







Assumptions

- 1. Only two countries are modeled: Home (H) and Foreign (F)
- 2. Only two goods are important for production and consumption: cloth and food.
- 3. Labor (L) and Capital (K) are resources important for production
- 4. Food: capital intensive; Cloth: labor intensive
- 5. The amount of labor and capital (factor endowment) varies across countries, and this variation influences productivity.
- 6. The supply of labor and capital in each country is constant.
- 7. Competition allows factors of production to be paid a "competitive" wage, a function of their productivities and the price of the good that it produces, and allows factors to be used in the industry that pays the highest wage/rate.























































Empirical evidences – HOS

- The theory of factor price equalization is simple and appealing
- In the real world: factor prices are not really equal across countries.E.g:

Rates (United States $=$ 100)	
Country	Hourly Compensation of Production Workers, 2000
United States	100
Germany	121
Japan	111
Spain	55
South Korea	41
Portugal	24
Mexico	12
Sri Lanka [*]	2

TABLE 5-1 Comparative International Wage Rates (United States = 100)		
Country	Hourly Compensation of Production Workers, 2005	
United States	100	
Germany	140	
Japan	92	
Spain	75	
South Korea	57	
Portugal	31	
Mexico	11	
China*	3	









- The US has a special advantage in producing new products made with innovative technology.
- Such products may well be less capital intensive than imported products.
- Thus the US may be exporting goods that heavily use skilled labor and innovative entrepreneurship, while importing the heavy manufactured products such as automobiles that use large amount of capital.



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- Changes in factor => change in output



