

Bài tập chương 3

BEA

Q5 = 12

$$\text{bond}(A_3, A_4) = 18450$$

$$\text{cent}(A_0, A_1, A_4) = 22200 - 36500$$

$$\begin{aligned} \text{cent}(A_0, A_3, A_4) &= 2 \text{bond}(A_3, A_4) + 2 \text{bond}(A_3, A_1) - 2 \text{bond}(A_3, A_2) \\ &= 2(18450) + 2(18450) - 2(18450) = 18450 \\ \text{bond}(A_3, A_2) &= 15425 \\ \text{cent}(A_1, A_2) &= 17550 \end{aligned}$$

$$\begin{aligned} \text{cent}(A_2, A_3, A_4) &= 2 \text{bond}(A_2, A_3) + 2 \text{bond}(A_3, A_4) - 2 \text{bond}(A_2, A_4) \\ &= 174000 \\ \text{bond}(A_2, A_4) &= 4725 \end{aligned}$$

$$\text{cent}(A_0, A_2, A_4) \text{ max}$$

$\Rightarrow (A)$	A_3	A_1	A_2
	60	105	60
	60	60	60
	20	60	60
	0	45	0
	45	90	45

$$A_1 A_2 = 17500$$

A

$$\text{cent}(A_0, A_4, A_3)$$

$$\text{cent}(A_3, A_4, A_1)$$

$$\text{cent}(A_2, A_4, A_5)$$

$$\text{cent}(A_1, A_4, A_2)$$

$$\begin{aligned} \text{cent}(A_0, A_1, A_3) &= 2 \text{bond}(A_0, A_4) + 2 \text{bond}(A_4, A_3) - 2 \text{bond}(A_0, A_3) \\ &= 0 + 9450 - 0 = 9450 \end{aligned}$$

$$\begin{aligned} \text{cent}(A_3, A_4, A_1) &= 2 \text{bond}(A_3, A_4) + 2 \text{bond}(A_4, A_1) - 2 \text{bond}(A_3, A_1) \\ &= 9450 + 21600 - 36300 = -5250 \end{aligned}$$

$$\begin{aligned} \text{cent}(A_1, A_4, A_2) &= 2 \text{bond}(A_1, A_4) + 2 \text{bond}(A_4, A_2) - 2 \text{bond}(A_1, A_2) \\ &= 21600 + 9450 - 36300 = -5250 \end{aligned}$$

$$\text{Cost}(A_0, A_1, A_2) = \text{Cost}(A_0, A_1) + \text{Cost}(A_0, A_2) - \text{Cost}(A_1, A_2)$$

	A3	A4	A2	A5
A3	60	105	60	45
A4	60	60	60	0
A2	70	60	60	45
A5	0	45	0	45
A1	45	90	45	90

$$\begin{aligned} \text{Cost}(A_0, A_1, A_2) &= 21000 \\ \text{Cost}(A_0, A_1, A_4) &= 21000 + 24975.2 - 21500 = 44475.2 \\ \text{Cost}(A_1, A_4, A_2) &= 36500 + 2,1485.0 - 17550.2 = 30900 \\ \text{Cost}(A_2, A_4, A_1) &= 2,1485.0 + 10125.2 - 4325.2 = 40900 \\ \text{Cost}(A_0, A_4, A_6) &= 10125.2 \end{aligned}$$

$\Rightarrow (A$

	A3	A1	A2	A5	A4
A3	60	105	60	45	45
A1	60	60	60	45	0
A2	70	60	60	45	0
A5	0	45	0	45	45
A4	45	90	45	90	45

$\Rightarrow (A$

	A3	A1	A2	A5	A4
A3	60	60	70	0	45
A1	105	60	60	45	90
A2	60	60	60	0	45
A5	40	45	45	45	90
A4	45	0	0	45	45