

$T_1: P = 60 - q, TC = 30q$

d) $P = MU$

$\Rightarrow 60 - q = 30$

$\Rightarrow q^* = 30$

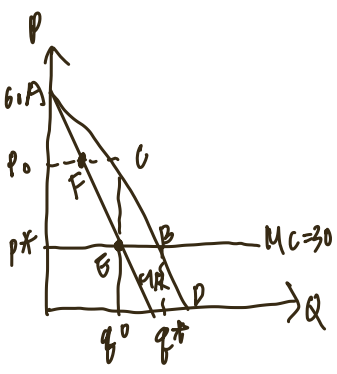
$P^* = 30$

$TR = (P \times Q) = 60q - q^2$

$* MP = -2q + 60$

$\Rightarrow q_0 = 15$

$\Rightarrow P_0 = 45$

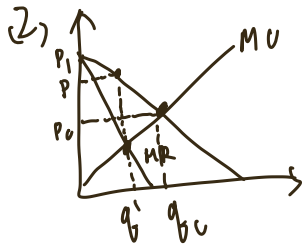


$\Rightarrow CS = 15 \times (60 - 45) \times \frac{1}{2} = 112.5$

$PS = 15 \times 15 = 225$

總剩餘 = $(15 + 30) \times 15 \times \frac{1}{2} = 337.5$

無謂損失 = $15 \times 15 \times \frac{1}{2} = 112.5$



$CS = 0$

$PS = 30 \times 30 \times \frac{1}{2} = 450$

總剩餘 = 450

無謂 = 0

3) $CS = 0$

$PS = (30 + 60) \times 30 \times \frac{1}{2} = 1350$

總剩餘 = 1350

無謂 = 0

