Consider an analysis of changes in safety regulations for US automobiles.

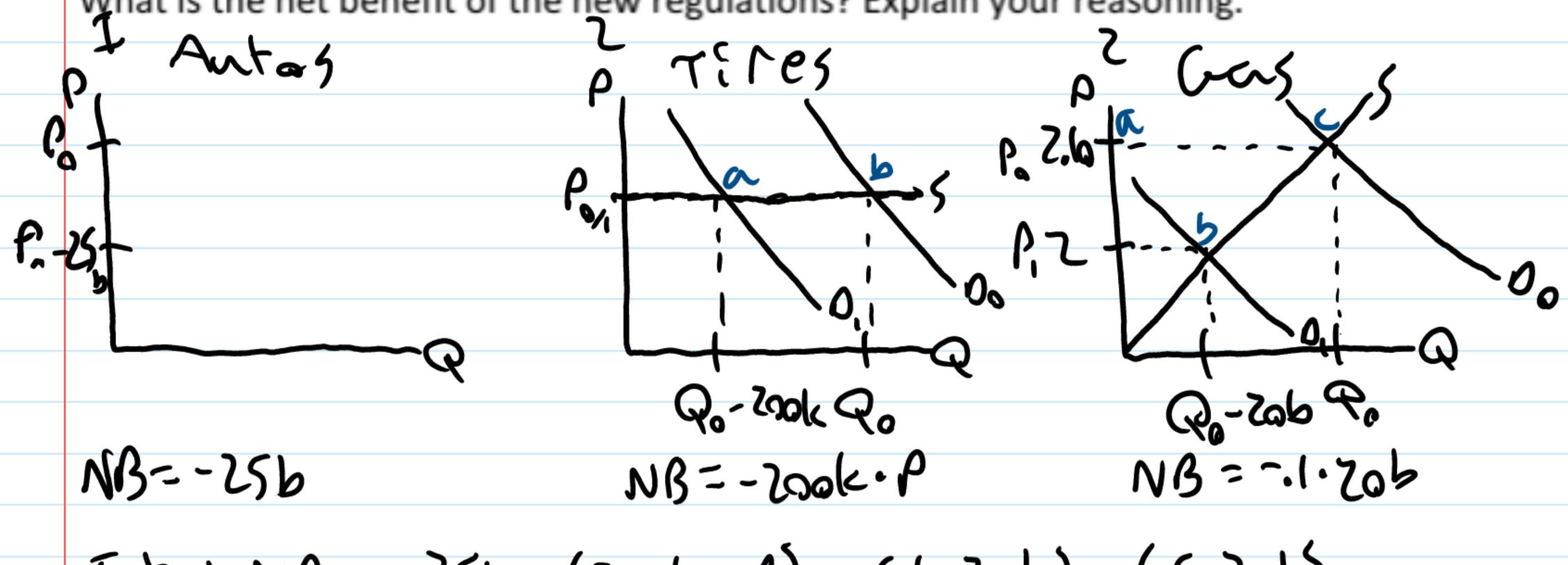
The net impact in the primary market is a loss of \$25 billion per year, measured using actual prices and quantities before and after the change (i.e. not holding other prices constant).

The change in regulations effected the US tire market, reducing consumption by 200K, but price did not change appreciably.

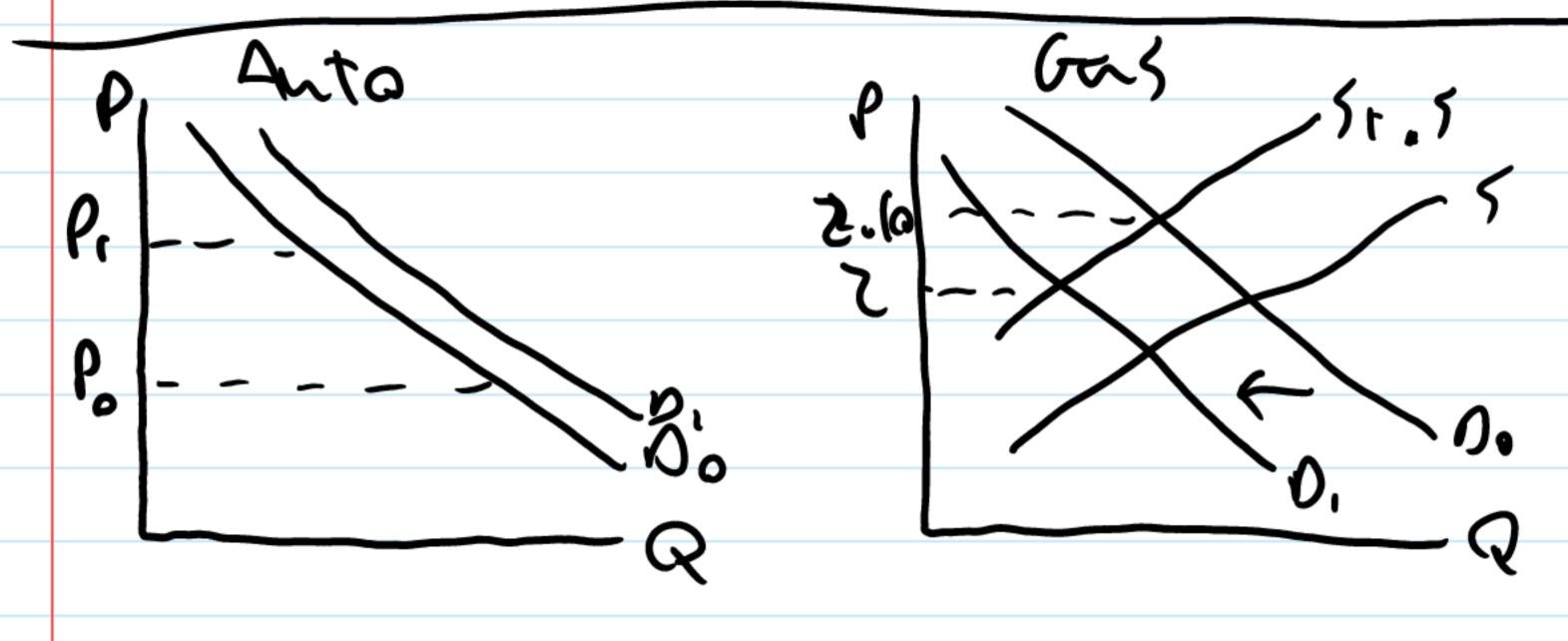
The change in regulations effected the US gasoline market. The price of gasoline fell from \$2.10 per gallon to \$2.00, with both prices including a \$0.5 per gallon tax. Annual gasoline consumption fell 20 billion gallons.

There is an external cost of \$1 per gallon of gasoline.

What is the net benefit of the new regulations? Explain your reasoning.



Total NB = -25b - (Zook .P) - (.1. Zob) - (.5. Zab)



Ignore fires because P constant