Training Set

Name	Hair	Milk	Legs	Class
antelope	Yes	No	4	mammal
catfish	No	No	0	fish
dolphin	No	Yes	0	mammal
dove	No	No	2	bird
duck	No	No	2	bird
elephant	Yes	Yes	4	mammal
flamingo	Yes	No	2	bird
frog	No	No	4	amphibian
fruit bat	Yes	Yes	2	mammal
gull	No	No	2	bird

Learning Algorithm

Induction

Build Model

Model

Apply Model

Deduction

Test Set

Name	Hair	Milk	Legs	Class
herring	No	No	0	?
kiwi	No	No	2	?
lark	No	No	2	?
lynx	Yes	Yes	4	?
mode	Yes	Yes	4	?