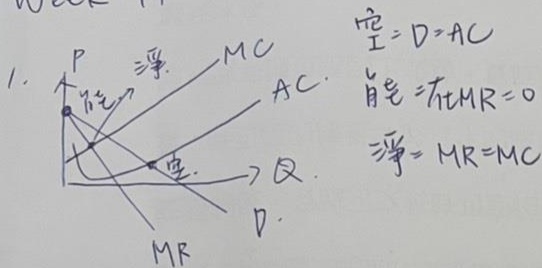


Week 4

Week 11.



$$\frac{MR}{I} = D = AC$$

$$\text{淨} = \pi = MR = 0$$

$$\text{淨} = MR = MC$$

$$2. (a) a - 2bQ = c + eQ$$

$$Q = \frac{a-c}{2b+e}$$

$$(b) Q = \frac{a-c}{2b+e}$$

$$P = a - b \left[\frac{a-c}{2b+e} \right]$$

$$P = \frac{ab + ae + bc}{2b+e}$$

$$(c) e \geq 0$$

$$\frac{P - ab + ae + bc}{2b+e}$$

$$3. (A) MR = MC$$

$$TL = 100 \times 20 - 2 \times 20^2 = 1200$$

$$120 - 2Q = 4Q$$

$$Q = 20 \rightarrow P = 100$$

$$Ed = \frac{100}{20} = 5 \quad Me = 4Q = 80$$

$$\frac{\Delta P}{P} / \frac{\Delta Q}{Q} = \frac{(100-80)}{100} = 0.2$$

$$(B) 20 \times \frac{4}{2} = 40$$

$$(C) P = MC \quad 120 - 4 = 44$$

$$Q = 24 \quad P = 96$$

$$(D) P = AC$$

$$120 - 4 = 24$$

$$Q = 40$$

$$96 \times 24 - 2 \times 24^2 = 1152$$

$$MC \text{ 是 } \pi \Rightarrow 0$$

$$TL = 80 \times 40 - 2 \times 40^2 = 0$$

$$(120 - 80) \times \frac{40}{2} = 800$$

$$1440 - 800 = 640$$