II:
$$\begin{pmatrix} 2.0 & 3.0 & 4.0 \\ 0.8 & 2.2 & 3.6 \\ 4.2 & 2.0 & 5.8 \end{pmatrix}$$

$$\begin{array}{c} 2_2 = 2_2 - \frac{0.8}{2} \cdot 2_4 \\ 2_3 = 2_3 - \frac{4.2}{2} \cdot 2_4 \\ \end{array}$$

$$\begin{array}{c} = 2 \cdot 2 \cdot 3.0 & 4.0 \\ 0 & 4 & 2 \\ 0 & 0.2 & 3.4 \\ \end{array}$$

b) Ly = Pb
$$\Rightarrow$$
 $\begin{pmatrix} A & O & O \\ O.4 & A & O \\ O.6 & O.2 & A \end{pmatrix}$ \Rightarrow $\begin{pmatrix} A & O & O \\ A & O & O \\ O & O & A \end{pmatrix}$ \Rightarrow $\begin{pmatrix} A & O \\ A & O \\ A & O \end{pmatrix}$ \Rightarrow $\begin{pmatrix} A & O \\ A & O \\ A & O \end{pmatrix}$

$$\begin{pmatrix} A & 0 & 0 & | A & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | & = 2 & | &$$