GTAP model: 3x3 example

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1 Use the prepared database

- Load it with version/change

2 Run test simulation

- Perform a 20 percent numeraire shock
- Analyze results using rungtap: What happened to prices? What happened to quantities.

3 Run labour endowment shock

- 10 percent increase in labour endowment in Poland
- Results analysis with Rungtap (first glance):
  - what happened to goods prices. Why? Look for labour intensity in ViewHAR
  - what happened to the output level?
  - what happened to international trade?
- Result analysis in ViewSOL:
  - Analysis of output changes: graphs
  - Analysis of the trade matrix
- Results analysis in AnalyzeGE:
  - analysis of factors endowment qo: equation MKTCLENDWM. What happened to factor use across sectors?
  - Gloss: qfe: identifying other important equations: ENDWDEMAND
  - Changes in the valuea added aggregate. What happened to prices in: ENDWDEMAND.
  - What happened to the VA price index. Why? What happened to factor prices.
  - VADEMAND: demand for value added. Prices, quantities, output prices of final goods pm.
  - FACTORINCOME: income changes
  - REGIONALINCOME: regional income changes
  - Expenditures PRIVCONSEXP, PRIVDMNDS: demand for private konsumption. Prices.
  - PCOMPRICE: decomposing the price index. Demand for domestic and intermediate goods.