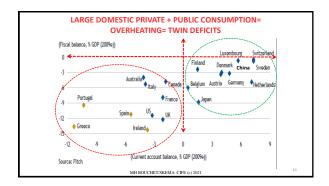


FACTORS AFFECTING A CURRENT ACCOUNT DEFICIT

▶ 1. National income variation: economic overheating

- growth/contraction relative to other countries
 - current account surplus decreases (deficit increases)
 - greater wealth implies greater demand of foreign goods (e.g. US econom growth)
- ▶ 2. Inflation and its impact on trade competitiveness: "CPI differentials"...
 - Higher CPI leads to increased imports and decreased exports due to eroded competitiveness

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FACTORS AFFECTING A CURRENT ACCOUNT

▶3. Government restrictions

- Import tariff (tax on imported goods)
 - increases prices & lowers demand on imported goods
 - increases current account of the country
 - US tariffs on apparel and farm products
 - "banana war": exports from European former colonies (Africa-Caribbean-Pacific): USA entitled to impose US\$191 million sanctions on Europe
 - Non-tariff barriers (health norms and regulations) and quotas:
 - Export and Ioan Subsidies



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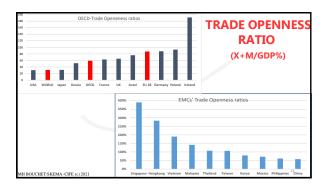
FACTORS AFFECTING A CURRENT ACCOUNT

▶ 4. Exchange rates

- = currency valued in terms of another currency
- = stronger exchange rate (overvaluation) might lead to lower exports, decrease in current account surplus, or rising deficit
 - exported goods would cost more for foreign importers, thus decreasing demand for the good
 - assuming price-elastic goods (sensitive to price changes!?)
 - Stronger Euro and weaker US\$ throughout 2003-08 mean export-led recovery in the US and gloomy growth scope in Europe! Only advantage: no imported inflation due to rising oil prices
 - Trump considers that the Yuan, the Yen and the Euro are too weak!

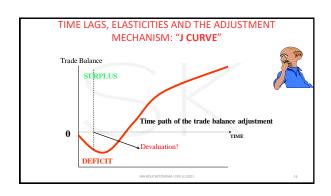
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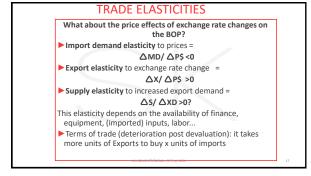
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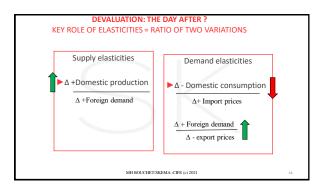


1. CORRECTING A TRADE DEFICIT? Impact of domestic currency devaluation prices should increase for imports foreign exporters may reduce price to maintain market share other currencies may also weaken to stay competitive no net gain from weaker domestic currency international trade contracts create a lag effect 18+ month lag in US intra-company trade is resistant to currency fluctuations 50% of all international trade 60% of European exports are intra-European transactions

HOW TO SHRINK A TRADE DEFICIT? Boosting Exports? depends on the price elasticity of foreign demand abroad but also on the supply elasticity of exported products at home Reducing Imports? depends on relative share of "incompressible" imports (foodstuffs, energy resources, capital goods, machinery, any import for re-export...), but also on the price elasticity of domestic demand Mediculty Medical Action 2021







REDUCING THE TRADE DEFICIT?

Import elasticity of domestic economic growth $\triangle M/\triangle Y$ = Income elasticity of demand for imports: percentage of (induced) change in imports divided by the percentage of change in income: if M double while Y is growing 50%, the value of income elasticity = 2.

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TIME LAGS, ELASTICITIES AND THE ADJUSTMENT MECHANISM

The J-Curve and Marshall-Lerner conditions:

► A devaluation will improve the trade balance if the sum of price elasticities of imports and exports is > 1

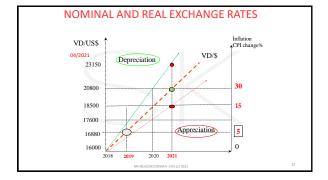
► In the long-term, if goods exported are elastic to price, export revenue will increase if foreign export demand increases proportionately more than the decrease in price. If goods imported are elastic, total import expenditure will decrease. Both will improve the trade balance!

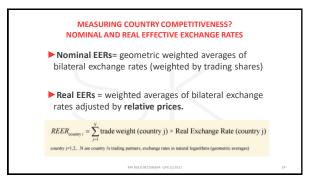
To boost export competitiveness, what should a country's central bank devalue?

The nominal exchange rate or the real effective exchange rate?

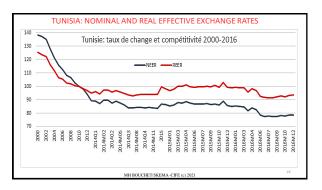
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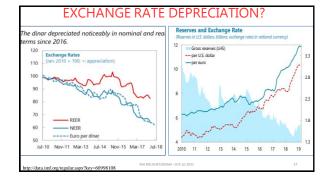
REAL EXCHANGE RATES The RER is the product of the nominal exchange rate between two currencies and the ratio of prices RER= NR x Px Py If the 6% exchange rate is 16–1,5 \$, and if average prices for the same basket of goods are 2,5 € in the EU and 3,705 in the US. RER 6/\$=1,5 * (2,5/3,7) See: Finance & Development, September 2007, pp. 46-47.

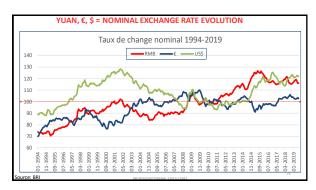


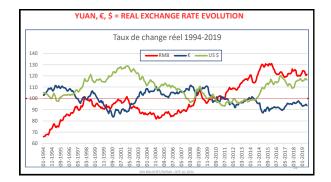


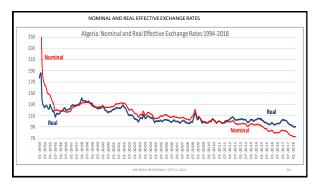


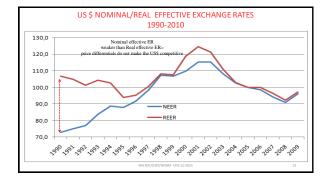


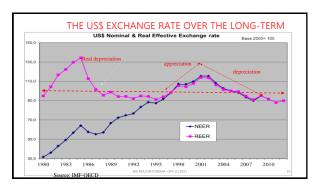


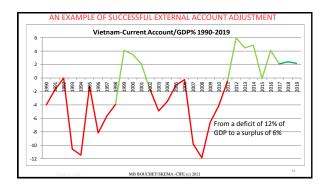


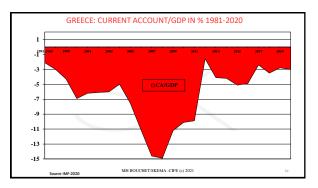


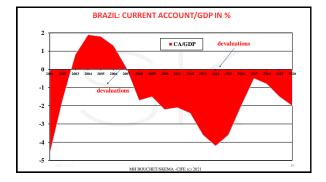


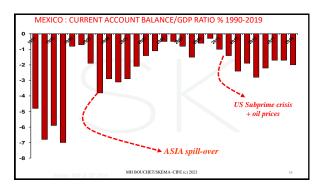


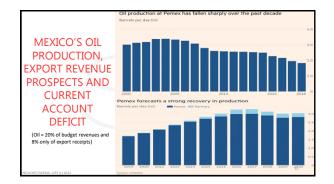


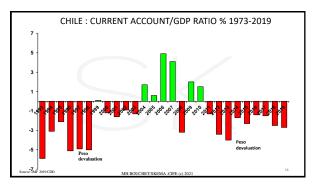


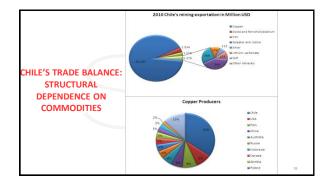


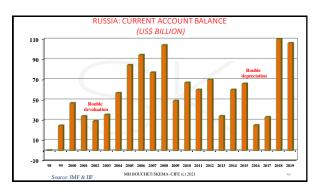


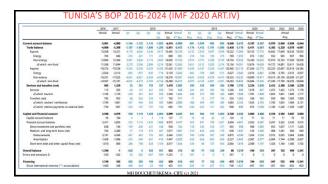












2. CUTTING INFLATION AND SLOWING DOWN OVERHEATING ECONOMY WITH EXCHANGE RATE APPRECIATION?

Principle:

- ▶1. A currency appreciation would cut the cost of imported goods and services, as well as import commodities (gasoline, machinery, production materials), hence helping to reduce the CPI.
- 2. Lowering imported costs will make them cheaper and more competitive, forcing local producers to lower prices to maintain their market share (?)

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2. CUTTING INFLATION AND SLOWING DOWN OVERHEATING ECONOMY WITH EXCHANGE RATE APPRECIATION?

- 3. Improbable trio: a central bank cannot stabilize the exchange rate and liberalize the capital account while implementing an independent monetary policy to control inflation. Floating rate frees the central bank from the need to buy foreign exchange and to increase the money supply.
- 4. Appreciating exchange rate leads people to wish to hold the currency and to own assets priced in this currency, hence reducing the demand pressure and the CPI
- ▶ All in all, appreciation of the local currency can help control inflation? This much depends on the composition of imports and the « pass through » between importers and consumers!

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US CURRENT ACCOUNT, IMPORT PRICES AND DOLLAR EXCHANGE RATE

- ➤ Key: Rate of exchange rate « pass through » = degree to which a change in the value of a country's currency induces a change in the price of the country's imports and exports
- ▶ Pass-through is always incomplete: in the OCDE countries import prices have become progressively less responsive to changes in exchange rates over the past decade or so
- ► The dollar's depreciation has had little impact on import prices and on the reduction of the US current account deficit (about 50% of the cumulative change in the \$ has been transmitted to higher US import prices over 2002-05)

Source: Fed RBNY Current Issues 09/2006 and June 2007



US CURRENT ACCOUNT, IMPORT PRICES AND DOLLAR EXCHANGE RATE

- Why will a weaker \$ boost foreign demand for US exports but with little impact on lower US imports, hence is unlikely to close the US trade deficit?
- Special role of the US\$ in invoicing international trade transactions = insensitivity of import prices to exchange rates
- Competitive market share concerns of foreign exporters
- High US marketing and distribution costs that form part of the final consumption prices of imported goods. All these costs reduce the share of the final price that is affected by exchange rates movements.

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The History of the U.S. Balance of Payments

<u>Stage I</u>: The U.S. is a young debtor nation (1770-1870) -Current account deficit due to the need to import most goods and inability to produce many goods for export. -Capital account surplus due to a great deal of foreign investment in the U.S. in the areas of roads, farming, cattle ranches, railroads, and canals. <u>Stage II</u>: The U.S. is a mature debtor nation (1870-1920) - Current account deficit due to large investment income being paid back to foreign investors based on the investment of stage I. Merchandise account in surplus -- exports >

<u>Stage III</u>: The U.S. is a *young creditor nation* (1920-1945) -Huge surplus in the current account due to large volume of postwar (WWI) exports. -Capital account in deficit due to a great deal of U.S. investment in Europe for postwar reconstruction.

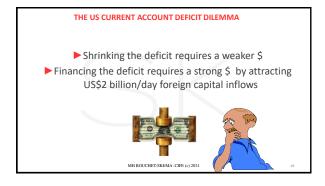
Source: http://www.digitaleconomist.com/bop_4020.html MH BOUCHET/SKEMA -CIFE (c) 202

imports.

Stage IV: The U.S. is a mature creditor nation (1945-1980) - Merchandise deficit -- exports < imports but an investment income surplus with a slight net surplus overall. - Capital account is in deficit largely due to postwar (WW II) reconstruction in Europe and Japan.

Stage V: (1980-2021) - Large (and growing) deficit in the merchandise accounts (Trade Deficit) and slight surplus in the investment income accounts. -Large surplus in the capital account partially to finance the above merchandise deficit (foreign individuals and banks lending money to individuals in the U.S.)

Additionally, since the U.S. has had a low inflation rate since 1982 and consistent economic growth, the U.S. has been a good place to invest relative to the rest of the world. However the current inflow of capital investment could eventually lead to large investment income payments in the future. The investment income surplus may soon be eroded thus worsening the current account deficit.





FINANCING THE US CA DEFICIT?

Record US CA deficit in 2003-2018 >7% of GDP Mounting deficit in 2018-19 under Trump

- ► How to finance it? By importing K inflows from outside the US economy: need for high interest rates and/or strong US\$ currency, or pressure on surplus countries (China, Korea, Japan)!
- Damocles' sword: Japanese investors massively withdraw their investments in US\$ assets and UST bills and repatriate their funds in Japan. Meanwhile, nearly 50% of US securities remain in foreign hands
- ►US and Japan compete to lower their exchange rates to gain competitive trade advantage! \$ Crash Lending?

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FINANCING THE US CAD?

- ▶ Morgan Stanley: Why is the dollar not (yet) crashing? The runaway CAD against Asian nations is not unduly worrying as long as Asia continues to park its capital surpluses in US assets (60% of the CAD is run against Asia and bulk of the US external deficit funded by Asian central banks)
- « As long as Asia stays in the dollar zone, the dollar cannot crash»
- ▶ But mounting risk over the funding of the structural deficit leading to repatriation flows by foreign investors

FINANCING THE US CA DEFICIT IN 2019-21?

Record US CA deficit in 2003-2008 >7% of GDP and 5% of GDP in 2009-2019

- ► How to finance it? By importing K inflows from outside the US economy: need for >0 real interest rates and/or strong US\$ currency, or pressure on surplus countries (China, Korea, Japan and Germany)!
- ▶ Damocles' sword: Japanese investors massively withdraw their investments in US\$ assets and UST bills and repatriate their funds in Japan. Meanwhile, nearly 50% of US securities remain in foreign hands. Declining share of China
- ► US and Japan compete to lower their exchange rates to gain competitive trade advantage!
- ► Covid19 Pandemic crisis and large monetary and fiscal stimulus might put pressure on the US\$... though the \$ remains a "flight to quality" currency compared with the €