Actificial Intelligence

Unification

We can get the inference immediately if we can att find a substitution o such that king (x) and Greedy (y) match king (John) and Greedy (John)

0 = & och John, y/John) works

Unity (x,B) = 0 it 000 = BO

P O O

knows (John, X) , knows (John, Tune) & > /Jane 3 knows (John, X) knows (By, OJ) & (x/OJ, y/John)

knows (John, X) knows (4, Mother (4)) (5 x / John, x / Mother (50) knows (John, X) knows (X, OJ) (Fail)

First order inference Role

XX King (x) A Greedy (X) => FVII(X)

king (John)

Greedy (John)

The inference Evil (John) from the sentence is obvious

there is some substitution of that makes each of the conjuncts of the premise of the implication identical to sentences already in the knowledge base, then we can assert the conclusion of the implication after applying of