

$$(A) AVC = 104 > 0$$

$$(B) 400 = 20q \quad q = 0.05p \quad \text{廠商短期供給函數} \\ 400q = 20p \quad \text{產業短期供給函數}$$

$$(C) Q_s = 20p \quad Q_d = 4000 - 5p \Rightarrow p_0 = 160 \quad q_0 = 8$$

$$(b) \quad Q_s = 20p$$

$$Q_d = 6000 - 5p$$

$$4 = 240 \times 0.05 = 12$$

$$(B) \quad \frac{8000}{8} = 1000$$

$$(b) \quad (A) \quad \frac{10}{5} = 20$$

$$(B) \quad q^2 - 12q + 1 \rightarrow 2q - 12 = q = 6$$

$$(C) \quad q \leq 6$$

$$(D) \quad 3q^2 - 24q + 1$$

$$\rightarrow 6q - 24 \quad q \leq 4$$

(c)

$$MP_L = 5$$

$$MRTS = \frac{1}{2}$$

$$MP_K = 10$$

\Rightarrow 皆為固定