1.Director ⊆ Person ∩ ∃worksFor.Organization A director is a person and works for some organization. 2.BasketballFan ⊆ Person ∩ like.Basketball A BasketballFan is a person and likes Basketball. 3.ScienceStudent  $\equiv$  student  $\cap$   $\exists$  hasMajor.Science A science student is a student who has major science. 4.SwimmingFan ⊆ Person ∩ PeopleWithHobby A SwimmingFanis a person and has hobby. 5.BaseballFan ⊆ Person ∩ like.Baseball A BaseballFan is a person and likes baseball. 6.'software program'  $\subseteq$  article  $\subseteq$  publication A software program is an article and publication. 7.chair ⊆ person ∩ ∃worksFor.Organization A chair is a person and works for some organization. 8.Man ∪ Woman ⊆ person Man or woman is person. 9.BasketballFan U BaseballFan U SwimmingFan ⊆ PeopleWithHobby BasketballFan , baseballFan and swimmingFan is the people who has hobby. 10.Man ∩ Woman ⊆ Ø It dosen't exist a person is a man and woman in the same time.