$TV = 2F + (P-20)(Q_A + Q_B) = (80-P)^2 + (P-20)$ X(180-2P)

TV = -P2+60P +2800

由一階條件 P=30, F=1250, 9=120, TC=37 CS=CS4 (P=30)+ CSB(P=30)-2F =2450+1250-2500=1200 TS=CS+PS=1200+37-20=4900

2. EP= 100-8A =7 89A=100-P P= 80-8B=7 89-P

Q=8A+8B=180-2P (市場需求

TV = TR - TC= $P(Q) \times Q - TC(Q)$.

=(90-0.5Q)xQ-20Q

 $\frac{d\tau_0}{dQ} = 0 = 0 \quad Q^* = 90 - Q - 20 = 70$ $p^* = 57, \quad Q^* = 70$

TV = 55×70-.50×70 = 24.50

C5 = C5A + CSB

 $C_{74} = \frac{1}{2} (100-55) \times 45 = 1012-5$ $C_{76} = \frac{1}{2} (80-55) \times 25 = 3125$ $C_{76} = 12.5 + 312.5 = 3125$ $C_{76} = 1325 + 2450 = 3775$