```
(A)
60-29=30=>9=15=>P=45=> TV=45x15-30x15=225=PS
 CS= (5x15 =112.5 , TS = 225+112.5=337.5 DWL=112.5
(B) 60-9=30=>9=30=>70=30x30=450
```

CS=0, TS=0+450=450, DWL=0

$$|C| = P[q_1|q_1 + P(q_2)(q_2-q_1) - TC(q_2) = (b_0-q_1)q_1 + (b_0-q_2)(q_2-q_1) - 30q_2$$

$$= -q_1 - q_2 + 30q_2 + q_1q_2$$

$$-29_{1}+9_{2}=0$$
 $1-29_{2}+30+9_{1}=0$

$$CS = (\frac{10\times10}{2}) + (\frac{10\times10}{2}) = (00)$$

(b)
$$\tau_{1} = P(q_{1}) q_{1} + P(q_{2}) (q_{2} - q_{1}) + P(q_{3}) (q_{3} - q_{2}) - \tau_{0}(q_{3})$$

 $= (b_{0} - q_{1}) q_{1} + (b_{0} - q_{2}) (q_{2} - q_{1}) + (b_{0} - q_{3}) (q_{3} - q_{2}) - 30q_{3}$
 $= -q_{1}^{2} - q_{2}^{2} - q_{3}^{2} + 30q_{3} + 4q_{2} + q_{2}q_{3}$
 $= 2q_{1} + q_{2} = 0, -2q_{2} + q_{1} + q_{3} = 0, -2q_{3} + 30 + q_{2} = 0$

TV=52.5 x1.5 + 45 x (15-7.5) + 37.5 (22.5-15) -30x 22.5