

sect 2.6  
Answer key

1. 
$$C = \begin{bmatrix} .1 & .6 & .6 \\ .3 & .2 & 0 \\ .3 & .1 & .1 \end{bmatrix}$$

$$\begin{cases} \text{intermediate} \\ \text{demand} \end{cases} = \begin{bmatrix} 60 \\ 20 \\ 10 \end{bmatrix}$$

3. 
$$\bar{x} = \begin{bmatrix} 40 \\ 15 \\ 15 \end{bmatrix}$$

5. 
$$\bar{x} = \begin{bmatrix} 110 \\ 120 \end{bmatrix}$$

2. 
$$\begin{bmatrix} 33.33 \\ 35.00 \\ 15.00 \end{bmatrix}$$

4. 
$$\begin{bmatrix} 73.33 \\ 50.00 \\ 30.00 \end{bmatrix}$$

14. 
$$\bar{x} = (134034, 131687, 69472, 176912, 66596, 443773, 18431)$$

realistic ans:

$$\bar{x} = 1000 \times (134, 132, 69, 177, 67, 444, 18)$$