

Xij :
 Mula selisih terapan akan dipilih
 selagi boleh dikecek.

Pahit	Peman			Permintaan
	1	2	3	
1	70	8	50	120
2	15	10	50	120
3	80	3	80	80
Permintaan	150	60	60	270

Hitung selisih cost minimum terapan
 2 elemen bar & 2 elemen kolom:
 Untuk baris:

$$C_{12} - C_{11} = 8 - 7 = 1$$

$$C_{22} - C_{21} = 10 - 15 = -5$$

$$C_{32} - C_{31} = 3 - 8 = -5$$

Untuk kolom:

$$C_{11} - C_{31} = 7 - 8 = -1$$

$$C_{21} - C_{31} = 15 - 8 = 7$$

$$C_{13} - C_{33} = 50 - 6 = 44$$

$$\max(1, 2, 6, 7, 44) = 44$$

maka isi Xij akan min (C32, C31) =

$$\min(3, 6) = C_{31} = 3$$

$$\text{maka } X_{31} = \min(80, 120) = 80$$

baris 3 tidak boleh ada lagi.

Iterasi 2:

Untuk baris:

$$C_{12} - C_{11} = 8 - 7 = 1$$

$$C_{22} - C_{21} = 10 - 15 = -5$$

Untuk kolom:

$$C_{21} - C_{11} = 15 - 7 = 8$$

$$C_{22} - C_{12} = 10 - 8 = 2$$

$$C_{23} - C_{13} = 12 - 6 = 6$$

$$\min(C_{21}, C_{11}) = C_{11} = 7$$

$$X_{11} = \min(150 - 80, 120) = 70$$

Iterasi 3:

Untuk baris:

$$C_{12} - C_{11} = 8 - 7 = 1$$

$$C_{22} - C_{21} = 10 - 15 = -5$$

Untuk kolom:

$$C_{22} - C_{12} = 10 - 8 = 2$$

$$C_{23} - C_{13} = 12 - 6 = 6$$

$$\min(C_{23}, C_{13}) = C_{13} = 6$$

$$\text{maka } X_{13} = \min(60, 120 - 70) = 50$$

Iterasi 4:

Untuk baris:

$$C_{23} - C_{22} = 12 - 10 = 2$$

$$\min(C_{23}, C_{22}) = C_{22} = 10$$

$$X_{22} = \min(70, 80) = 70$$

Untuk kolom:

$$X_{23} = \min(70 - 60, 80 - 70) = 10$$

$$Z_{\min} = 70 \cdot 8 + 80 \cdot 3 + 70 \cdot 10 + 50 \cdot 6 + 10 \cdot 12$$

$$Z_{\min} = 560 + 240 + 700 + 300 + 120$$

$$Z_{\min} = 1920$$