Ext 
$$0 + B = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 1 \end{pmatrix} \begin{pmatrix} 1 & 1 & 1 \\ 0 & 1 & 1 \end{pmatrix} = \begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 2 \\ 1 & 1 & 4 & 3 \end{pmatrix}$$

The harveque que  $AB = AC$ 

2) Non, (as si A clast injunctible along  $AB = C = B = C$  (a qui est fainx  $AB = C = B = C$  (a qui est fainx  $AB = C = AB = C$  (b)  $AB = C = AB = C$ 

A + y :  $Z = 3$ 
 $ZX + y + Z = 3$ 
 $ZX$ 

$$2) \quad 2 = \frac{3}{1} \cdot \frac{2}{1} \cdot \frac{1}{1} = \frac{3}{1} \cdot \frac{2}{1} = \frac{3}{1} = \frac{3}{1} \cdot \frac{2}{1} = \frac{3}{1} = \frac{3}{$$

Scanned with CamScanner

$$\begin{aligned}
P_{BB'} &= \begin{pmatrix} 1 & 0 & 1 \\ -1 & 1 & 0 \end{pmatrix} \\
P_{BB'} &= 3 \\
P_{BB'}^{-1} &= 3 \\
P_{BB'}^{-1} &= \frac{1}{3} \begin{pmatrix} 1 & 1 & -1 \\ 1 & 1 & 2 \\ 2 & -1 & 1 \end{pmatrix} \\
P_{BB'}^{-1} &= \frac{1}{3} \begin{pmatrix} 1 & 1 & -1 \\ 2 & -1 & 1 \end{pmatrix} \begin{pmatrix} 1 & -1 & -1 \\ 2 & -1 & 1 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 \\ 1 & 1 & -1 \\ 2 & -1 & 1 \end{pmatrix} \\
&= \frac{1}{3} \begin{pmatrix} 0 & 0 & 0 \\ 3 & 0 & -3 \\ 3 & -3 & 1 & 3 \end{pmatrix} \begin{pmatrix} 1 & 0 & 1 \\ -1 & 1 & 0 \end{pmatrix} = \begin{pmatrix} 0 & 0 & 0 \\ 2 & -1 & 1 \\ 1 & -2 & 2 \end{pmatrix} \\
P_{BB}^{-1} &= P_{BB}^{-1} \begin{pmatrix} 2 \\ -1 \\ 1 \end{pmatrix} = \frac{1}{3} \begin{pmatrix} 0 \\ 3 \\ 6 \end{pmatrix} = \begin{pmatrix} 0 \\ 1 \\ 2 \end{pmatrix} \\
Q_{2} &= \begin{pmatrix} 2 & -1 & 1 \\ 2 & -1 & 1 \end{pmatrix} = 0 e_{1}^{1} + 1 e_{2}^{1} + 2 e_{3}^{1} \end{aligned}$$