

Week 14

新聞 = ① 台灣 19 日起再度鎖國！全面禁外國人來台、車、機至 6 月 18 日

② 中時新聞網 - 逾半成年人打過疫苗 美經濟趨近全面重啟

$$(A) \quad MR_A = MC : 100 - 2q_A = 20 \Rightarrow q_A = 40 \Rightarrow P_A = 60$$

$$MR_B = MC : 80 - 2q_B = 20 \Rightarrow q_B = 30 \Rightarrow P_B = 50$$

$$\pi = 60 \times 40 + 50 \times 30 - 20 \times (40 + 30) = 2500 = PS$$

$$CS = CS_A + CS_B + 800 + 450 = 1250 ; TS = CS + PS = 3750$$

$$(B) \quad CS = CS_A + CS_B = 1012.5 + 312.5 = 1325. \quad TS = 3775$$

$$(C) \quad P = 30, \quad F = 1250, \quad q = 120, \quad \pi = 3700$$

$$CS = CS_A(P=30) + CS_B(P=30) - 2F = 2450 + 1250 - 2500 = 1200$$
$$1200 + 3700 = 4900$$