1 Political Economy of Trade


<table>
<thead>
<tr>
<th>Congressional votes</th>
<th>For NAFTA 1993</th>
<th>For GATT 1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual votes</td>
<td>229</td>
<td>283</td>
</tr>
<tr>
<td>Predicted by model</td>
<td>229</td>
<td>290</td>
</tr>
<tr>
<td>Absence of labor contributions</td>
<td>+62</td>
<td>+56</td>
</tr>
<tr>
<td>Absence of business contributions</td>
<td>−34</td>
<td>−33</td>
</tr>
<tr>
<td>Absence of any contributions</td>
<td>+27</td>
<td>+33</td>
</tr>
</tbody>
</table>

Baldwin and Magee (2000)

- Is this evidence for or against the Stolper-Samuelson theorem?
- Is Heckscher-Ohlin trade theory supported? If not, what would voting patterns have to look like?
- Is the Specific Factors model (Ricardo-Viner trade theory) supported? If not, what would voting patterns have to look like?
- Discuss in what regards the results of Baldwin and Magee (2000) stand in contrast to those of Magee (1980).

2 Import Tariff in Partial Equilibrium

Home’s demand and supply for cars are given by: \( D = 130 - 30 \cdot P \) and \( S = 10 + 30 \cdot P \), while Foreign’s demand and supply for cars are: \( D^* = 60 - 30 \cdot P \) and \( S^* = 40 + 30 \cdot P \) (\( P \) is thousands of US$).

- Determine the autarky equilibrium, and calculate domestic price for each country. Illustrate your answer with suitable graphs.
- Derive Home’s import demand schedule and Foreign’s export supply schedule. Calculate and depict the world price when both countries trade, and show the traded quantities.
- Home imposes a tariff of \( \tau = .4 \) per car. Calculate and depict the price that Home consumers pay. Show domestic consumption, production and the trade volume.
• Show graphically how the tariff affects Home welfare. Distinguish Home consumer surplus, producer surplus and government revenues.
• Did the tariff improve efficiency? Show the net efficiency gain or loss graphically.

3 Export Promotion in Partial Equilibrium

Consider the two countries from question 2 again. Home has a tariff of \( \tau = .4 \) per car in place.

The Foreign government decides to grant an export subsidy of \( \tau = .4 \) per exported car.

• How does this subsidy affect Home welfare?
• Show the changes to surpluses and tax revenues for Foreign.

4 Import Tariffs and Export Promotion in a Small Open Economy’s General Equilibrium

A small open economy produces cars and grows food with some unspecified number of factors of production. The opportunity costs of car production in terms of food change with the production pattern but are lower than those of its trading partners.

• Draw a production possibility frontier that is consistent with the above assumptions.
• Depict an initial world trade equilibrium and the consumption possibilities of the small open economy, consistent with the above assumptions.
• Suppose the small open economy imposes a tariff on its imports. How do the country’s Terms of Trade change? How does the domestic price ratio change? How will the small open economy’s production pattern change? How will the small open economy’s consumption and trade pattern change? How is welfare affected?
• Suppose the small open economy promotes its exports with a cost subsidy to producers. How do the country’s Terms of Trade change? How does the domestic price ratio change? How will the small open economy’s production pattern change? How will the small open economy’s consumption and trade pattern change? How is welfare affected? Is there a difference to the import tariff?

5 Import Tariffs and Export Promotion in World General Equilibrium with a Large Country

A large economy produces cars and grows food with some unspecified number of factors of production. The opportunity costs of car production in terms of
food change with the production pattern but are lower than those of its trading partners.

- Draw a production possibility frontier that is consistent with the above assumptions.

- Depict an initial world trade equilibrium and the consumption possibilities of the large country, consistent with the above assumptions.

- Suppose the large country imposes a tariff on its imports. How do the country’s Terms of Trade change? How does the domestic price ratio change? How will the large country’s production pattern change? How will the large country’s consumption and trade pattern change? How is welfare affected?

- Suppose the large country promotes its exports with a cost subsidy to producers. How do the country’s Terms of Trade change? How does the domestic price ratio change? How will the country’s production pattern change? How will its consumption and trade pattern change? How is welfare affected? Is there a difference to the import tariff?

6 Free Trade in the Americas

The creation of a Free Trade Agreement in the Americas is on the agenda of North and South American governments. Discuss the benefits and possible short-term or long-term costs for the NAFTA countries on one side and Latin American economies on the other side. (You may include Mexico in or exclude it from either group.)

Pay particular attention to

- likely patterns of trade given resource endowments and productivity differences,

- possible terms-of-trade effects and improved market access after trade integration,

- the possibility of trade diversion, and

- the consequences of your insights for the likely political agenda of North and South American governments for the negotiations.