: JUAN PABLO ROYO SAVES Honework 17

17.1A

Q=

$$-T^{-1} = \begin{vmatrix} 1/2 & -1/2 & 0 & 0 \\ -1 & 5/4 & -1/4 & 0 \\ 0 & 0 & 1 & -1 \end{vmatrix} = \frac{1}{\det T}$$

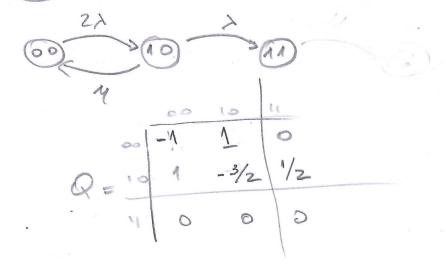
$$\frac{1}{3}$$

$$= \frac{32}{3}$$

$$0 0 11$$

$$\begin{bmatrix} -1 \\ 32 \\ 3 \end{bmatrix}$$
  $\frac{1/2}{3}$   $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$ 

17.1.C



$$N = -T^{-1} = \begin{vmatrix} 1 & -1 \\ -1 & 3/2 \end{vmatrix} = \frac{1}{\det(f)}$$

$$= \frac{1}{2} \begin{vmatrix} 1 & 1 \\ 1 & 3/2 \end{vmatrix} = \frac{1}{2} \frac{2}{3} \begin{vmatrix} 1 & 3/2 \\ 1 & 3/2 \end{vmatrix} = \frac{1}{2} \frac{2}{3} \begin{vmatrix} 1 & 3/2 \\ 2 & 3 \end{vmatrix}$$