P(sc) = sc é un número natural $\neg (\forall x)(Bc \rightarrow Qx) \leftarrow 7$ $(3x)-(Px\rightarrow Qx) = 7$ $(\exists x)(px \land \neg Qx)$ $(\exists x)(px \land \neg Qx)$ $\neg [(\forall x \in A)(\exists y \in B)(x < y)] \in ?$ (JxEA) T(JyEB) (XLY)] (=7 (3xEA)(AyEB) 7 [(x2y)] => $(3x \in A)(Ay \in B)(x > y)$

$$-\left[(\forall x) (x \in \mathbb{R} \to x \in \mathbb{N}) \right]$$

$$(\exists x) (x \in \mathbb{R} \land x \notin \mathbb{N})$$

$$-\left[(\forall x) (\forall y) (x + y < 2 \to (x > 0 \lor y < 0)) \right]$$

$$(\exists x) (\exists y) (x + y < 2 \land (x < 0 \land y > 0))$$

$$C)$$

$$D = \text{conjunts dow dion whit.}$$

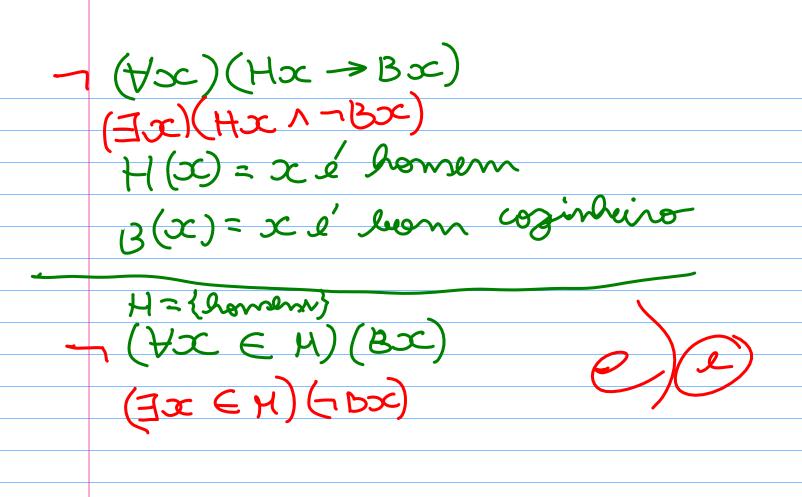
$$(\forall x \in D) (Jx)$$

$$J(x) = \text{Jones weigh come of trabelles modelies}$$

$$-\left[(\forall x \in \mathcal{D}) (Jx) \right]$$

$$(\exists x \in \mathcal{D}) (Jx)$$

$$(\exists x \in \mathcal{D}) (Jx)$$



```
a) (3x \in N)(x^3 = 27)
(000.00.1<\infty)(M \ni \inftyE)
c) FXEI
C) (Jx) (VPEN, MEN, XXX) V9=0)

CE Q ME JP EIN, JG EIN, X=P/4
                                     e q + 0
  PAR(x) = x & Por
PRIMO(x) = x & primo
    ((x)oming ((x))AR() (xE)
     (\forall x \in \mathbb{N})(x^3 \neq 27)
     (Ax \in IN)(x>0)
c) (AXEQ)(XER)
     (4x)(xeQ \rightarrow xeR)
d) (\forall x) (primo(x) \land x>2 \rightarrow \neg pAr(x))
```

AmA(x,y) = x ama yLOVE(x,y) = x low y

(HOC)(Jy) (LOVE(X,4))

(A2C) (rone(2c, rw))

A(x) = x e' alto B(x) = x e' bacco

 $(\forall x)(Ax \vee Bx)$

a)
$$(\exists 1 \times \epsilon A)(x+3=8) \vee A=\{3,3,9,5\}$$
b) $\neq p|x=2 \times +3 \neq 8$
c) $\neq p|x=2 \times +3 \neq 5$
d) \neq