

$$\begin{bmatrix} 0 & 0 & 3 & 1 & 1 & 0 & 2 \\ 0 & 0 & 3 & 3 & 3 & 0 & 2 \\ 3 & 3 & 0 & 0 & 0 & 1 & 0 \\ 1 & 3 & 0 & 0 & 0 & 0 & 0 \\ 1 & 3 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 2 \\ 2 & 2 & 0 & 0 & 0 & 2 & 0 \end{bmatrix}$$

(a)

