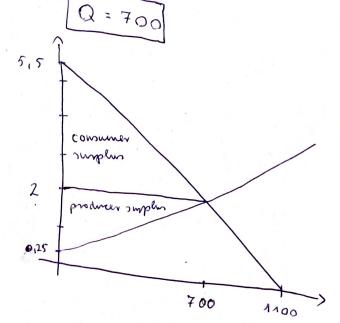
Individual Assignment

Q

Equilibrium price:

Equilibrium quantity



Consumer surplus

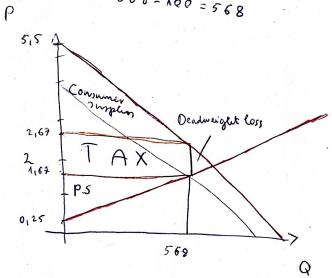
$$\frac{700.3.5}{2} = 1225$$

Producer surplus

$$\frac{1,75.700}{2} = 612,5$$

Total supplus = 1837,5

Equilibrium quantity



Consumer simplus
$$(515-2167)\cdot 568 = 803,7$$

Endurer supplus

$$\frac{(1,67-0,25).568}{2}=4.03,3$$

Tax 568.1

Total surplus

Deadweight loss

Equilibrium quantity Q = 1100 - 200 p Q = 568

Same as in exercise 2.

C S=803,7

P5 = 403,3

TAX = 568

Total sumplus = 1175

Deadweight less = 62,5

Comment:

It does not matter whether we tax the supply or demand side, the same quantity will be purchased, the total surplus will remain the same. There is no difference if the consumer or the seller pays the same amount of tax.