Calcular la inversa de las siguentes matrices

$$adj(a^t) = \begin{bmatrix} 4 & 2 \\ 5 & 3 \end{bmatrix}$$

$$\vec{a} = \frac{1}{2} \begin{bmatrix} 4 & 2 \\ 5 & 3 \end{bmatrix} = \begin{bmatrix} 2 & 1 \\ \frac{5}{2} & \frac{3}{2} \end{bmatrix}$$

$$A^{t} = \begin{bmatrix} -1 & 2 & 1 \\ -1 & 1 & 1 \\ 1 & -1 & 2 \end{bmatrix} \quad \text{adj}(A^{t}) = \begin{bmatrix} +3 & -(-3) & +0 \\ -5 & +1 & -(-3) \\ +1 & -2 & +3 \end{bmatrix}$$

$$\vec{a} = \frac{1}{9} \begin{bmatrix} 3 & 3 & 0 \\ -5 & 1 & 3 \\ 1 & -2 & 3 \end{bmatrix} = \begin{bmatrix} 1/3 & 1/3 & 0 \\ -5/9 & 1/9 & 1/3 \\ 1/9 & -2/9 & 1/3 \end{bmatrix}$$

Demostrar que la siguiente mattiz carece de inversa 1A1=2(-8-(-91)-1(4-12)+2(-3-(8)) = 2(-8+9) -1(8)-2(-3+8)= = 2(1) +8 -2(5)= 2+8-10 = 0/1