

Answers to Even-Numbered Homework problems for section 5.1 (Lecture 17) (p. 299)

8

$$\begin{bmatrix} 70 & 30 & 0 & 0 & 0 \\ 0 & 0 & 0 & 90 & 0 \\ 0 & 20 & 30 & 30 & 50 \end{bmatrix}$$

optimal value=700

10

$$\begin{bmatrix} 50 & 0 & 20 & 0 & 0 \\ 0 & 50 & 30 & 0 & 0 \\ 0 & 0 & 0 & 0 & 60 \\ 10 & 0 & 0 & 70 & 40 \end{bmatrix}$$

optimal value=1150

12.

$$\begin{bmatrix} 0 & 0 & 20 & 50 & 5 \\ 45 & 0 & 5 & 0 & 0 \\ 0 & 50 & 0 & 0 & 10 \end{bmatrix}$$

optimal value=715