0 & 0 \\
0 & 1 & 0 \\
0 & 0 & 1
\end{pmatrix}$$

$$(2) \left( \begin{array}{ccc} 1 & 0 & \frac{1}{2} \\ 0 & 1 & -1 \\ 0 & 0 & 0 \end{array} \right)$$

$$\begin{pmatrix}
1 & -1 & 0 & -1 \\
0 & 0 & 1 & -2 \\
0 & 0 & 0 & 0
\end{pmatrix}$$

 $\mathbf{2}$ 

- (1) P[i, a] P[i, b] = P[i, ab]. つまり c = ab
- (2)  $Q[i,j]^2$  は単位行列に等しい.
- (3) R[i, j, a] R[i, j, b] = R[i, j, a + b] と書ける. c = a + b