

row $h_1 a_1$:

$$\begin{bmatrix} 1 & \dots & \dots & \dots & \dots \\ \vdots & \ddots & \vdots & \vdots & \vdots \\ \vdots & \vdots & 1 & \vdots & \vdots \\ \vdots & \vdots & \vdots & 1 & \vdots \\ \vdots & \vdots & \vdots & \vdots & 1 \end{bmatrix} \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix} = \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix}$$

row $a_1 h_1 - h_1$:

$$\begin{bmatrix} 1 & \dots & \dots & \dots & \dots \\ \vdots & \ddots & \vdots & \vdots & \vdots \\ \vdots & \vdots & 1 & \vdots & \vdots \\ \vdots & \vdots & \vdots & 1 & \vdots \\ \vdots & \vdots & \vdots & \vdots & 1 \end{bmatrix} \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix} = \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix}$$

row a_1 :

$$\begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix} = \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix}$$

row a_1 :

$$h_1 = \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix}, \quad a_1 = \begin{bmatrix} 1 \\ \vdots \\ \vdots \\ \vdots \\ \vdots \end{bmatrix}$$