Intermediate Microeconomics (Fall 2023) Lecture 10 Pareto Efficiency

Part I

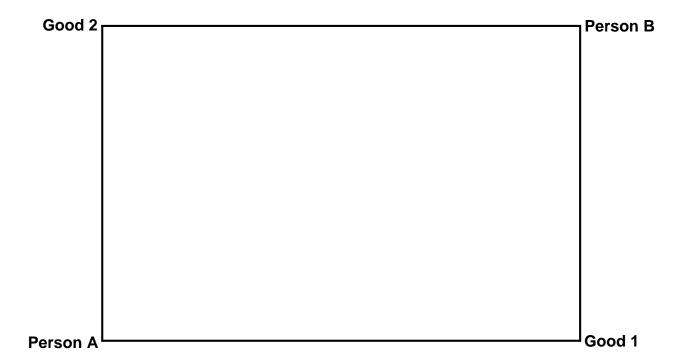
for	the	of
		·
•	Pareto Improvement – A way to	
•	Pareto Inefficient – An thata	
•	Pareto Efficient – An	
	are	
mple 1		
•	ppose that renters are assigned to the inner- and outer-ring apartments rando	mly, but then
Su	ppose that renters are assigned to the inner- and outer-ring apartments rando sublet their apartments to each other. Some people who really want to live close	•
Su wed to		in might, thro
Su wed to luck,	sublet their apartments to each other. Some people who really want to live close	in might, thro
Su wed to luck, of eone w	sublet their apartments to each other. Some people who really want to live close end up with an outer-ring apartment. But then they could sublet an inner-ring	in might, thro g apartment for her person.
Su wed to luck, of eone w	sublet their apartments to each other. Some people who really want to live close end up with an outer-ring apartment. But then they could sublet an inner-ring who is assigned to such an apartment but who does not value it as highly as the other could be apartment of the could be such as a signed to such an apartment but who does not value it as highly as the other could be such as a signed to such an apartment but who does not value it as highly as the other could be such as a signed to such an apartment but who does not value it as highly as the other could be such as a signed to such an apartment but who does not value it as highly as the other could be such as a signed to such as a signed to such as a signed by the could be such as a signed to such as a signed by the could be su	in might, thro g apartment for her person. t he feels is we
Su wed to luck, of eone w Fo	sublet their apartments to each other. Some people who really want to live close end up with an outer-ring apartment. But then they could sublet an inner-ring who is assigned to such an apartment but who does not value it as highly as the other example, suppose that Person A is assigned an apartment in the inner-ring that	in might, thro g apartment fr her person. t he feels is we s apartment. T
Su wed to luck, of eone w Fo	sublet their apartments to each other. Some people who really want to live close end up with an outer-ring apartment. But then they could sublet an inner-ring who is assigned to such an apartment but who does not value it as highly as the other example, suppose that Person A is assigned an apartment in the inner-ring that that there is Person B in the outer-ring who would be willing to pay \$300 for A'	in might, thro g apartment fi her person. t he feels is we s apartment. T these two age
Su wed to luck, of eone we Fo D, and the is a	sublet their apartments to each other. Some people who really want to live close end up with an outer-ring apartment. But then they could sublet an inner-ring who is assigned to such an apartment but who does not value it as highly as the other example, suppose that Person A is assigned an apartment in the inner-ring that there is Person B in the outer-ring who would be willing to pay \$300 for A' if	in might, thro g apartment fi her person. t he feels is we s apartment. T these two age and arrang

_____ for the apartments _____ them.

______ – people who are willing to pay the

Part II

Pare	to Efficient Allo	cation – There is		_ to make _	the
peopl	people involved; or there is			to	
make	;	individual			
makii	ng				·
• S	etting up				
0)			::	_ and
0)			::	_ and
0		's consumption bundle			
0	Person	's consumption bundle	::		
0)	: A o	f consumption b	undles,	and
0		allocatio	n: The		amount of
				is	
	to the		_ amount		
0)		allocatio	on: A	
	allocation that	the consumers			,
			and		
	⇒ The amoun	t of	that co	onsumers	
	to the				
	⇒				
0		alloc			
	allocation that	the consumers			
			some of	of the goods	with each other

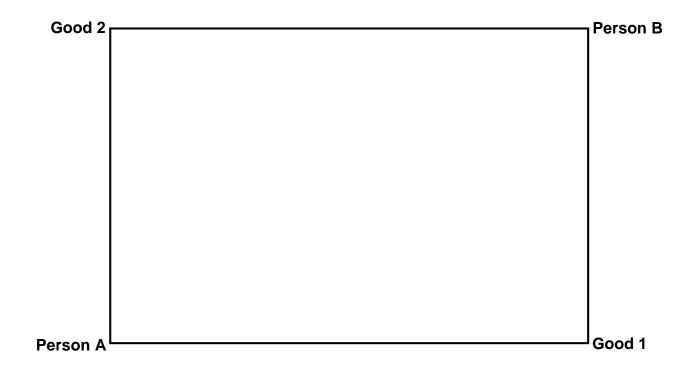


o _____:___:___

Good 2	Person B
Person A	Good 1

•		_: The	of Person	and Person
	that			

- The ______: Person _____ and Person _____ are ____
- _____: An allocation ______ the
- From _____ to ____: ____
 - Person _____ units of Good _____units of Good _____
 - ❖ Person _____ units of Good _____
 - _____ units of Good _____
 - as long as there are ______ that _____ a lens-shaped region



':	is	his
the of the		
⇒		that makes
makes the		necessarily

• At _____, consumers have the _____

O Contract Curve – The line ______ in the _____.



0	Market Equilibrium – A set of		such that
			the
			, and
		are	
	in the sense that		
	in		

Good 2	Person B
Person A	Good 1

•	for:

- _____ of Each Person's _____ = ____
- The _____ of each person is the ____ of ____:
- At _____

⇒ The	Гhe of a		
that a	to		
must be			
that the			
to			

Example 2: Shadow price

Meanwhile, at the	
⇒ The	in the
⇒ The	of the Lagrange multipliers at the
	are
	or
	a
	on the
of	the