

Relationship Transferability

Objectives

- Understand the difference between transferable and nontransferable relationships
- Describe and give an example of relationship nontransferability
- Illustrate nontransferable relationships on ERDs

Vocabulary

Directions: Identify the vocabulary word for each definition below.

1. _____ Property of a relationship between A and B, where an instance of A is related to an instance of B, and the association can be moved to another instance of B.
2. _____ Property of a relationship where an instance of A is related to an instance of B, and the association cannot be moved to another instance of B

Try It / Solve It

1. Draw softboxes for each of the following. Draw relationship lines and correctly label each relationship in both directions. Indicate non-transferability when appropriate.

a. Each town may be the birthplace of many people. Each person must be born in one and only one town.

b. Each room may house one or more guests. Each guest may stay in one and only one room.

c. Each employee must work for one and only one department. Each department may have one or more employees.

d. Each hotel may be the host of one or more guests. Each guest may be hosted in one or more hotels.

e. Each message must be addressed to one or more persons. Each person may be the addressee of one or more messages.

f. Each garment must have one and only one price. Each price may be for one or more garments.

g. Each airline coupon must be used for one and only one destination. Each destination may be visited with one or more coupons.

- h.** Each automobile must use one and only one tire size. Each tire size may be used by one or more automobiles.
- i.** Each child must have one and only one mother. Each mother must be the parent of one or more children.
- j.** Each person must be of one and only one blood type. Each blood type may classify one or more persons.
- k.** A person may be on one or more junk-mail lists. Each junk list may contain one or more persons.
- l.** Each student may learn from one or more teachers. Each teacher may educate one or more students.
- m.** Each school may be attended by one or more honor students. Each honor student must attend one and only one school.
- n.** Each fingerprint must belong to one and only one person. Each person must have one and only one fingerprint.

2. (Optional Practice: Global Fast Foods)

This practice is step 3 in the Global Fast Foods project.