Chapter 19 Assignment Project Exam Help

International thometary Systemom

: An Historical Overview Add WeChat powcoder

Instructor: Youngsoo Jang

Learning Objectives (1 of 3)

19.1 Explain how the goals of internal and external balance motivate economic policy makers in open economies.

Assignment Project Exam Help

19.2 Understand the monetary trilemma that policy makers
in open economies inevitably face and how alternative
international monetary systems address the trilemma in
different ways.

Add WeChat powcoder

Learning Objectives (2 of 3)

19.3 Describe the structure of the international gold standard that linked countries' exchange rates and policies prior Assignment Project Exam Help to World War I and the role of the Great Depression of the 1930s in ending efforts to perfect the coeff of the coeff

19.4 Discuss how the post—World War II Bretton Woods system of globally fixed exchange rates was designed to combine exchange rate stability with limited autonomy of national macroeconomic policies.

Learning Objectives (3 of 3)

- 19.5 Explain how the Bretton Woods system collapsed in 1973 and why many economists at the time favored an international financial system are the content of the content of
- 19.6 Summarize how the monetary and fiscal policies of a large country such as the United States are transmitted abroad under floating exchange rates.
- 19.7 Discuss how the world economy has performed in recent years and what lessons the post-1973 experience teaches about the need for international policy coordination.

Preview (1 of 2)

- Goals of macroeconomic policies—internal and external balance
- Gold standard era 1870–1914 Project Exam Help
- International monetary systems of programmer period 1918–1939
- Bretton Woods system of fixed exchange rates 1944–1973

Preview (2 of 2)

- Collapse of the Bretton Woods system
- Arguments for floating exchange rates ject Exam Help
- Macroeconomic interdependence under a floating exchange rate https://powcoder.com
- Foreign exchange markets since 1973
 Add WeChat powcoder

Macroeconomic Policy Goals (1 of 3)

- Internal balance describes the macroeconomic goals of producing at potential output (at "full employment") and of price stability (low Assignment Project Exam Help
 - An unsustainable use of resources (overemployment) tends to increase pricestips in effective order foresturces (underemployment) tends to decrease prices.
- Volatile aggregate demand and output lend november volatile prices.
 - Price-level movements reduce economy's efficiency by making the real value of the monetary unit less certain and thus a less useful guide for economic decisions.

Macroeconomic Policy Goals (2 of 3)

- External balance is achieved when a current account is
 - neither so deeply in deficit that the country may be unable to repay its identification and the country may be unable to repay its
 - nor so strongly in surplus that foreigners are put in that position.
 - For example, pressure on Japan in the 1980s and China in the 2000s.
- An intertemporal budget constraint limits each country's spending over time to levels that it can repay (with interest).

Macroeconomic Policy Goals (3 of 3)

- When countries begin to have trouble meeting their payments on past foreign loans, foreign creditors become reluctant to lend the step funds to lend the step immediate repayment of the earlier loans.
- Such an event is called a sudden stop in foreign lending.
- In such cases, the home government may prove to take severe action to reduce the country's desired borrowing from foreigners to feasible levels as well as to repay maturing loans that foreigners are unwilling to renew.

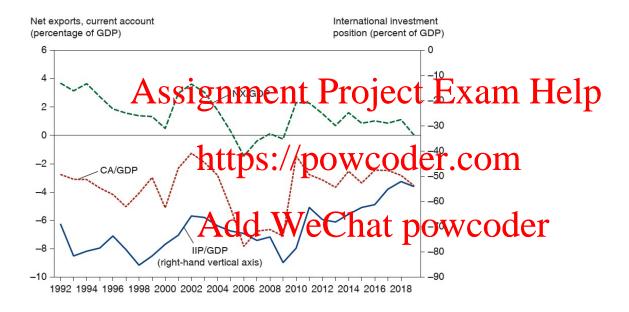
Can A Country Borrow Forever? The Case of New Zealand

- New Zealand has run current account deficits every year for as far back as official statistics have been recorded.
- Lenders continue to extendered and do not seem worried about whether they will be repaid.
- https://powcoder.com

 Appears that a country can borrow year after year without going broke, as long as does not borrow too much.

 Add WeChat powcoder
- By holding net exports to GDP constant at the right value, a country (like New Zealand) with initial net foreign debt will perpetually run deficits in its current account while still maintaining a constant ratio of net foreign liabilities to national output.

New Zealand's Net Exports, Current Account, and Net International Investment Position, 1992–2019



New Zealand has consistently had a current account deficit for decades, yet its net foreign liabilities have averaged about 70 percent of GDP and have been falling in recent years.

Source: Statistics New Zealand.

The Open-Economy Trilemma (1 of 2)

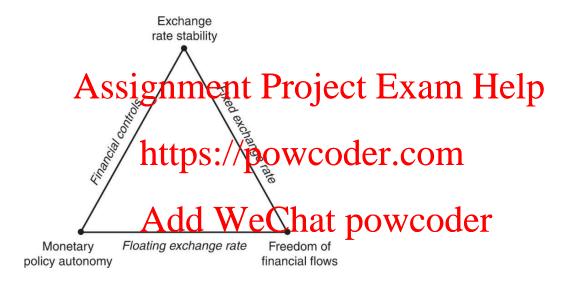
- A country that fixes its currency's exchange rate while allowing free international capital movements gives up control over domestic monetary palicy ignment Project Exam Help
- A country that fixes its exchange rate can have control over domestic monetary policy intrestricts making the control over financial flows so that interest parity $R = R^*$ need not hold. Add WeChat powcoder
- Or a country can allow international capital to flow freely and have control over domestic monetary policy if it allows the exchange rate to float.

The Open-Economy Trilemma (2 of 2)

- Impossible for a country to achieve more than two items from the following list:
 - Assignment Project Exam Help
 - 1. Exchange rate stability.
 - 2. Monetary policy oriented to median gools
 - 3. Freedom of international capital movements.

Add WeChat powcoder

Figure 19.1 The Monetary Trilemma for Open Economies



The vertices of the triangle show three features that policy makers in open economies would prefer their monetary system to achieve. Unfortunately, at most two can coexist. Each of the three policy regime labels along the triangle's edges (floating exchange rate, fixed exchange rate, financial controls) is consistent with the two goals that it lies between in the diagram.

Macroeconomic Policy under the Gold Standard 1870–1914

- The gold standard from 1870 to 1914 and after 1918 had mechanisms that prevented flows of gold reserves (the balance of payments) from bacoming to continuous the payments are the payments.
 - Prices tended to adjust the ording when the polygold circulating in an economy, which had effects on the flows of goods and services where the chaten accorder
 - Central banks influenced financial asset flows, so that the non-reserve part of the financial account matched the current account in order to reduce gold outflows or inflows.

Macroeconomic Policy under the Gold Standard (1 of 5)

- Price-specie-flow mechanism is the adjustment of prices as gold
 ("specie") flows into or out of a country, causing an adjustment in the
 flow of goods.
 Assignment Project Exam Help
 - An inflow of gold tends to inflate prices.
 - An outflow of gold tends to deflate/prices.com
 - If a domestic country has a current account surplus in excess of the non-reserve financial account, gold earned from exports flows into the country—raising prices in that country and der lowering prices in foreign countries.
 - Goods from the domestic country become expensive and goods from foreign countries become cheap, reducing the current account surplus of the domestic country and the deficits of the foreign countries.

Macroeconomic Policy under the Gold Standard (2 of 5)

• Thus, price-specie-flow mechanism of the gold standard could automatically reduce current account surpluses and deficits, achieving and countries.

https://powcoder.com

Add WeChat powcoder

Macroeconomic Policy under the Gold Standard (3 of 5)

- The **Rules of the Game** under the gold standard refer to another adjustment process that was theoretically carried out by central banks:

 Assignment Project Evan H
 - Assignment Project Exam Help

 The selling of domestic assets to acquire money when gold exited the country as payments for imports. This decreased the money supply and increased interest lates, attracting financial inflows to match a current account deficit.
 - This reversed or reduced of lower own at powcoder
 - The buying of domestic assets when gold enters the country as income from exports. This increased the money supply and decreased interest rates, reducing financial inflows to match the current account.
 - This reversed or reduced gold inflows.

Macroeconomic Policy under the Gold Standard (4 of 5)

- Banks with decreasing gold reserves had a strong incentive to practice the rules of the game: they could not redeem currency whosigamment Boraject Exam Help
- Banks with increasing gold reserves had a weak incentive to practice the rules of the game: gold did not earn interest, but domestic assets did.
 Add WeChat powcoder
- In practice, central banks with increasing gold reserves seldom followed the rules.
- And central banks often sterilized gold flows, trying to prevent any effect on money supplies and prices.

Macroeconomic Policy under the Gold Standard (5 of 5)

- The gold standard's record for internal balance was mixed.
 - The United States suffered from deflation, recessions, and financial instabilishment the 1876s, 1880s, and 1890s while trying to adhere to a gold standard.
 - The U.S. unemployment rate was 6.8% on average from 1890 to 1913, but it was less than 5.7% on average from 1946 to 1992. We Chat powcoder

Interwar Years: 1918–1939

- The gold standard was stopped in 1914 due to war, but after 1918 it was attempted again.
 - The United States remission to 1933 at \$20.67 per ounce and from 1934 to 1944 at \$35.00 per ounce (a development) of the dollars.com
 - The United Kingdom reinstated the gold standard from 1925 to 1931.
 Add WeChat powcoder
- But countries that adhered to the gold standard for the longest time, without devaluing their currencies, suffered most from reduced output and employment during the 1930s.

Bretton Woods System: 1944–1973

- In July 1944, 44 countries met in Bretton Woods, NH, to design the Bretton Woods system:
 - a fixed exchange sate against the ojscioliar and Help fixed dollar price of gold (\$35 per ounce).

 https://powcoder.com
- They also established other institutions:
 - 1. The International Monetary Weachat powcoder
 - 2. The World Bank
 - 3. General Agreement on Trade and Tariffs (GATT), the predecessor to the World Trade Organization (WTO).

International Monetary Fund (1 of 2)

- The IMF was constructed to lend to countries with persistent balance of payments deficits (or current account deficits), and to approve of devaluations gnment Project Exam Help
 - Loans were made from a fund paid for by members in gold and currencies.
 https://powcoder.com
 - Each country had a quota, which determined its contribution to the fund and the property and the property of the
 - Large loans were made conditional on the supervision of domestic policies by the IMF: IMF conditionality.
 - Devaluations could occur if the IMF determined that the economy was experiencing a "fundamental disequilibrium."

International Monetary Fund (2 of 2)

- Due to borrowing and occasional devaluations, the IMF was believed to give countries enough flexibility to attain an external balance set growthen Project airwam Help internal balance and stable exchange rates.
 - The volatility of exchalles at the commoder caused by devaluations and the vagaries of the gold standard, was viewed and white power and er instability.

Bretton Woods System (1 of 2)

- In order to avoid sudden changes in the financial account (possibly causing a balance of payments crisis), countries in the Bretton Woodssygennoteh Previous Etsuano Help financial assets across countries.
- Yet they encouraged flows of goods and services because of the view that trade benefits all economies.

 Add WeChat powcoder
 - Currencies were gradually made convertible (exchangeable) between member countries to encourage trade in goods and services valued in different currencies.

Bretton Woods System (2 of 2)

- Under a system of fixed exchange rates, all countries but the United States had ineffective monetary policies for internal balance. Assignment Project Exam Help
- The principal tool for internal balance was fiscal policy (government purchases or taxes).
- The principal tools for extend whatene by crowling from the IMF, restrictions on financial asset flows, and infrequent changes in exchange rates.

Policies for Internal and External Balance (1 of 4)

Suppose internal balance in the short run occurs when production is at potential output or when "full employment" equals aggregate demand:
 Assignment Project Exam Help

$$Y^{f} = C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= A + CA \underbrace{/FO}_{Add} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= A + CA \underbrace{/FO}_{Add} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= A + CA \underbrace{/FO}_{Add} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= C + I_{+}G + CA \underbrace{/FO}_{PO} \times A$$

$$= C + CA \underbrace{/FO}_{Add} \times A$$

$$= CA + CA \underbrace{/FO}_{Add} \times A$$

$$= CA + CA + CA \underbrace{/FO}_{Add} \times A$$

$$= CA + CA + CA + CA$$

$$= CA$$

- An increase in government purchases (or a decrease in taxes) increases aggregate demand and output above its full employment level.
- To restore internal balance in the short run, a revaluation (a fall in E) must occur.

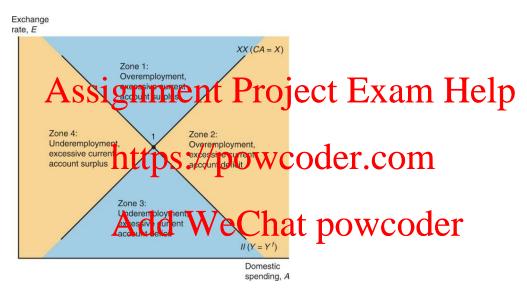
Policies for Internal and External Balance (2 of 4)

• Suppose external balance in the short run occurs when the current account achieves some value *X*:

Assignment Project Exam Help
$$CA(\frac{P}{P}, Y-T) = X$$
https://powcoder.com

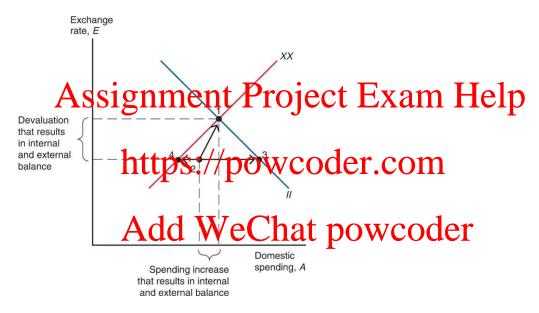
- An increase in government purchases (or a decrease in taxes)
 increases aggregate demand, Aufplut Working page aging the
 current account.
- To restore external balance in the short run, a devaluation (a rise in E)
 must occur.

Figure 19.2 Internal Balance (*II*), External Balance (*XX*), and the "Four Zones of Economic Discomfort"



The diagram shows what different levels of the exchange rate, E, and overall domestic spending, A, imply for employment and the current account. Along II, output is at its full-employment level, Y^f . Along XX, the current account is at its target level, X.

Figure 19.3 Policies to Bring about Internal and External Balance



Unless the currency is devalued and the level of domestic spending rises, internal and external balance (point 1) cannot be reached. Acting alone, a change in fiscal policy, for example, enables the economy to attain **either** internal balance (point 3) **or** external balance (point 4), but only at the cost of increasing the economy's distance from the goal that is sacrificed.

Policies for Internal and External Balance (3 of 4)

- But under the fixed exchange rates of the Bretton Woods system, devaluations were supposed to be infrequent, and fiscal policy was supposed to be infrequent to achieve both internal and external balance.
- But in general, fiscal policy cannot attain both internal balance and external balance at the same time.

 Add WeChat powcoder
- A devaluation, however, can attain both internal balance and external balance at the same time.

Policies for Internal and External Balance (4 of 4)

- Under the Bretton Woods system, policy makers generally used fiscal policy to try to achieve internal balance for politica resignment Project Exam Help
- Thus, an inability to adjust exchange rates left countries facing external imbalances over time.
 - Add WeChat powcoder
 Infrequent devaluations or revaluations helped restore external and internal balance, but speculators also tried to anticipate them, which could cause greater internal or external imbalances.

U.S. External Balance Problems under Bretton Woods (1 of 3)

- The collapse of the Bretton Woods system was caused primarily by imbalances of the United States during the 1960s and 1970s. Assignment Project Exam Help
 - The U.S. current account surplus became a deficit in https://powcoder.com
 - Rapidly increasing government purchases increased aggregate demand and output, as well as prices er
 - Rising prices and a growing money supply caused the U.S. dollar to become overvalued in terms of gold and in terms of foreign currencies.

U.S. External Balance Problems under Bretton Woods (2 of 3)

- Another problem was that as foreign economies grew, their need for official international reserves to maintain fixed exchange rates grew ighnment Project Exam Help
- But this rate of growth was faster than the growth rate of the gold reserves that central bathleshiel powcoder.com
 - Supply of gold from new discoveries was growing slowly.
 - Holding dollar-denominated assets was the alternative r
- At some point, dollar-denominated assets held by foreign central banks would be greater than the amount of gold held by the Federal Reserve.

U.S. External Balance Problems under Bretton Woods (3 of 3)

- The Federal Reserve would eventually not have enough gold: foreigners would lose confidence in the ability of the Federal Reserve so hannanth fixed option that p \$35/ounce, and therefore would rush to redeem their dollar assets before the option of the process of the option of the process of the option of the process of the option of the option
 - This problem is similar to what any central bank may face when it tries to maintain an extra point of the control bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain any central bank may face when it tries to maintain and the contract of the contra
 - If markets perceive that the central bank does not have enough official international reserve assets to maintain a fixed rate, a balance of payments crisis is inevitable.

Collapse of the Bretton Woods System (1 of 5)

- The United States was not willing to reduce government purchases or increase taxes significantly, nor reduce money supply growth.
 Assignment Project Exam Help
- These policies would have reduced aggregate demand, output, and inflation and increased the policies would have reduced aggregate demand, output,
 - The United States could have attained some semblance of external balance at a cost of a week attained some semblance of
- A devaluation, however, could have avoided the costs of low output and high unemployment and still have attained external balance (an increased current account and official international reserves).

Collapse of the Bretton Woods System (2 of 5)

- The imbalances of the United States, in turn, caused speculation about the value of the U.S. dollar, which caused imbalances imbalances impartment the content in turn, caused imbalances in turn, caused imbalances in turn, caused speculation about the value of the U.S. dollar, which caused imbalances imbalances in turn, caused speculation about the value of the U.S. dollar, which caused imbalances in turn, caused speculation about the value of the U.S. dollar, which caused imbalances in turn, caused speculation about the value of the U.S. dollar, which caused imbalances in turn, caused speculation about the value of the U.S. dollar, which caused imbalances in turn, caused speculation about the value of the U.S. dollar, which caused imbalances in turn, caused imbalan
 - Financial markets habite perpentional than U.S. economy was experiencing a "fundamental disequilibrium" and that deliver a light pour coder be necessary.

Collapse of the Bretton Woods System (3 of 5)

- First, speculation about a devaluation of the dollar caused investors to buy large quantities of gold.
 - The Federal Reserve igin mage tulanotjes of bota im March p 1968, but closed markets afterwards.
 - Thereafter, individuals antiposivate outsitution were not longer allowed to redeem gold from the Federal Reserve or other central banks.
 Add WeChat powcoder
 - The Federal Reserve would sell only to other central banks at \$35/ounce.
 - But even this arrangement did not hold: the United States devalued its dollar in terms of gold in December 1971 to \$38/ounce.

Collapse of the Bretton Woods System (4 of 5)

- Second, speculation about a devaluation of the dollar in terms of other currencies caused investors to buy large quantities of foreign currency assessignment Project Exam Help
 - A coordinated devaluation of the dollar against foreign currencies of about 8% property of the dollar against foreign
 - Speculation about another devaluation occurred: European central banks sold huge quantities of Furopean currences in early February 1973, but closed markets afterward.
 - Central banks in Japan and Europe stopped selling their currencies and stopped purchasing of dollars in March 1973, and allowed demand and supply of currencies to push the value of the dollar downward.

Collapse of the Bretton Woods System (5 of 5)

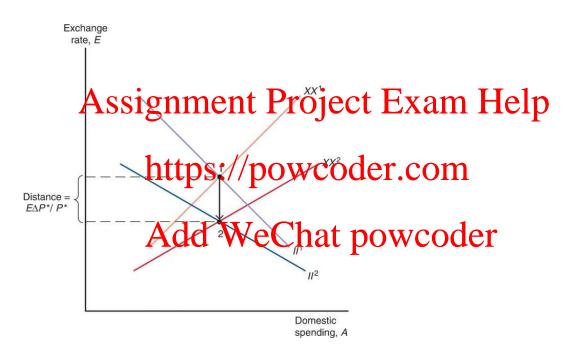
- The Bretton Woods system collapsed in 1973 because central banks were unwilling to continue to buy overvalued dollar-density attemption to the continue to buy undervalued foreign currency—denominated assets.
- In 1973, central banks thought they would temporarily stop trading in the foreign exchange market and would let exchange rates adjust to supply and demand, and then would reimpose fixed exchange rates soon.
- But no new global system of fixed rates was started again.

Table 19.1 Inflation Rates in Industrial Countries, 1966–1972 (Percent Per Year)

Country	1966	1967	1968	1969	1970	1971	1972
Britain	3.6	2.6	4.6	5.2	6.5	9.7	6.9
France	2.8	2.8 A	.ss ıg nr	nent F	'rogect	Exan	ı H elp
Germany	3.4	1.4	2.9	1.9	3.4	5.3	5.5
Italy	2.1	2.1	1.lattp	os:zkpc	weod	er.con	1 5.3
United States	2.9	3.1	4.2 Ad	d We(5.7 Chat n	4.4 OWCO C	3.2 ler

Source: Organization for Economic Cooperation and Development. **Main Economic Indicators: Historical Statistics**, **1964–1983.** Paris: OECD, 1984. Figures are percentage increases in each year's average consumer price index over that of the previous year.

Figure 19.4 Effect on Internal and External Balance of a Rise in the Foreign Price Level, *P**



After P^* rises, point 1 is in zone 1 (overemployment and an excessive surplus). Revaluation (a fall in E) restores balance immediately by moving the policy setting to point 2.

Case for Floating Exchange Rates (1 of 6)

1. Monetary policy autonomy

- Without a need to trade purply in fereign exphangelp markets, central banks are more free to influence the domestic money supply interest rates, and inflation.
 Central banks can more freely react to changes in
- Central banks can more freely react to changes in aggregate demand, outgut, and original provides the achieve internal balance.

Case for Floating Exchange Rates (2 of 6)

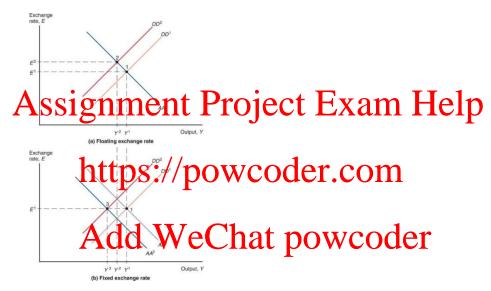
2. Automatic stabilization

- Flexible exchange rates change the prices of a country's elp products and help reduce "fundamental disequilibria."
- One fundamental disequilibrium is caused by an excessive increase in money supply and government purchases, leading to inflation, as we saw in the United States during 1965–1972.
- Inflation causes the currency's purchasing power to fall, both domestically and internationally, and flexible exchange rates can automatically adjust to account for this fall in value, as purchasing power parity predicts.

Case for Floating Exchange Rates (3 of 6)

- Another fundamental disequilibrium could be caused by a change in aggregate demand for a country's products.
 Assignment Project Exam Help
- Flexible exchange rates would automatically adjust to stabilize high or low address at Poemand and Comput, thereby keeping output closer to its normal level and also stabilizing price and also stabilizing price and also stabilizing price and also stabilized price and also sta

Figure 19.5 Effects of a Fall in Export Demand



The response to a fall in export demand (seen in the shift from DD^1 to DD^2) differs under floating and fixed exchange rates. (a) With a floating rate, output falls only to Y^2 as the currency's depreciation (form E^1 to E^2) shifts demand back toward domestic goods. (b) With the exchange rate fixed at E^1 , output falls all the way to Y^3 as the central bank reduces the money supply (reflected in the shift from AA^1 to AA^2).

Case for Floating Exchange Rates (4 of 6)

- In the long run, a real depreciation of domestic products occurs as prices fall (due to low aggregate demand, output and employment of the low aggregate exchange rates.
- In the short run and Interprint Prediction of domestic products occurs through a nominal depreciation under flexible except are except and the short run and Interprint Prediction of the short run and Interpret Prediction of the
- Fixed exchange rates cannot survive for long in a world with divergent macroeconomic policies and other changes that affect national aggregate demand and national income differently.

Case for Floating Exchange Rates (5 of 6)

3. Flexible exchange rates may also prevent speculation in some cases.

Assignment Project Exam Help

– Fixed exchange rates are unsustainable if markets believe that the central bank/does not have enough official international reserves.

Add WeChat powcoder

Case for Floating Exchange Rates (6 of 6)

- 4. Symmetry (not possible under Bretton Woods)
 - The United States is pownallowed to adjust its m Help exchange rate, like other countries.
 - Other countries are afformed topolivet their money supplies for macroeconomic goals, like the United States could.

 Add WeChat powcoder

Since 1973 (1 of 6)

- In 1975, IMF members met in Rambouillet, France to allow flexible exchange rates, but to prevent "erratic fluctuations."
 Assignment Project Exam Help
- In 1976 in Kingston, Jamaica, they amended the articles of agreement for IMF membership to formally endorse flexible rates,
 - but prevented members from "manipulating exchange rates ... to gain an unfair competitive advantage": no expenditure-switching policies were allowed.
 - The articles allowed "surveillance" of members by other members to be sure they were acting fairly.

Since 1973 (2 of 6)

- Due to contractionary monetary policy and expansive fiscal policy in the United States, the dollar appreciated by about 50% relativessignment People 1985.
 - This contributed to a **graphing power adecurrence** ficit by making imports cheaper and U.S. goods more expensive. Add WeChat powcoder

Table 19.2 Macroeconomic Data for Key Industrial Regions, 1963–2019 (1 of 2)

Inflation (percent per year)

Period	1963–1972	1973–1982	1983–1992	1993–2006	2007–2009	2010–2015	2016–2019
United States	3.3	8.8 A	ssign	ment	Project	Exar	n.ºHelp
Europe	3.9	10.1	5.8	3.1	2.5	1.5	1.2
Japan	5.5	8.7	1htt	ps://p	owcode	er.coi	11 .5

Unemployment (percent of labor force) Add WeChat powcoder

Period	1963–1972	1973–1982	1983–1992	1993–2006	2007–2009	2010–2015	2016–2019
United States	4.7	7.0	6.8	5.3	6.6	7.6	4.2
Europe	1.9	5.5	9.4	10.2	7.9	10.4	7.8
Japan	1.2	1.9	2.5	4.1	4.3	4.2	2.6

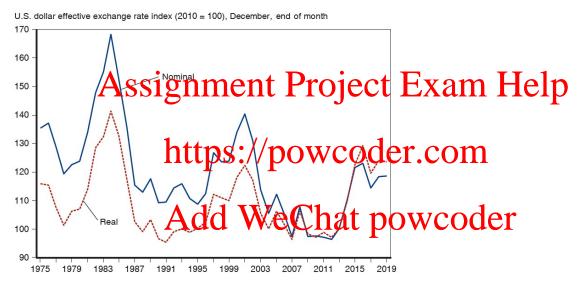
Table 19.2 Macroeconomic Data for Key Industrial Regions, 1963–2019 (2 of 2)

Per Capita Real GDP Growth (percent per year)

Period	1963–1972	1973–1982	1983–1992	1993–2006	2007–2009	2010–2015	2016–2019
United States	4.0	2.3	ssign	ment l	rojec	t Exar	n.2Help
Europe	-	2.6	2.5	2.2	-0.3	1.2	2.3
Japan	7.9	3.7	4.htt	ps://po)W _G Od	eræor	n .1

Source: International Monetary Fund, Eurosta And Work Chat powcoder

Figure 19.6 Nominal and Real Effective Dollar Exchange Rate Indexes, 1975–2019



The indexes are measures of the nominal and real value of the U.S. dollar in terms of a basket of foreign currencies. An increase in the indexes is a dollar appreciation; a decrease, a dollar depreciation. For both indexes, the 2005 value is 100.

Source: Bank for International Settlements.

Since 1973 (3 of 6)

- - The dollar dropped sharply the next day and continued to drop as Act down
 more expansionary monetary policy, pushing down interest rates.
 - The agreement was called the Plaza Accords, because it was announced at the Plaza Hotel in New York.

Since 1973 (4 of 6)

- After the value of the dollar fell, countries were interested in stabilizing exchange rates.
 - United States, Gensing, napant Britanje can Exam Help Canada announced renewed cooperation in 1987, pledging to stabilize explange /prowcoder.com
 - They calculated zones of about +/-5% around which current exchange rates were allowed to fluctuate.
 - The agreement was called the Louvre Accords, because it was announced at the Louvre in Paris.

Since 1973 (5 of 6)

- It is not at all apparent that the Louvre Accords succeeded in stabilizing exchange rates.
 - The stock market crash medioberojest Faram Help production, employment, and price stability the primary goals for the U.S. centraps and part excepting materials and price stability became less important.
 - New targets were (secretly) made after Poctober 1987, but central banks had abandoned these targets by the early 1990s.

Since 1973 (6 of 6)

 Many fixed exchange rate systems have nonetheless developed since 1973.

European monetary system the Projectore (studied in Page 21/Finance Chapter 10).
 The Chinese central bank currently fixes the Value of

 The Chinese central bank currently fixes the Value of its currency.

- Add WeChat powcoder
 ASEAN countries have considered a fixed exchange rates and policy coordination.
- No system is right for all countries at all times.

Macroeconomic Interdependence under Floating Exchange Rates (1 of 5)

- Previously, we assumed that countries are "small" in that their policies do not affect world markets.
 - For example, a depreciation of the defice the power of the deficient of the power of the power
 - For countries like Costa Rica, this may be an accurate description.
- However, large economies such as the United States, EU, Japan, and China are interdependent because policies in one country affect other economies.

Macroeconomic Interdependence under Floating Exchange Rates (2 of 5)

- If the United States permanently increases the money supply, the DD-AA model predicts for the short run:
 - 1. an increase in U.S. of scientment Project Exam Help
 - 2. a depreciation of the U.S. dollar
- What would be the effects for Japantps://powcoder.com
 - 1. an increase in U.S. output and income would raise demand for Japanese products, thereby increasing aggregate demand and Wiput Gapan.
 - a depreciation of the U.S. dollar means an appreciation of the yen, lowering demand for Japanese products, thereby decreasing aggregate demand and output in Japan.
 - The total effect of (1) and (2) is ambiguous.

Macroeconomic Interdependence under Floating Exchange Rates (3 of 5)

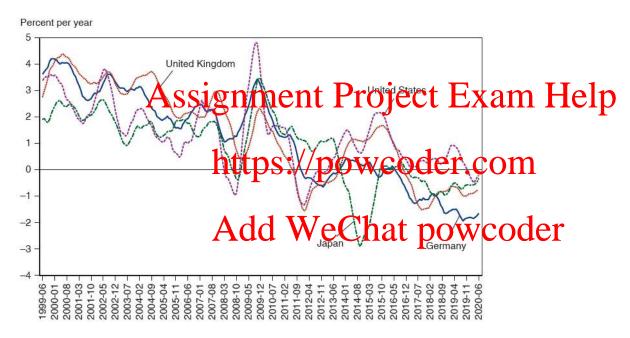
- If the United States permanently increases government purchases, the DD-AA model predicts:
 - an appreciation Assignment Project Exam Help
- What would be the effects for Japan?
 - an appreciation of the U.S. dollar means an depreciation of the yen, raising demand for Japanese products, thereby increasing aggregate demand and output 199apaneder
- What would be the subsequent effects for the United States?
 - Higher Japanese output and income means that more income is spent on U.S. products, increasing aggregate demand and output in the United States in the short run.

Macroeconomic Interdependence under Floating Exchange Rates (4 of 5)

- In fact, the United States has depended on saved funds from many countries, while it has borrowed heavily.
 - The United States has run and renject of the deficit for many years due to its low saving and high investment expenditure. https://powcoder.com

Add WeChat powcoder

Figure 19.8: Long-Term Real Interest Rates for the United States, Germany, Japan, and the United Kingdom, 1999–2020



Real interest rates fell to low levels in the 2000s. Many countries followed the same trend.

Source: OECD. Real interest rates are six-month moving averages of monthly nominal interest rates on 10-year government bonds less inflation over the preceding year.

Macroeconomic Interdependence under Floating Exchange Rates (5 of 5)

- But as foreign countries spend more and lend less to the United States,
 - interest rates are rising ment Project Exam Help

 - the U.S. dollar is depreciating.
 the U.S. current account is increasing (becoming less) negative). Add WeChat powcoder

Figure 19.7 Global External Imbalances, 1999– 2019

During the first half of the 2000s, the large increase in the U.S. current account deficit was surpluses of Asian countries (notably China), Latin America, and oil exporters. After 2008 the imbalances shrank temporarily, but have since increased, with the euro area developing a big surplus.

Source: International Monetary Fund, World Economic Outlook database. October 2019. Numbers for 2019 are projections.

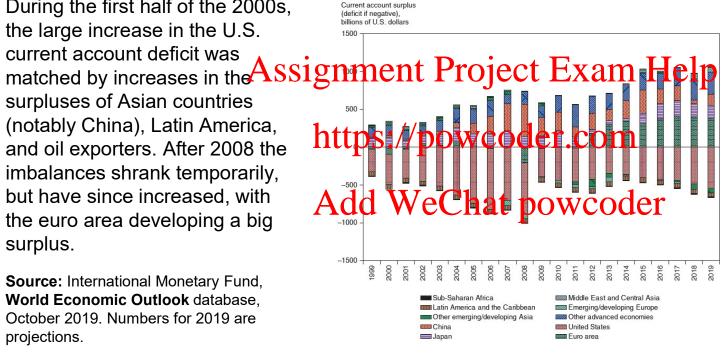
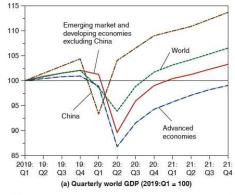
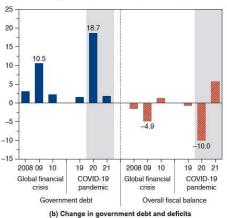


Figure 19.9 Immediate Output and Fiscal Consequences of the Global Pandemic Crisis





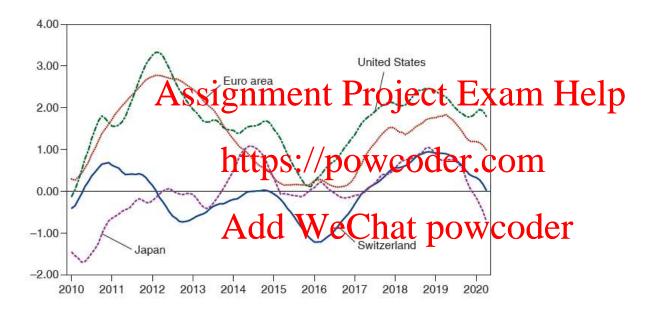
(percent of GDP)

Global output levels declined sharply because of the pandemic lockdown, while governments responded with fiscal measures even more aggressive than dering earlier global financial crisis Panch (a) shows indices of the level of GDP. Panel (b) shows aggregate global pubic debt and deficits.

Shuter the making a Monetany Fond, World Economic Outlook, June 2020 update, based on life staff estimates.

Add WeChat powcoder

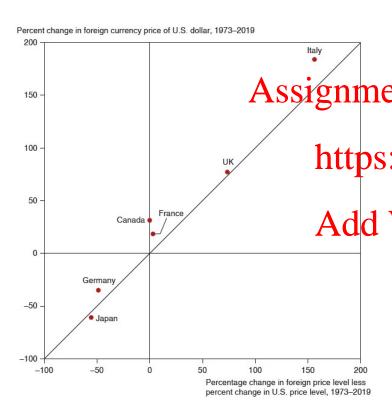
Recent Inflation Rates in Some Advanced Countries



The numbers shown are 12-month moving averages of monthly year-over-year inflation rates. Japan's CPI has been adjusted for the April 2014 and October 2019 increases in its consumption tax rates.

Sources: OECD and Statistics Bureau of Japan.

Figure 19.10 Exchange Rate Trends and Inflation Differentials, 1973–2019



Over the floating-rate period as a whole, higher inflation has been associated with greater currency depreciation. The exact however, has not held for most countries. The inflation difference on the https://orizontal.axis.is.es/culated.ax

using the exact relative PPP $hat\ powcoder$

relation given in footnote 1 of Chapter 16.

Source: International Monetary Fund, **International Financial Statistics** and Global Financial Data.

Summary (1 of 5)

- Internal balance means that an economy enjoys normal output and employment and price stability.
- 2. External balance roughly international reserves or a current account that is not too positive or too negative.

 https://powcoder.com
- 3. The gold standard had two mechanisms that helped to prevent external imbalances: Add WeChat powcoder
 - Price-specie-flow mechanism: the automatic adjustment of prices as gold flows into or out of a country.
 - Rules of the game: buying or selling of domestic assets by central banks to influence flows of financial assets.

Summary (2 of 5)

- 4. The Bretton Woods agreement in 1944 established fixed exchange rates, using the U.S. dollar as the reserve currency.
- 5. The IMF was also established the control of the stablished proposition of payments deficits and to judge if changes in fixed rates were necessary.

 https://powcoder.com
- 6. Under the Bretton Woods system, fiscal policies were used to achieve internal and external balances often resulted.

Summary (3 of 5)

- 7. Internal and external imbalances of the United States —caused by rapid growth in government purchases and the money supply—and speculation about the value of the U.S. dollar in terms of gold and protection other currencies ultimately broke the Bretton Woods system.
- 8. High inflation from U.S. madragonomic policies was transferred to other countries late in the Bretton Woods system.

Add WeChat powcoder

Summary (4 of 5)

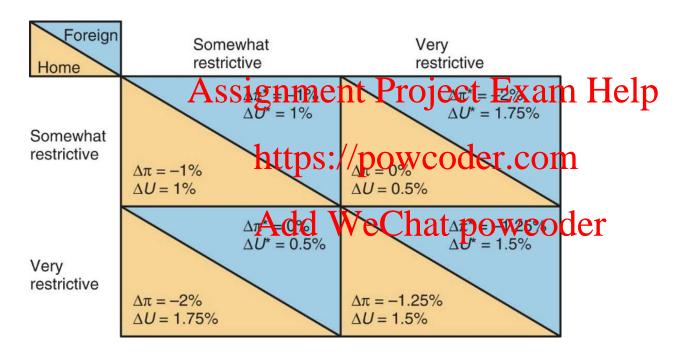
- 9. Arguments for flexible exchange rates are that they allow monetary policy autonomy, can stabilize the economy as aggregate demand and output change, and can limit some forms of speculation. Help
- 10. Arguments against flexible exchange rates are that they allow expenditure switching policies can make aggregate demand and output more volatile because of uncoordinated policies across countries, and make exchange rates more volatile.

 Add WeChat powcoder

Summary (5 of 5)

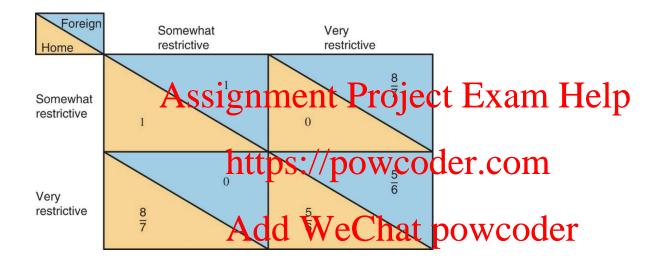
- 11. Since 1973, countries have engaged in two major global efforts to influence exchange rates:
 - The Plaza Accords Accords Accords Accords Accords The Plaza Accords Accords
 - The Louvre Accords agreentens was pintended the tabilizen exchange rates, but it was quickly abandoned.
- 12. Models of large countries account for the inflict the that contests macroeconomic policies have in foreign countries.

Figure 19A.1 Hypothetical Effects of Different Monetary Policy Combinations on Inflation and Unemployment



Monetary policy choices in one country affect the outcomes of monetary policy choices made abroad.

Figure 19A.2 Payoff Matrix for Different Monetary Policy Moves



Each entry equals the reduction in inflation per unit rise in the unemployment rate

Calculated as
$$-\frac{\Delta\pi}{\Delta U}$$
. If each country "goes it alone," they both choose very

restrictive policies. Somewhat restrictive policies, if adopted by both countries, lead to an outcome better for both.