# Semantics

## 1 Literals and blank nodes

Let $\Gamma$ be the RDF graph below. You will need to interpret both blank nodes and literals using the semantics layed out in the lectures.

1. Create an interpretation $\mathcal{I}_1$ such that $\mathcal{I}_1 \models \Gamma$.
2. Create an interpretation $\mathcal{I}_2$ such that $\mathcal{I}_2 \not\models \Gamma$.

```
@prefix : <http://www.example.org#> .
@prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#> .

:Tweety rdf:type   :Bird .
:Nixon  rdf:type   :Republican .
:Nixon  rdf:type   :Quacker .
:Nixon  :listensTo :Tweety .
:Nixon  :likes     [ a :Bird ]  .
[]      :likes     :Nixon .
:Nixon  :hasNickname "Ric" .
:Tweety :hasNickname "Mr. Man" .
:Tweety :likes     :Tux .
```