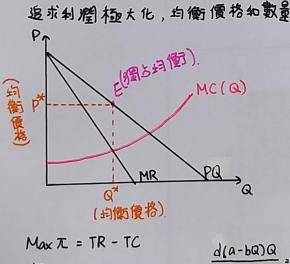
1. 假設獨占市場 的需求曲線為線性, P= a-bQ , TR, MR, AR, P a AR=P

$$TR = P \cdot Q = aQ - bQ^{2}$$

$$AR = \frac{TR}{Q} = a - bQ$$



$$\frac{d\mathcal{I}}{dQ} = MR - MC = 0$$

JQ = MK - MC = 0

MR = MC (利潤極大)

TR = P · Q - TC(Q)

O MR=MC

$$\frac{d(a-bQ)Q}{dQ} = a-zbQ$$

$$a-zbQ = C$$

$$Q^* = \frac{a-c}{c}$$

 $Q^* = \frac{a - c}{zb}$ $P^* = a - b \cdot \left(\frac{a - c}{zb}\right)$ $= \frac{za - a + c}{z}$ $= \frac{a + c}{z}$