

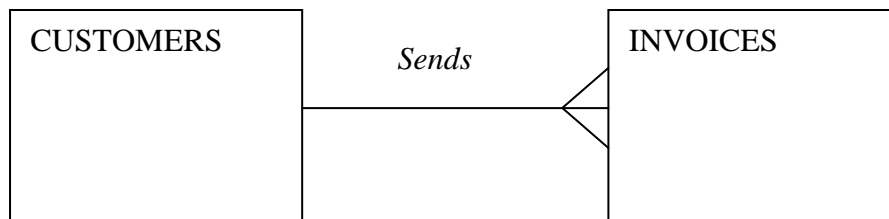
- 1- An invoice is sent to one customer, and there can be many invoices sent to the same customers.
- 2- A part is used in many projects, and many projects use the part
- 3- A person works in one department, and there are many persons in a department
- 4- A vehicle is owned by one person, and a person can own many vehicles
- 5- Students take subjects. Each subject can be taken by many students, and each student can take many subjects
- 6- Persons apply for loans. Each loan must be made to one person, but each person can make many applications
- 7- An operator can work on many machines, each machine has many operators. Each machine belongs to one department, but a department can have many machines.

Business rules

Case 1

Business rules

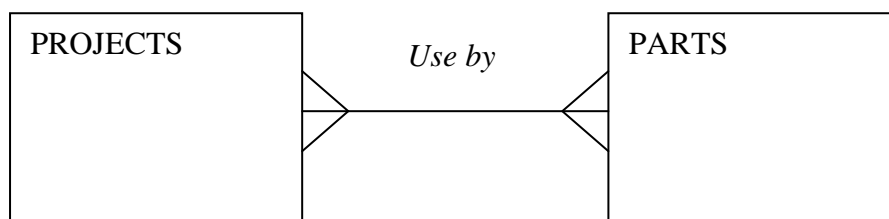
- a) An invoice has one Customer
- b) A Customer can have many invoices



Case 2

Business rules

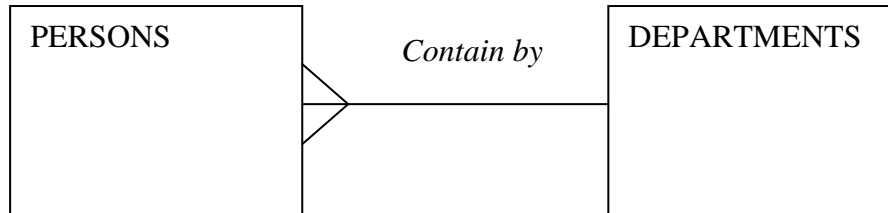
1. A project can use many parts
2. A part is used on many projects



Case 3

Business rules

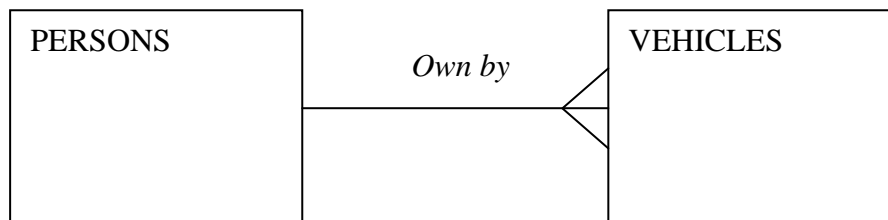
- a) A person works in one department
- b) A department contains persons



Case 4

Business rules

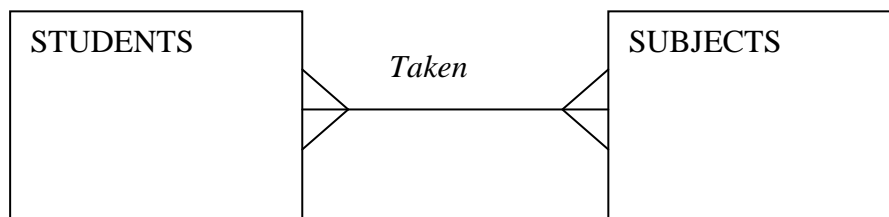
- a) A vehicle is owned by one person
- b) A person can have many cars



Case 5

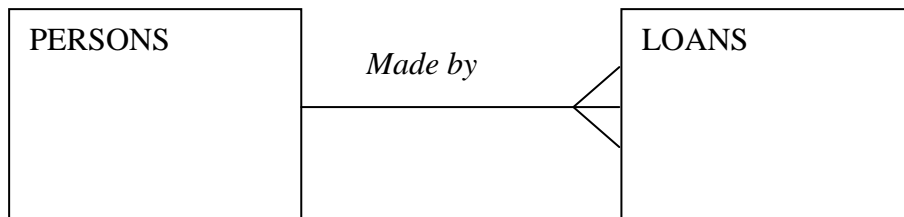
Business rules

- a) Student takes many subjects
- b) Each subject can be taken by many students



Case 6
Business rules

- a) A loan is made by one person.
- b) each person can make many applications.



Case 7
Business rules

- 3. A machine can have many operators.
- 4. An operator can use many machines.
- 5. A machine belongs to one department.
- 6. A department can have many machines.

