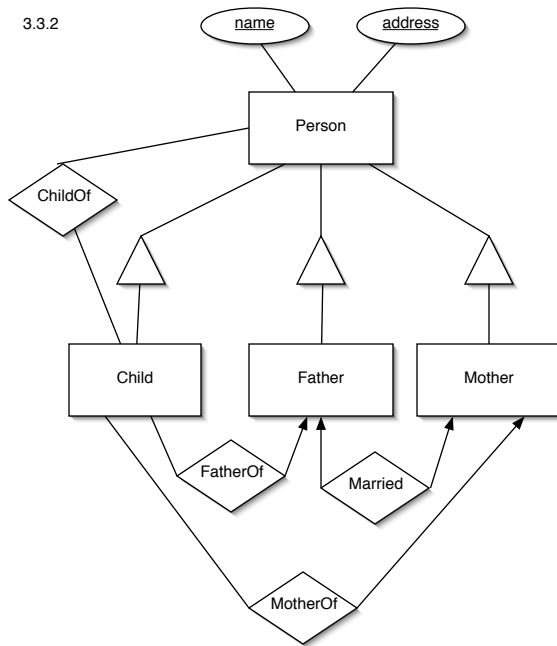


3.3.2



a) Straight E/R method

Person(name, address)
Child(name, address)
Father(name, address)
Mother(name, address)

ChildOf(childName, childAddress, personName, personAddress)
FatherOf(fatherName, fatherAddress, personName, personAddress)
MotherOf(motherName, motherAddress, personName, personAddress)
Married(fatherName, fatherAddress, motherName, motherAddress)

b) Object-Oriented method

Person(name, address)
PersonChild(name, address)
PersonFather(name, address)
PersonMother(name, address)
PersonChildFather(name, address)
PersonChildMother(name, address)
PersonChildFatherMother(name, address)

ChildOf(childName, childAddress, personName, personAddress)
FatherOf(fatherName, fatherAddress, personName, personAddress)
MotherOf(motherName, motherAddress, personName, personAddress)
Married(fatherName, fatherAddress, motherName, motherAddress)

c) Null-Values method

Person(name, address, fatherName, fatherAddress, motherName, motherAddress)
ChildOf(childName, childAddress, personName, personAddress)
FatherOf(fatherName, fatherAddress, personName, personAddress)
MotherOf(motherName, motherAddress, personName, personAddress)
Married(fatherName, fatherAddress, motherName, motherAddress)