

隨 9.

$$\text{投} A = z = \min \{L/2, K/4\}$$

$$\text{假設 } w=1, r=2.$$

$$\text{投} B = z = \min \{L/4, K/2\}$$

(TC_A)

A) A 成本函数 = 生產成本 + 權利金成本

$$\text{生產成本: } z = L/2 = K/4 \Rightarrow L = 2z, K = 4z$$

$$\Rightarrow C = 1 \times 2z + 2 \times 4z = 10z$$

$$\underline{TC_A = 10z + 40 \text{ \#}}$$

B 成本函数 (TC_B)

$$\text{生產函数: } z = L/4 = K/2 \Rightarrow L = 4z, K = 2z.$$

$$\Rightarrow C = 1 \times 4z + 2 \times z = 8z$$

$$\underline{TC_B = 8z + 100 \text{ \#}}$$

CB)

$$z = 20, TC_A = 240$$

$$TC_B = 260$$

\Rightarrow 買 A #

CC)

$$z = 40, TC_A = 440$$

$$TC_B = 420$$

\Rightarrow 買 B #

DD) 令 $TC_A < TC_B$

$$10z + 40 < 8z + 100$$

$$2z < 60$$

$$z < 30. \Rightarrow \underline{\text{低於 } 30. \text{ \#}}$$