

Warm-up: Economic growth (EG)

Estimating EG — Rule of 70

a1. Sources of EG

- Land
- Capital goods
- Labor ⊕
- Entrepreneurial ability

a2. Preconditions for E.G. - Incentive system

- Markets
- Property rights
- Monetary exchange

The productivity curve (PC)

Labor productivity = Real GDP per labor hour

Definition of PC

Figure 1: Productivity Curve

2 properties of PC

- 1. Growth in capital per labor hour --> movement along PC
- 2. Technological growth --> shift PC upwards

Law of diminishing returns

b. The ONE-THIRD Rule ⊕

14. Economic Growth

c. Faster economic growth

Three ways

- Increasing the growth of physical capital
- Technological advance
- Investment in human capital

--> Suggestions

- Stimulate saving
- Stimulate R&D
- Target high-technology industries
- Encourage international trade
- Improve the quality of education

Classical GT

Growth in GDP: not permanent

When real GDP per person above subsistence level --> population explosion --> real GDP per person back to subsistence level

Figure

Figure 2: Classical Growth Theory

d. Growth theories (GT)

Neoclassical GT

- Technological change --> increased saving & investment --> capital per labor hour increase --> long term growth in GDP
- Different from classical GT: population growth
 - Independent of econ. growth (or real wage rate or real GDP)
 - But influenced by opportunity cost to women for entering workplace
- Technological growth
 - Not influenced by economic growth
 - Occur through trial & error (R&D)

New GT

- Based on 2 properties of market economies
 - Discoveries are the result of choices
 - Discoveries lead to profit & competition eliminates profit
- Technological change
 - driven by profit
 - there is ongoing search to discover technologies
- 2 other key assumptions
 - Discoveries are public capital goods
 - Law of diminishing returns does not apply to knowledge capital --> no mechanism to stop economic growth

Warm-up: Natural monopolies

a.

Rationale for

Economic regulation of natural monopolies

Social regulation of nonmonopolistic industries

15. Regulation And Antitrust Policy In A Globalized Economy

b. Social regulation

Potential benefits

Possible negative side effects

Creative response

Conform to the letter (the words), but not to the intent

Feedback effect

is a typical example of creative response

New regulation changes consumers' behavior --> undermine the original intent

c. Regulators' behavior

Capture hypothesis

regulators are selected from industry experts --> have relationships --> sometimes decisions influenced/controlled by the industry

at regulatory hearing: consumers less prepared and less persuasive than industry members

Share-the-gains, share-the-pain theory

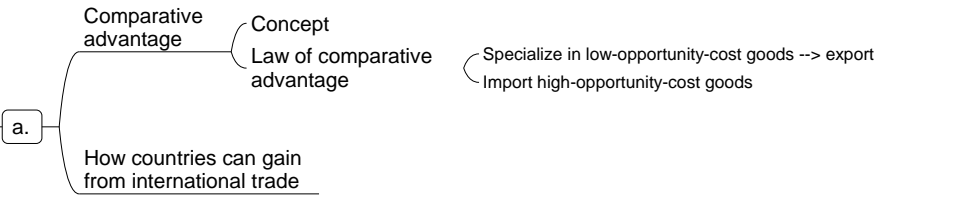
Regulators try to satisfy all 3 parties

Legislators

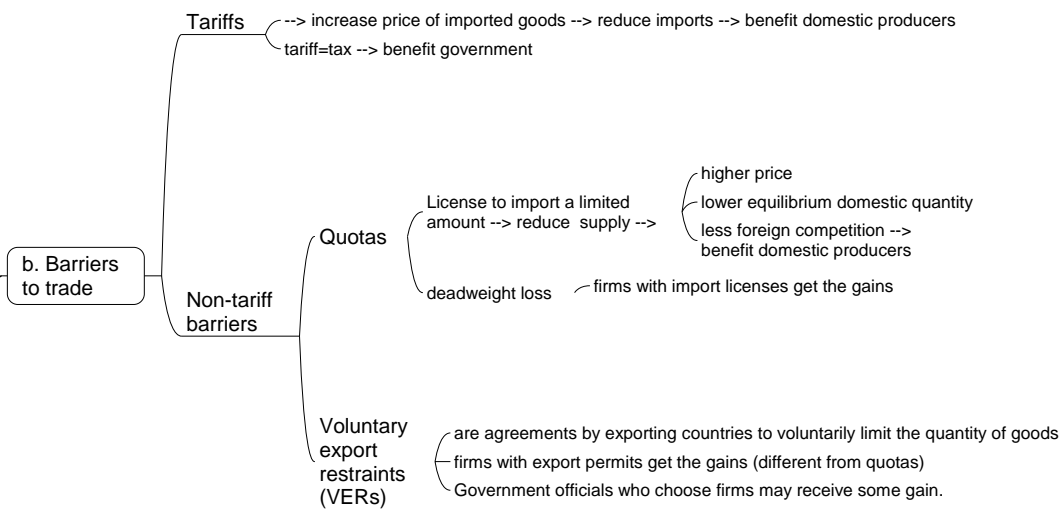
Customers

Regulated firms

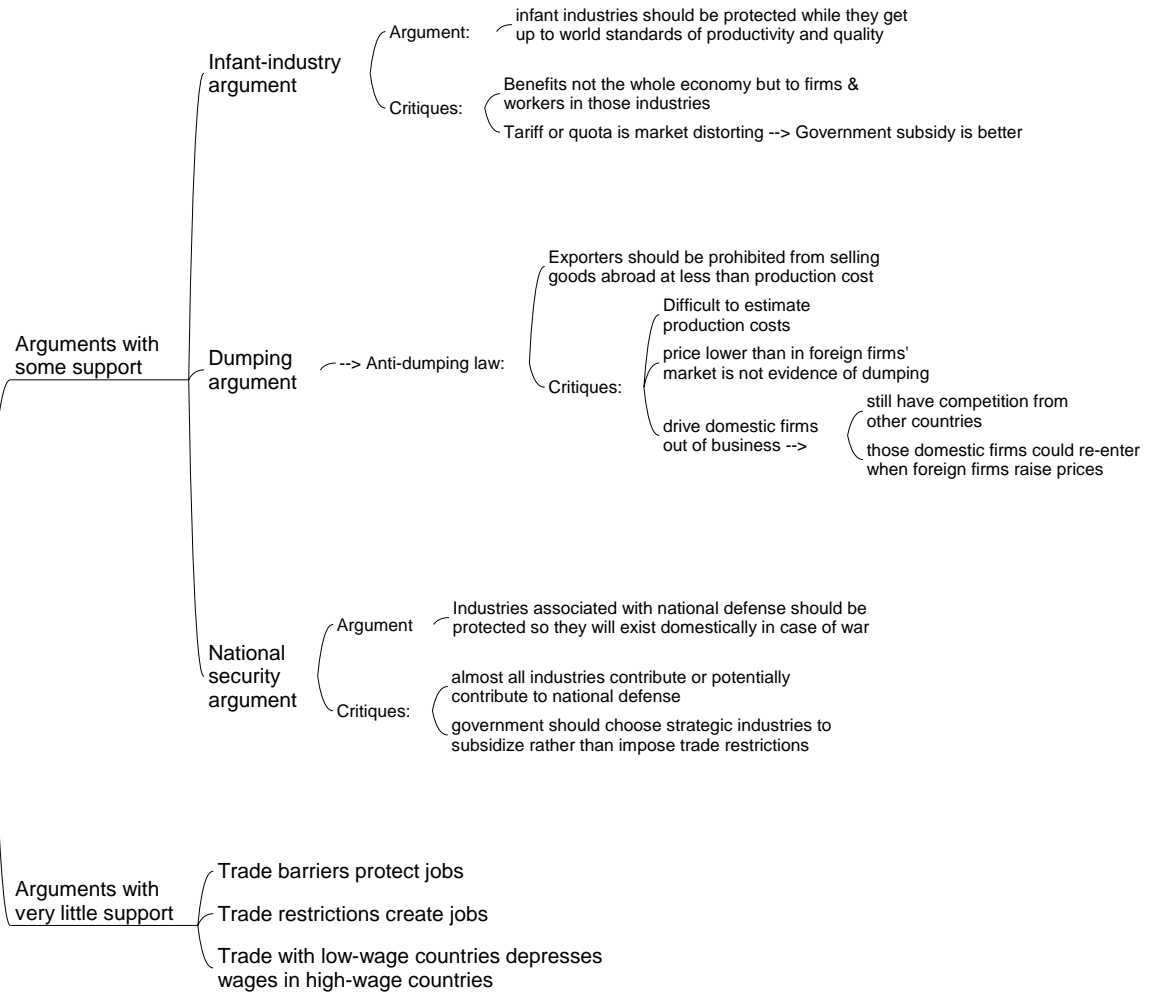
16. Trading With The World

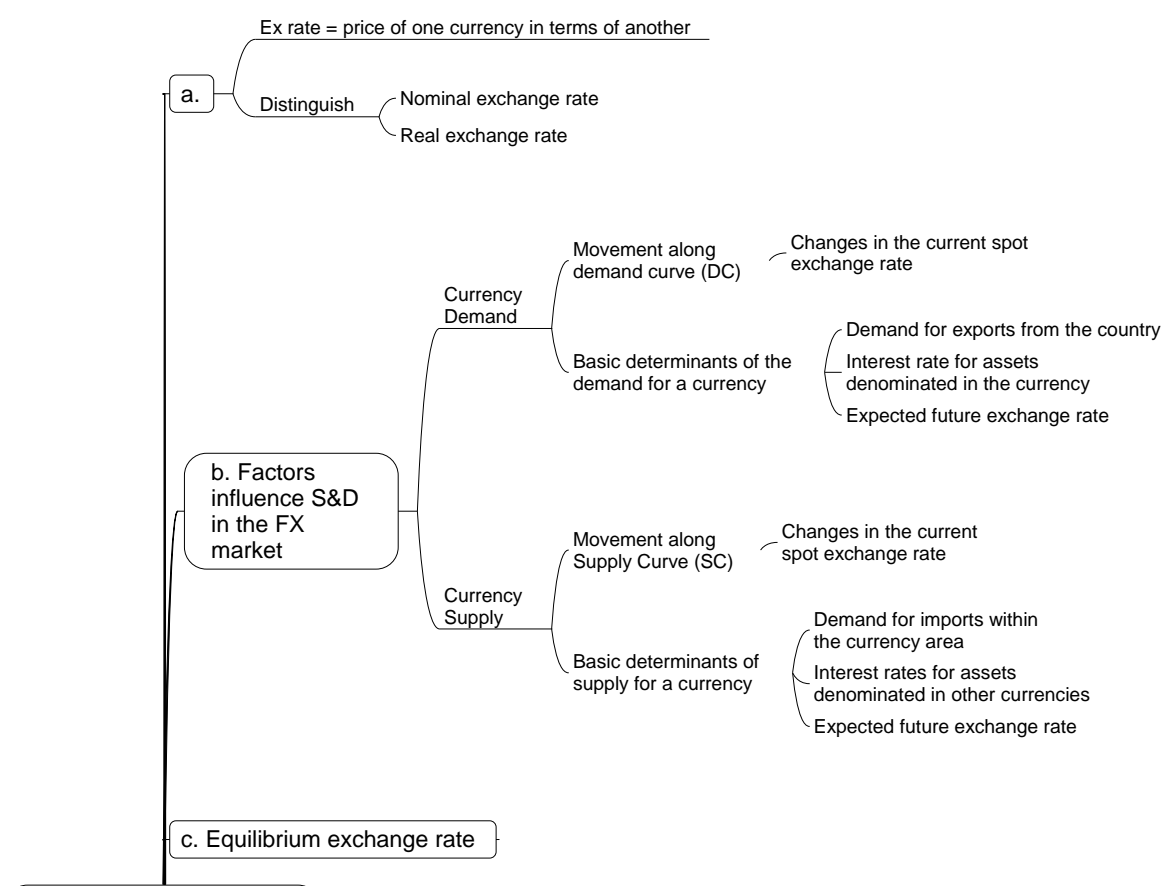


Warm-up: Consumer and producer surplus

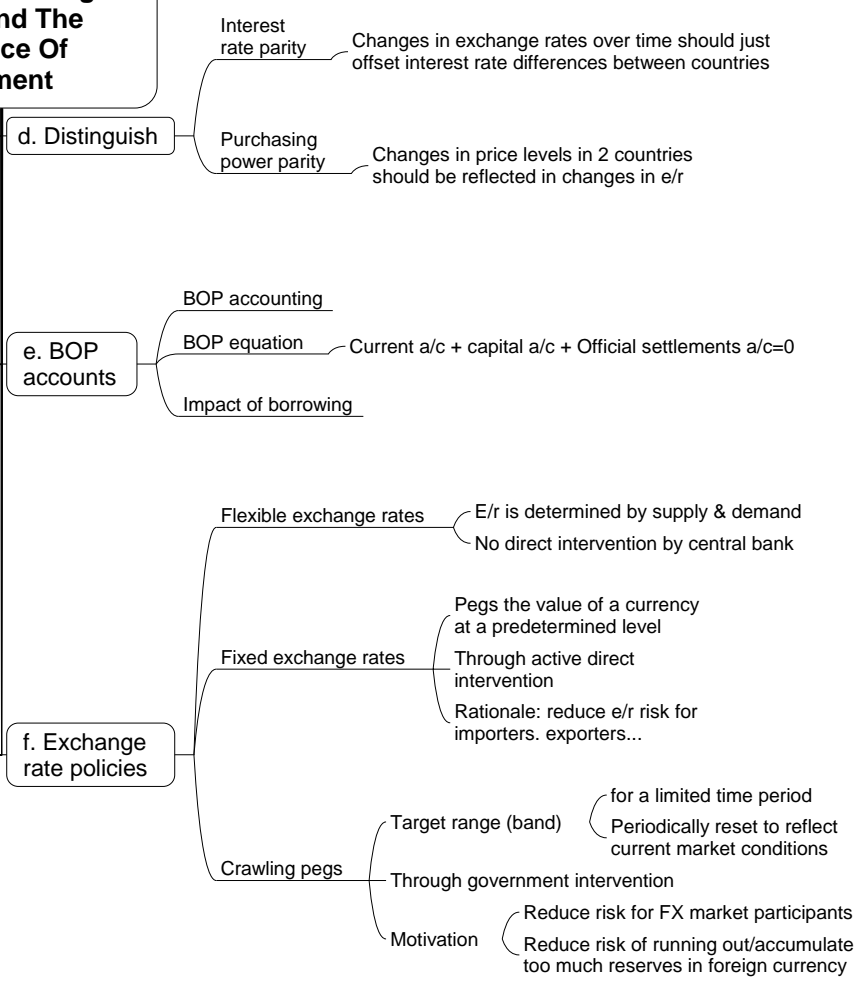


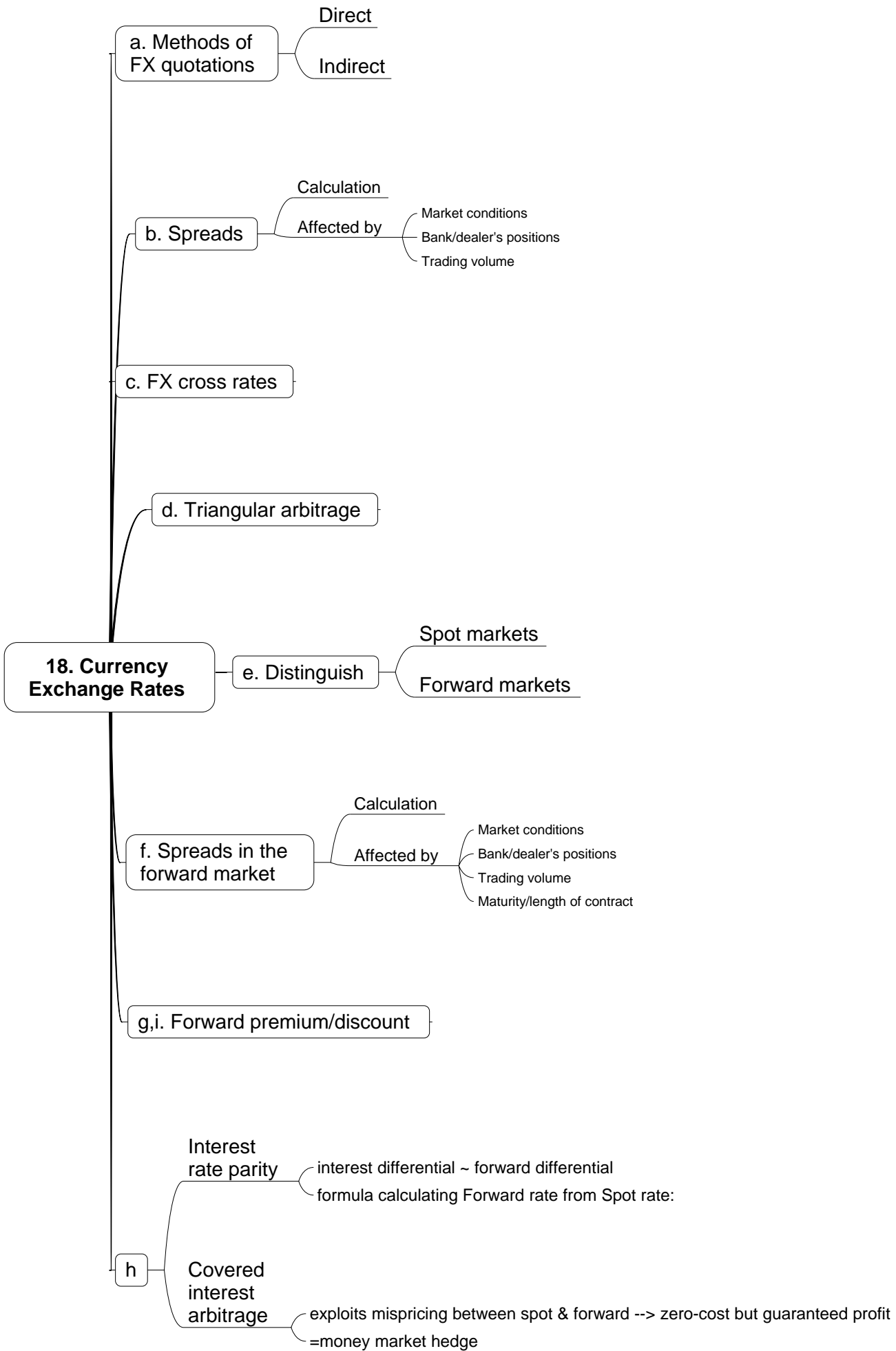
c. **Critique the arguments for trade restrictions**





17. The Exchange Rate And The Balance Of Payment





19. Foreign Exchange Parity Relations

a. Exchange rate determination in a floating system

b. BOP accounts

- Current account (CA)
- Financial (capital) account (FA)
- Official reserve account

c. How deficit or surplus in CA & FA affects an economy

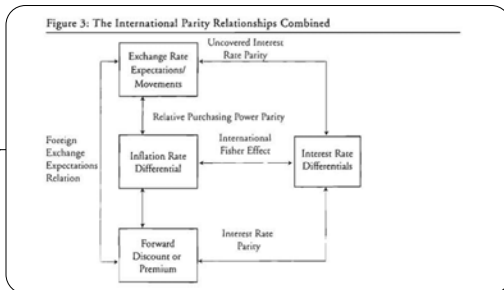
d. Factors that affect currency movements

e. Effects of

- Monetary policy on
 - BOP
 - Exchange rate
- Fiscal policy on
 - BOP
 - Exchange rate

f. Other exchange rate systems

- Fixed
- Pegged



g,h. Purchasing power parity (PPP)

- Absolute PPP — only requires that the law of one price is correct on average
- Relative PPP — Expected spot exchange rate after t years =

i,j. International Fisher relation

- Interest rate differential = Expected inflation differential
- Assumption: real interest rates
 - stable over time
 - equal across international boundaries
- Exact formula:
- Linear approximation:

k. Uncovered interest rate parity

- = combine PPP & international Fisher
- Formula: expected spot exchange rate after n days=

l,m. Foreign exchange expectation relation

- Forward rate = unbiased predictor of expected future spot rate --> no reward for bearing foreign currency exposure (but empirical evidence suggests forward rate is not unbiased predictor)
- Forward discount/premium = unbiased predictor of expected change in spot e/r

