(1) $Q_S = 400p - 100$ $\quad Q_D = 1100 - 200p$

equilibrium → $Q_S = Q_D$

$400p - 100 = 1100 - 200p$

$600p = 1200$

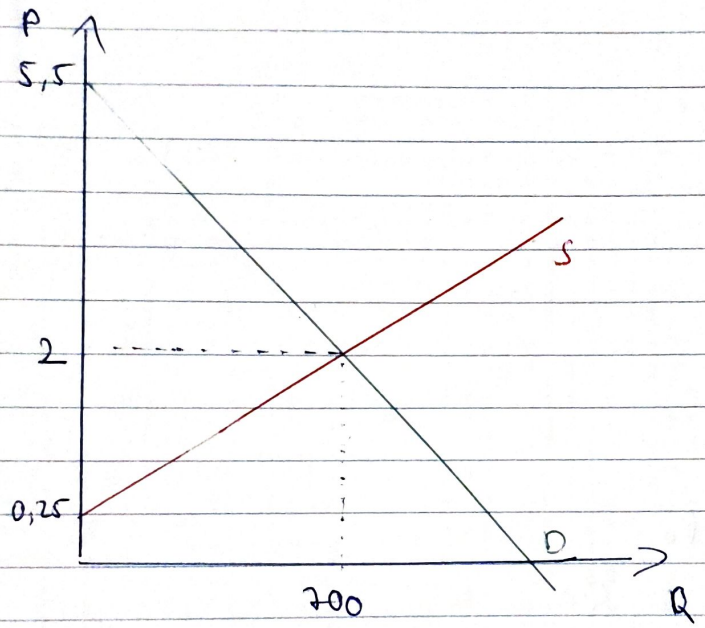
$\boxed{p = 2}$

$Q = 400p - 100$

$Q = 400 \cdot 2 - 100$

$Q = 800 - 100$

$\boxed{Q = 700}$



$\not$ tax

$CS = \frac{(5,5 - 2) \cdot 700}{2} = \boxed{1225}$

$PS = \frac{(2 - 0,25) \cdot 700}{2} = \boxed{612,5}$

$TS = T + CS + PS = 0 + 1225 + 612,5 = \boxed{1837,5}$

$\not$ DL

(2) $Q_S = 400p - 100$ $\quad Q_D = 1100 - 200(p+1)$

equilibrium $\longrightarrow$ $Q_S = Q_D$

$400p - 100 = 1100 - 200(p+1)$

$400p - 100 = 1100 - 200p - 200$

$400p - 100 = 900 - 200p$

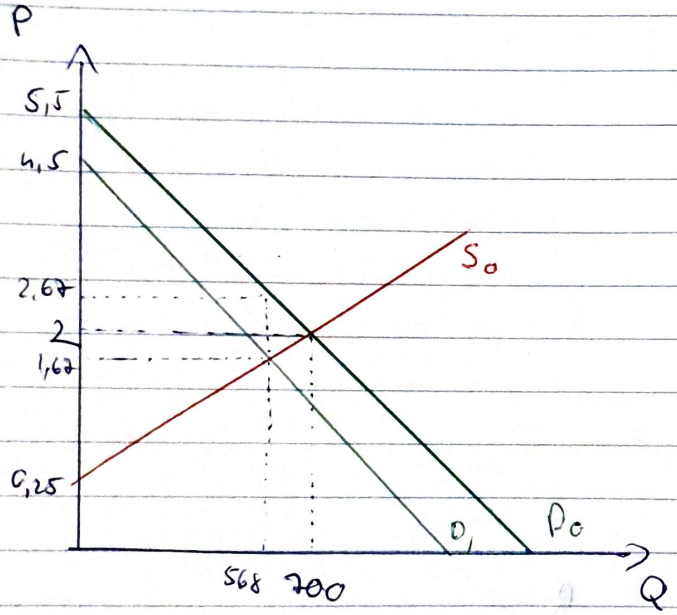
$600p = 1000$

$\boxed{p = 1,67}$

$Q = 400p - 100$

$Q = 400 \cdot 1,67 - 100$

$\boxed{Q = 568}$



$T = t \cdot Q$

$T = 1 \cdot 568$

$\boxed{T = 568}$

$CS = \dfrac{(5,5 - 2,67) \cdot 568}{2} = \boxed{803,72}$

$PS = \dfrac{(1,67 - 0,25) \cdot 568}{2} = \boxed{403,28}$

$TS = T + CS + PS = 568 + 803,72 + 403,28 = \boxed{1775}$

$DL = TS_1 - TS_0 = 1775 - 1837,5 = \boxed{-62,5}$

③ $Q_S = 400(p-1) + 100$ $\quad Q_D = 1100 - 200p$

equilibrium $\rightarrow$ $Q_S = Q_D$

$400(p-1) - 100 = 1100 - 200p$

$400p - 400 - 100 = 1100 - 200p$

$600p = 1600$

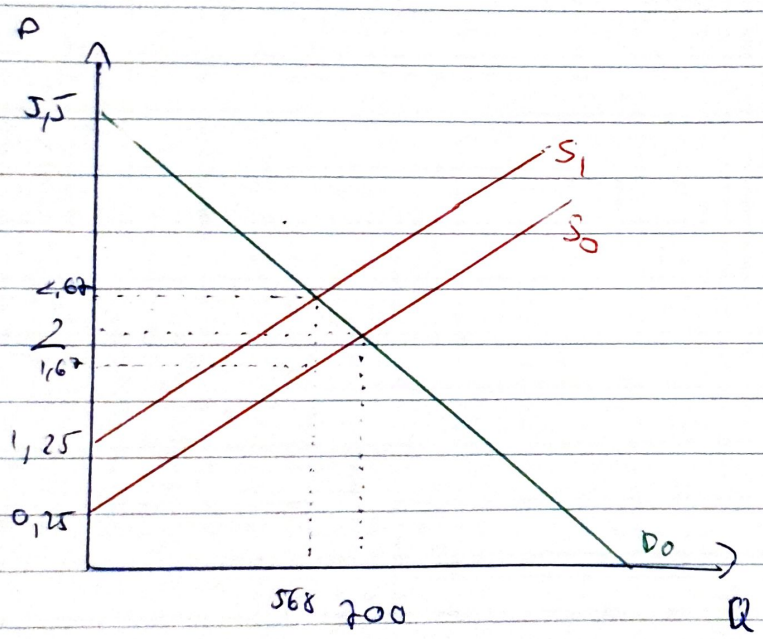
$\boxed{p = 2,67}$

$Q_S = 400(2,67 - 1) - 100$

$Q = 400 \cdot 1,67 - 100$

$Q = 668 - 100$

$\boxed{Q = 568}$



$T = t \cdot Q$

$T = 1 \cdot 568$

$\boxed{T = 568}$

$CS = \dfrac{(5,5 - 2,67) \cdot 568}{2} = \boxed{803,72}$

$PS = \dfrac{(1,67 - 0,25) \cdot 568}{2} = \boxed{403,28}$

$TS = T + CS + PS = 568 + 803,72 + 403,28 = \boxed{1775}$

$DL = TS_2 - TS_0 = 1775 - 1837,5 = \boxed{-62,5}$