EC2101: Microeconomic Analysis I

Exercise 1.1

Preference Relation

- 1. Peter: $A \sim C > B$
- 2. Susan: $C \ge A \sim B$
- 3. Edmund: B > C > A
- 4. Lucy: $C \ge B \ge A$

Exercise 1.2

Preference Relation and Transitivity

1.
$$A > D$$
 TRUE

2.
$$B \sim C$$
 FALSE

3.
$$B > C$$
 FALSE

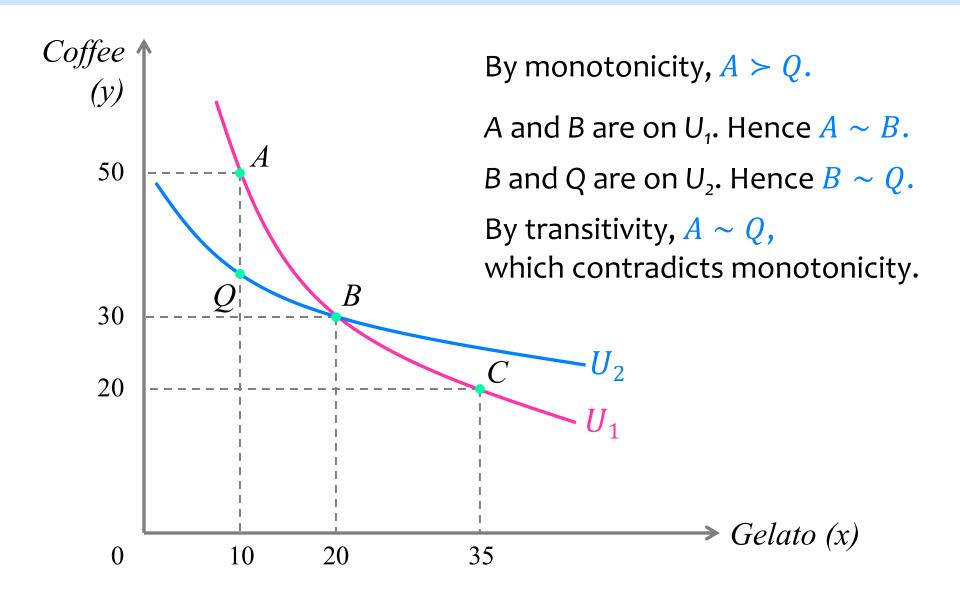
4.
$$B > D$$
 FALSE

Exercise 1.3

Preference vs. Choice

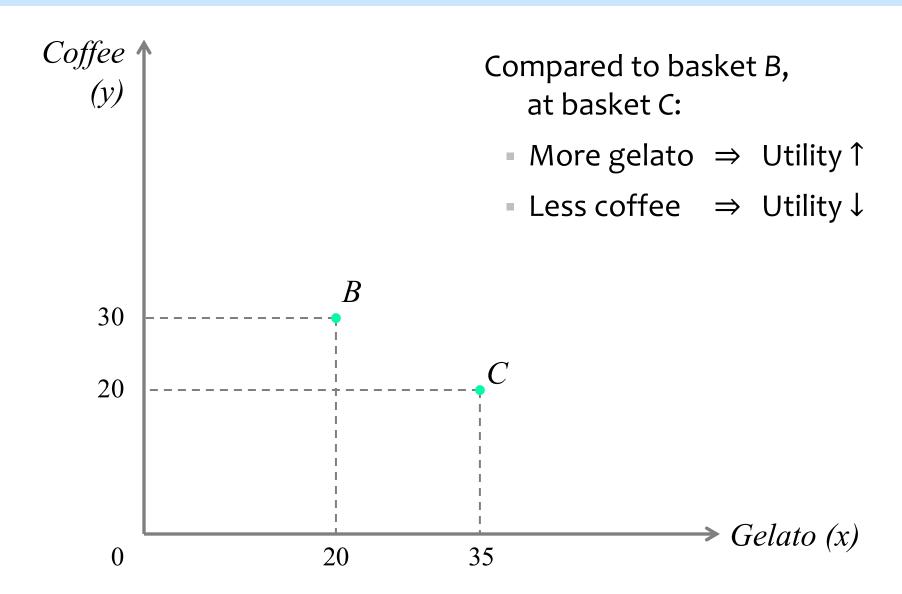
- Preference is not the same as choice.
- Preference does not depend on prices or income.
 - If you derive greater satisfaction from business class than from economy class, you prefer business class to economy class.
- Choice depends on preference, prices, and income.
 - Even though you prefer business class to economy class, you may still end up choosing economy class.

Can Indifference Curves Intersect?



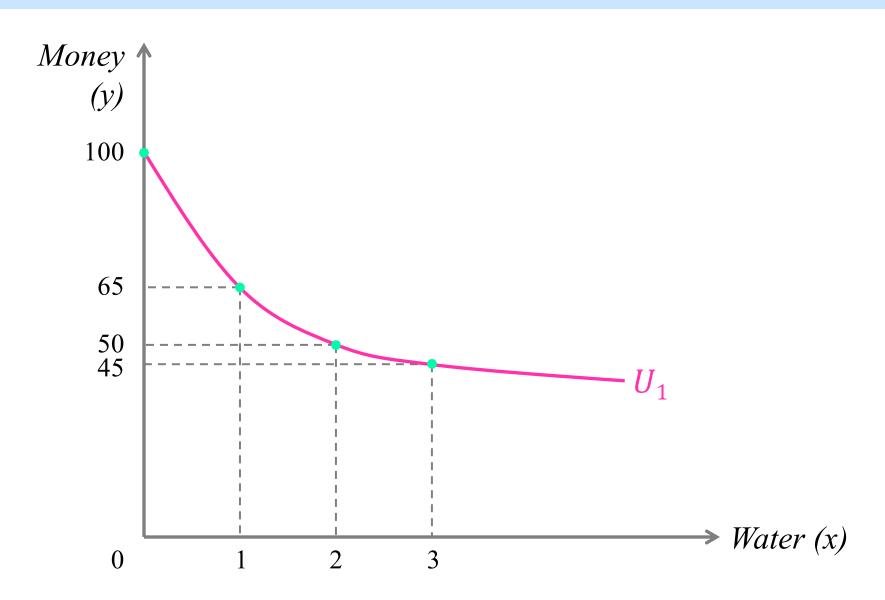
Exercise 1.5

Preferences and Monotonicity



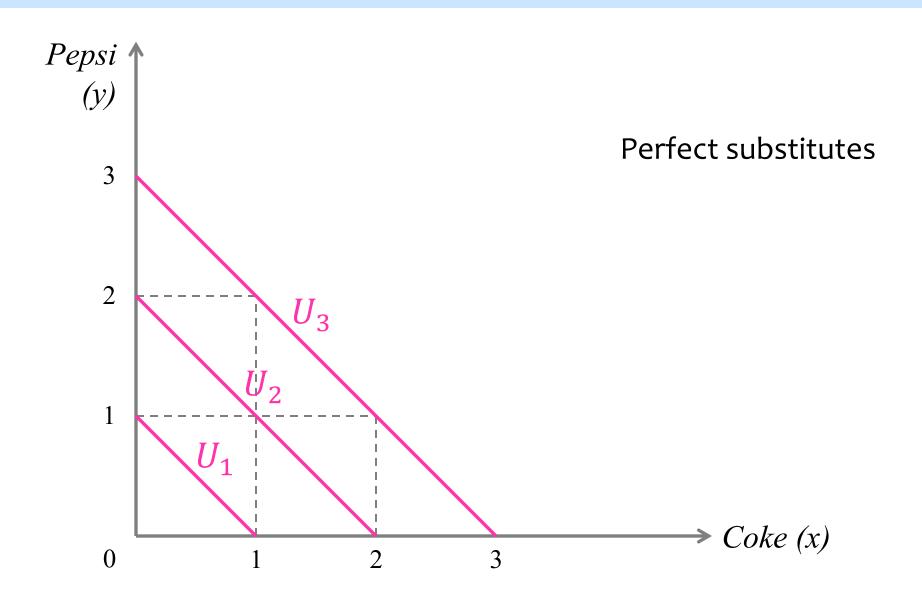
Exercise 1.6

Marginal Rate of Substitution (MRS)



Exercise 1.7(a)

Li Na is equally happy with Coke or Pepsi.



Exercise 1.7(b)

Li Na says: "For every left shoe, I need exactly one right shoe."

