tower relative cost

Principles of Economics (Spring 2024)

Lecture 15 sum up:

International Trade - Do something that you are best at doing

Part I

Absolute Advantage - The ability of a nation toproduce_r	nore units
of an item than other nations with given amount of	
the ability of a nation to produce more one unit	of an item with
less resources required	_ than other nations.

Example 1: Absolute advantage

Apple and Pear with the Same Price

Maximum amount of output by putti output by putti	Item (Ton)	Country	Apple	Pear
		A	50	20
	Mg ← Possibilities	В	20	50
	product	0.6		
suppose: split resource half to half	Production	A.	25	10
	before Trade	В	10	25
		00	and the same distribution of the same and th	
	Production	A	50	0
	after Trade	В	0	50
		4		
	Trade Half	Α,	25	25
	Trace Hall	В	25	25

Part II

than other na	tions; the abili	relative cost ty of a nation to	produce	an item at a
lower	opportui	nity cost		_ than other nations.

Example 2: Comparative advantage

Apple and Pear with the Same Price

Item (Ton)	Country	Apple	Pear	
Production	Α	60	40	
Possibilities	B .	20	30	Testing a serie
C and	0 W		1	eres eres eres eres eres
Production	Ä	30	20	
before Trade	B	10	15	
24				erroren in Herroren
Production	Α	60	0	
after Trade	~ B \[0	30	
C*3	6			
Trade 15 Tons	Α	45	15	
Trade 15 Tons	В	15	15	

Example 3

Nation A can produce 400 cameras or 40 computers per year. Nation B can produce 360 cameras or 10 computers per year

	Nation A	Nation B
Cameras per Year	400	360
Computers per Year	40	10

Given the resources of each nation, during a given year, Nation A can produce _______ cameras than Nation B. Nation A has a(an) ______ absolute _____ advantage over Nation B in the production of cameras.

Given the resources of each nation, during a given year, Nation A can produce _______ computers than Nation B. Nation A has a(an) ______ advantage over Nation B in the production of computers.

Nation A	Nation B		
The opportunity cost of 1 computer is cameras.	The opportunity cost of 1 computer is36 cameras.		
The opportunity cost of 1 camera iscomputers.	The opportunity cost of 1 camera is computers.		

Nation A has a control because it costs Nation E				the production of 1 computer, while	
Nation B has a c because it costs Nation A /36 computers.				the production of the lambda camera, while	
	Production	Possibilities	of	Alternative	
opportunity cost =	Production	Possibilities	of	Chaire	

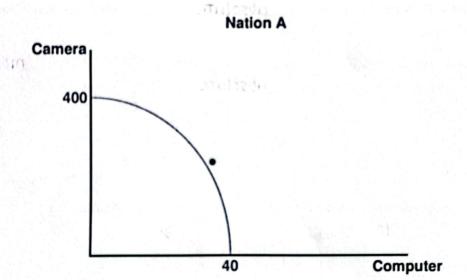
Suppose Nation A and Nation B each produce the item in which they have the comparative advantage, and trade with each other:

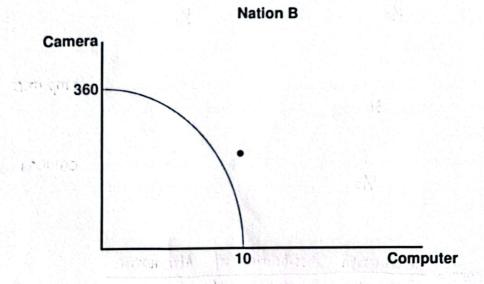
Nation A produces computers, get 40

Nation B produces cameras, get 360

⇒ Nation A trades 10 computers with 180 cameras from Nation B.

- ⇒ Nation A now has ______ computers and _____ t80 ____ cameras.





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even if it has <u>absolute advantage</u> in <u>both goods</u> .
International trade between two countries can benefit both countries if each country exports the good in which
it has a <u>comparative</u> advantage .
International trade makes it possible to <u>obtain items</u> at a <u>lower opportunity cost</u> than <u>domestic production</u> ,
because resources and technologies
in <u>each country</u> are <u>(best suited)</u> to produce the item that is <u>best suited</u> .
International trade <u>improves living standard</u> by <u>allowing comsuy consumption possibilities</u>
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Example:

Wage A B

Doctor \$100 \$50

Nurse \$20 \$5

A will choose: Doctor!

Exercise 1

If Country A specializes in the production of wheat and Country B specializes in the production of coal, and if both countries trade and benefit from trade, then it must be true that

- A. Country A has an absolute advantage in the production of wheat.
- B. Country B has an absolute advantage in the production of coal.
- C. Country A has a comparative advantage in wheat and Country B has a comparative advantage in coal.
- D. All of the above.