

$$\left[\begin{array}{c|c|c|c|c|c|c} 1 & 1 & 1 & 1 & 1 & 0 & 2 \\ 1 & 1 & 1 & 1 & 0 & 0 & 0 \\ 2 & 3 & 1 & 0 & 2 & 2 & 2 \end{array} \right]$$