

A10726-056 量產捷

已知偉力公司的生產函數為 $q = 10L^{0.5}K^{0.5}$ 且 $w = r = 10$

(A) $C = 10L + 10K$

(B) $MRTS_{LK} = K/L$

(C) $L \uparrow, K \downarrow$ 時, $MRTS_{LK}$ 下降, 故等產量線凸向原點

(D) $\begin{cases} \frac{K}{L} = \frac{10}{10} \\ q = 10L^{0.5}K^{0.5} \end{cases} \Rightarrow L^*K^* = 0.1q$

(E) $TC = 2q, AC = MC = 2.$

(F) $TC(10) = 2 \times 10 = 20$