

## Mini Teste 2 - INTELIGÊNCIA ARTIFICIAL - 2020.2

ARMSTRONG LOTHANS DE MELO GOMES QUINTINO - UFAPE

- 1º a)  $\forall x (\text{homem}(x) \rightarrow \text{mortal}(x))$   
b)  $\forall x (\text{Toque Mundo}(x) \rightarrow \text{Gosta}(x, \text{Sorvete}))$   
c)  $\forall t (\text{estrombo}(t) \rightarrow \neg \text{ama}(\text{Luísa}, t))$   
d)  $\forall m \forall p (\text{ama}(m, \text{Dezembro}) \wedge \text{Papai Noel}(p)) \rightarrow \text{ama}(m, p)$   
e)  $\forall x (\text{planta}(x) \rightarrow \neg \text{extraterrestre}(x))$
- 2º a)  $\exists p (\text{Professor}(p) \rightarrow (\text{amigo}(p, \text{Igor}) \wedge \neg \text{amigo}(p, \text{Gian})))$   
b)  $\forall d (\text{Diretor}(d) \rightarrow (\text{amigo}(d, \text{Diego}) \wedge \text{amigo}(d, \text{Bruno})))$   
c)  $\exists p (\text{Gosta}(\text{Assuena}, p) \wedge \text{Gosta}(p, \text{PAA}))$   
d)  $\forall p \forall c (\text{Possui}(p, \text{raposa}) \wedge \text{odora}(p, \text{Persegue}(c, \text{raposa})))$
- 3º  $\forall p (\text{monta}(p, \text{Scott}) \rightarrow \text{astral}(p))$   
 $\forall p (\text{Ciclista}(p) \rightarrow (\text{Pilota}(p, \text{Coloi}) \vee \text{Pilota}(p, \text{Scott})))$   
 $\forall p (\text{monta}(p, \text{Coloi}) \rightarrow \text{atleta}(p))$   
 $\forall A (\text{atleta}(A) \rightarrow \text{instrutor}(A))$   
 $\forall G (\text{Garota}(G) \wedge \text{Legal}(G)) \wedge (\forall p \text{ Astral}(p)) \rightarrow \neg \text{namora}(G, p)$   
 $(\text{Garota}(\text{Lis}) \wedge \text{Legal}(\text{Lis})) \wedge \text{Ciclista}(\text{Pedro})$