1.	A declarative language is used to represent the following facts about birds:
01	species (eagle, raptor).
	species(falcon, raptor).
	species (penguin, flightless).
	<pre>species(ostrich, flightless). species(peacock, galliform).</pre>
0.5	species (peacock, gaillionm).
06	habitat(eagle, mountains).
	habitat(falcon, cliffs).
	habitat (penguin, arctic).
	habitat (ostrich, savanna).
ΤU	habitat(peacock, forest).
11	diet(eagle, carnivore).
	diet(falcon, carnivore).
	diet (penguin, piscivore).
	diet (ostrich, omnivore).
15	diet(peacock, omnivore).
(2)	Add more facts to include a pigeon as a species of bird living in cities with an omnivore diet.
(a)	Add more facts to include a pigeon as a species of bird living in cities with an offinivore diet.
•••••	
	[2]
(b)	Using the variable Bird, the goal:
hal	bitat(Bird, arctic)
reti	urns
Bi	rd = penguin
Wr	ite the result returned by the goal:
hal	bitat(Bird, forest)
Bird	d =[1]
(c)	(i) Write the goal, using the variable OmnivorousBird, to find all the birds with an omnivore diet.
	[1]
(ii)	Write the goal, using the variable RaptorCarnivore, to find all the raptor birds with a carnivore diet.
	[2]

2.	A declarative language is used to represent the following facts about colors:
	<pre>primary(red).</pre>
	primary(blue).
	primary(yellow).
	secondary(orange, red, yellow).
	secondary(green, blue, yellow). secondary(purple, blue, red).
00	secondary (purple, blue, red).
(a)	Add more facts to include cyan as a tertiary color that combines blue and green.
	[2]
	Using the variable PrimaryColor, the goal:
pr	imary(PrimaryColor)
reti	urns
Pr	<pre>imaryColor = red, blue, yellow</pre>
Wri	te the result returned by the goal:
se	condary(SecondaryColor, _, _)
Se	condaryColor =[1]
	(i) Write the goal, using the variable ColorA, to find all the secondary colors that include red as one of their apponents.
	[1]
	Write the goal, using the variable ColorB, to find all the colors (primary or secondary) that include blue as one of ir components.
	[2]