AI Assignment - 3

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This doc file contains success screenshots of all the predicates asked in the assignment.

Common Genus -

```
| ?- common_genus(red_wolf, dog).

true ?

yes
| ?-
```

```
| ?- common_genus(red_wolf, A).

A = red_wolf ? ;

A = coyote ? ;

A = gray_wolf ? ;

A = dog ?

yes
| ?-
```

```
| ?- common_genus(african_wild_dog, red_wolf).

no
| ?-
```

```
| ?- common_genus(common_fox, arctic_fox).

true ?

yes
| ?-
```

Common Species -

```
| ?- common_species(dog, A).

A = dog ? ;

A = gray_wolf ?

yes
| ?-
```

```
| ?- common_species(gray_wolf, A).

A = gray_wolf ? ;

A = dog ?

yes
| ?-
```

```
| ?- common_species(dog, fennec_fox).

(1 ms) no
| ?-
```

Relation Paths -

```
| ?- relation_path(gray_wolf, dog, Z).

Z = [gray_wolf,canis_lupus,canis_lupus,canis_lupus_familiaris,dog] ?

yes
```

```
| ?- relation_path(gray_wolf, red_wolf, Z).

Z = [gray_wolf,canis_lupus,canis,canis_rufus,red_wolf] ?

yes
| ?-
```

```
| ?- relation_path(african_wild_dog, dog, Z).

Z = [african_wild_dog,lycaon_pictus,lycaon,canidae,canis,canis_lupus,canis_lupus_familiaris,dog]

yes
| ?-
```

```
| ?- relation_path(african_wild_dog, fennec_fox, Z).

Z = [african_wild_dog,lycaon_pictus,lycaon,canidae,vulpes,vulpes_zerda,fennec_fox] ?

yes
| ?-
```

```
| ?- relation_path(red_wolf, fennec_fox, Z).

Z = [red_wolf,canis_rufus,canis,canidae,vulpes,vulpes_zerda,fennec_fox] ?

yes
| ?-
```

Thanks
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