

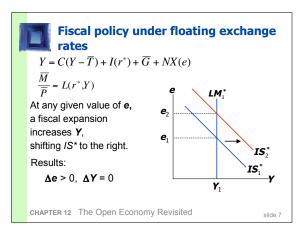


Floating & fixed exchange rates

- In a system of floating exchange rates, e is allowed to fluctuate in response to changing economic conditions.
- In contrast, under fixed exchange rates, the central bank trades domestic for foreign currency at a predetermined price.
- Next, policy analysis
 - first, in a floating exchange rate system
 - then, in a fixed exchange rate system

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Lessons about fiscal policy

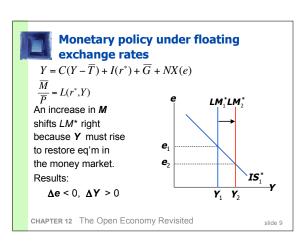
- In a small open economy with perfect capital mobility, fiscal policy cannot affect real GDP.
- "Crowding out"
 - closed economy:

Fiscal policy crowds out investment by causing the interest rate to rise.

small open economy: Fiscal policy crowds out net exports by causing the exchange rate to appreciate.

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Lessons about monetary policy

 Monetary policy affects output by affecting the components of aggregate demand:

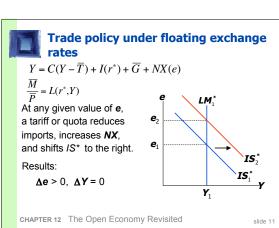
closed economy: $\uparrow M \Rightarrow \downarrow r \Rightarrow \uparrow I \Rightarrow \uparrow Y$ small open economy: $\uparrow M \Rightarrow \downarrow e \Rightarrow \uparrow NX \Rightarrow \uparrow Y$

Expansionary mon. policy does not raise world agg. demand, it merely shifts demand from foreign to domestic products.

So, the increases in domestic income and employment are at the expense of losses abroad.

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Lessons about trade policy

- Import restrictions cannot reduce a trade deficit.
- Even though NX is unchanged, there is less trade:
 - the trade restriction reduces imports.
 - the exchange rate appreciation reduces exports.
- Less trade means fewer "gains from trade."

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Lessons about trade policy, cont.

- Import restrictions on specific products save jobs in the domestic industries that produce those products, but destroy jobs in export-producing sectors
- Hence, import restrictions fail to increase total employment.
- Also, import restrictions create "sectoral shifts," which cause frictional unemployment.

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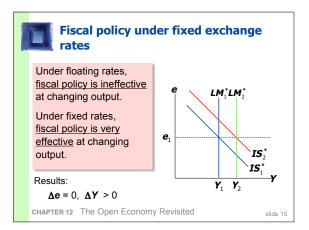


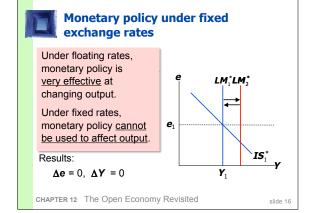
Fixed exchange rates

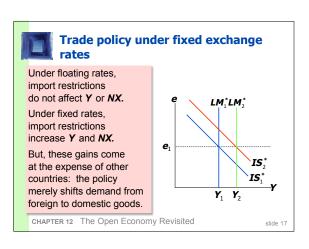
- Under fixed exchange rates, the central bank stands ready to buy or sell the domestic currency for foreign currency at a predetermined rate.
- In the Mundell-Fleming model, the central bank shifts the LM* curve as required to keep e at its preannounced rate.
- This system fixes the nominal exchange rate.
 In the long run, when prices are flexible,
 the real exchange rate can move even if the nominal rate is fixed.

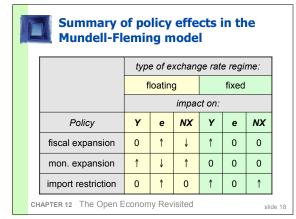
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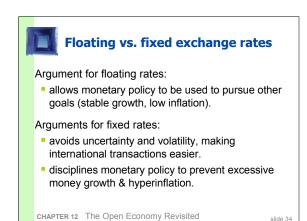
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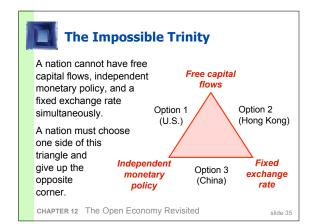


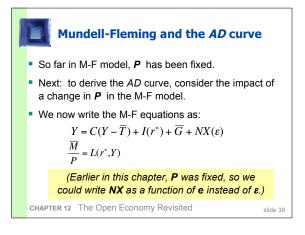


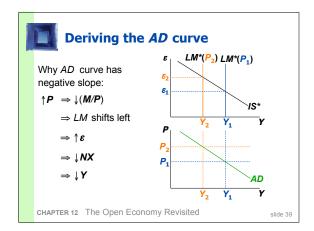


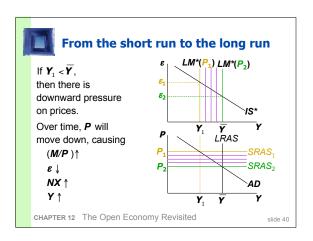














Large: Between small and closed

- Many countries including the U.S. are neither closed nor small open economies.
- A large open economy is between the polar cases of closed & small open.
- Consider a monetary expansion:
 - Like in a closed economy,

 $\Delta M > 0 \Rightarrow \downarrow r \Rightarrow \uparrow I$ (though not as much)

■ Like in a small open economy, $\Delta M > 0 \Rightarrow \downarrow \varepsilon \Rightarrow \uparrow NX$ (though not as much)

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Chapter Summary

- 1. Mundell-Fleming model
 - the IS-LM model for a small open economy.
 - takes P as given.
 - can show how policies and shocks affect income and the exchange rate.
- 2. Fiscal policy
 - affects income under fixed exchange rates, but not under floating exchange rates.

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Chapter Summary

- 3. Monetary policy
 - affects income under floating exchange rates.
 - under fixed exchange rates, monetary policy is not available to affect output.
- 4. Fixed vs. floating exchange rates
 - Under floating rates, monetary policy is available for purposes other than maintaining exchange rate stability.
 - Fixed exchange rates reduce some of the uncertainty in international transactions.

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