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No.

Date

隨9 $A \Rightarrow q = \min\{\frac{L}{2}, \frac{K}{4}\}$ $W=1, r=2$ 權利金=40
 $B \Rightarrow q = \min\{\frac{L}{4}, \frac{K}{2}\}$ 權利金=100

總成本 = 生產成本 + 權利成本

生產成本 = $TC = WL + rK = L + 2K$

成本極小化

(A) ① $q = \frac{L}{2} = \frac{K}{4} \Rightarrow L^* = 2q, K^* = 4q$

$C = 1 \times 2q + 2 \times 4q = 10q, LTC_A = 10q + 40$

② $q = \frac{L}{4} = \frac{K}{2} \Rightarrow L^* = 4q, K^* = 2q$

$C = 1 \times 4q + 2 \times 2q = 8q, LTC_B = 8q + 100$

(B) 生產 20

$q=20, TC_A=240, TC_B=260, \textcircled{A}$

(C) 生產 40

$q=40, TC_A=440, TC_B=420, \textcircled{B}$

(D) 產量低於? 買 A

$TC_A < TC_B, 10q + 40 < 8q + 100$
 $2q < 60$

$q < 30 \#$