

$$\begin{array}{c}
 \begin{array}{cc}
 & j\text{-th} & & i\text{-th} & & \\
 & \vdots & & \vdots & & \\
 i\text{-th} & \left[\begin{array}{cccccc}
 1 & 0 & 0 & 0 & \dots & 0 \\
 0 & 1 & 0 & 0 & \dots & 0 \\
 & \vdots & & \vdots & & \\
 \dots & c & \dots & 1 & \dots & 0 \\
 & \vdots & & \vdots & & \\
 0 & 0 & \dots & 0 & 0 & 1
 \end{array} \right] & & & & & \\
 & & & & & E \\
 & & & & & r_i + cr_j
 \end{array}
 \end{array}$$