■ PROBLEMS Chapter 6

1. The following problem will help you understand the principle of comparative advantage and the benefits of specialization. A tailor named Hart has the production possibilities table for trousers and jackets as given. He chooses production alternative D.

HART'S PRODUCTION POSSIBILITIES TABLE

Product	Production alternatives							
	A	В	С	D	E	F		
Trousers	75	60	45	30	15	0		
Jackets	0	10	20	30	40	50		

Another tailor, Schaffner, has the following production possibilities table and produces production alternative E.

SCHAFFNER'S PRODUCTION POSSIBILITIES TABLE

Product		s					
	A	В	С	D	E	F	G
Trousers Jackets	60 0	50 5	40 10	30 15	20 20	10 25	0 30

a. To Hart,
(1) the cost of one pair of trousers is jackets
(2) the cost of one jacket is pairs of trousers
b. To Schaffner,
(1) the cost of one pair of trousers is jackets
(2) the cost of one jacket is pairs of trousers
c. If Hart and Schaffner were to form a partnership to make suits,
(1) should specialize in the making of trousers because he can make a pair of trousers
at the cost of of a jacket while it costs his part-
ner of a jacket to make a pair of trousers.
(2) should specialize in the making of jackets because he can make a jacket at the cost
of pairs of trousers while it costs his partner
pairs of trousers to make a jacket.
d. Without specialization, Hart and Schaffner were able to make 50 pairs of trousers and 50 jackets. If each specializes completely in the item in the production in which he has a comparative advantage, their
combined production will be pairs of trousers
and jackets. Thus the gain from specialization
is
<u> - 3, 3, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,</u>
e. When Hart and Schaffner come to divide the income of the partnership between them, the manufacture of a pair of trousers should be treated as the equiv-
alent of from to jackets (or a jacket should

be treated as the equivalent of from	to	
pairs of trousers).		

2. The countries of Lilliput and Brobdingnag have the production possibilities tables for apples and bananas shown below.

Note that the costs of producing apples and bananas are constant in both countries.

LILLIPUT PRODUCTION POSSIBILITIES TABLE

	Production alternatives						
Product (lbs)	Α	В	С	D	E	F	
Apples	40	32	24	16	8	0	
Bananas	0	4	8	12	16	20	

BROBDINGNAG PRODUCTION POSSIBILITIES TABLE

	Production alternatives						
Product (lbs)	Α	В	С	D	E	F	
Apples	75	60	45	30	15	0	
Bananas	0	5	10	15	20	25	
						•	

apples ar	nd the combin	ed producti	on of banan	as would
(1) If eac	bananas. ch nation spenas a compar			
productio	n will be	apples a	ınd	bananas.
	gain from spe			
	bananas.			
	following tal how much of dollar.			
		ncy per U.S.		
Country	Currency	Year 1	Year 2	A or D
Brazil	Real	0.85	0.91	
Britain	Pound	0.65	0.59	
Canada	Dollar	1.41	1.51	
France	Franc	5.44	5.22	
Germany	Mark	1.58	1.69	
India	Rupee	31.39	34.55	
Japan	Yen	100.15	110.23	
Mexico	Peso	4.65	5.09	
Norway Thailand	Krone Bhat	6.88 25.12	6.49 23.22	
b. In year French from year from year c. In year Japanese preciated yen from 4. This protexchange ra	r 1 to year 2. ar 1, a U.S. e yen, but in ye e yen. The U.) year 1 to yea olem asks yo ttes. Use the	dollar would ear 2, it would aga dollar would ear 2, it would ear 2, it would agar 2. u to calcular data in the	d purchase ald purchase inst the Fred purchase as (apprecial ainst the Jate prices between the purchase as the prices between the prices between the purchase at the	eated, de- deted, de- ated, de- dapanese
a. Using would be	e following ito the exchang the U.S. dolla nese televisio	e rates sho	e following p 0,000 yen.	roducts?
e de la seconomia del seconomia de la seconomi				\$
	h scarf costir	_		\$
(3) Thai	artwork costii	ng 3,768 bh		\$
	an auto cost an silver bra			\$ sos.

b. Using the exchange rates shown for yearwould be the U.S. dollar cost of the following(1) Japanese television costing 30,000 yen.	products?
	\$
(2) French scarf costing 600 francs.	\$
(3) Thai artwork costing 3,768 bhats.	\$
(4) German auto costing 79,000 marks.(5) Mexican silver bracelet costing 1,376 per	\$ sos.
	\$
 c. Indicate whether the U.S. dollar cost of e uct in 4b has increased (+) or decreased (-) 1 to year 2	
d. What is the relationship between your a 4c to the ones you gave for the correspondir in 3a?	
(1) When the U.S. dollar appreciates in valua foreign currency, the U.S. dollar cost of a pro	
that nation will (increase, decrease)(2) When the U.S. dollar <i>depreciates</i> in valual foreign currency, the U.S. dollar cost of a pro	
that nation will (increase, decrease)	•