

加分

$$\text{總產量 } Q = 10L + 16L^2 - 2L^3$$

$$\text{平均 } AP_L = \frac{TP}{L} = 10 + 16L - 2L^2$$

$$\text{邊際 } MP_L = \frac{\partial TP}{\partial L} = 10 + 32L - 6L^2$$

$$\text{總產量} \Rightarrow 10 + 32L - 6L^2 = 0$$

$$\div 2 \Rightarrow 5 + 16L - 3L^2 = 0$$

$$\text{平均 } \frac{\partial AP}{\partial L} = 16 - 4L = 0$$

$$4L = 16$$

$$L = 4$$

$$\text{邊際 } \frac{\partial MP}{\partial L} = 32 - 12L = 0$$

$$12L = 32$$

$$L = 2.67$$