

$$\begin{aligned} &1. Q^*, MR=MC \Rightarrow a-2bQ=c \Rightarrow \frac{a-c}{2b} \\ &P^*, D \text{ 上對應 } Q^* \Rightarrow a-b\left(\frac{a-c}{2b}\right) \end{aligned}$$

隨2.  $P=4MC$ ,  $Ed=?$

$$L = \frac{P-MC}{P} = \frac{1}{Ed}$$

$$1 - \frac{MC}{P} = 1 - \frac{MC}{4MC}$$

$$= 1 - \frac{1}{4}$$

$$L = \frac{3}{4} = \frac{1}{Ed}$$

$$MR = P\left(1 - \frac{1}{Ed}\right)$$

$$MR = 4MC\left(1 - \frac{1}{Ed}\right)$$

$$MC = 4MC\left(1 - \frac{1}{Ed}\right)$$

$$Ed = \frac{4}{3}$$

隨1.

① # 不賠錢

$$\pi=0, P=AC$$

② # 總收入極大

$$\text{Max } TR \Rightarrow MR=0$$

③ # 總利潤極大

$$\text{Max } \pi \Rightarrow MR=MC \Rightarrow \text{實際利潤}$$

