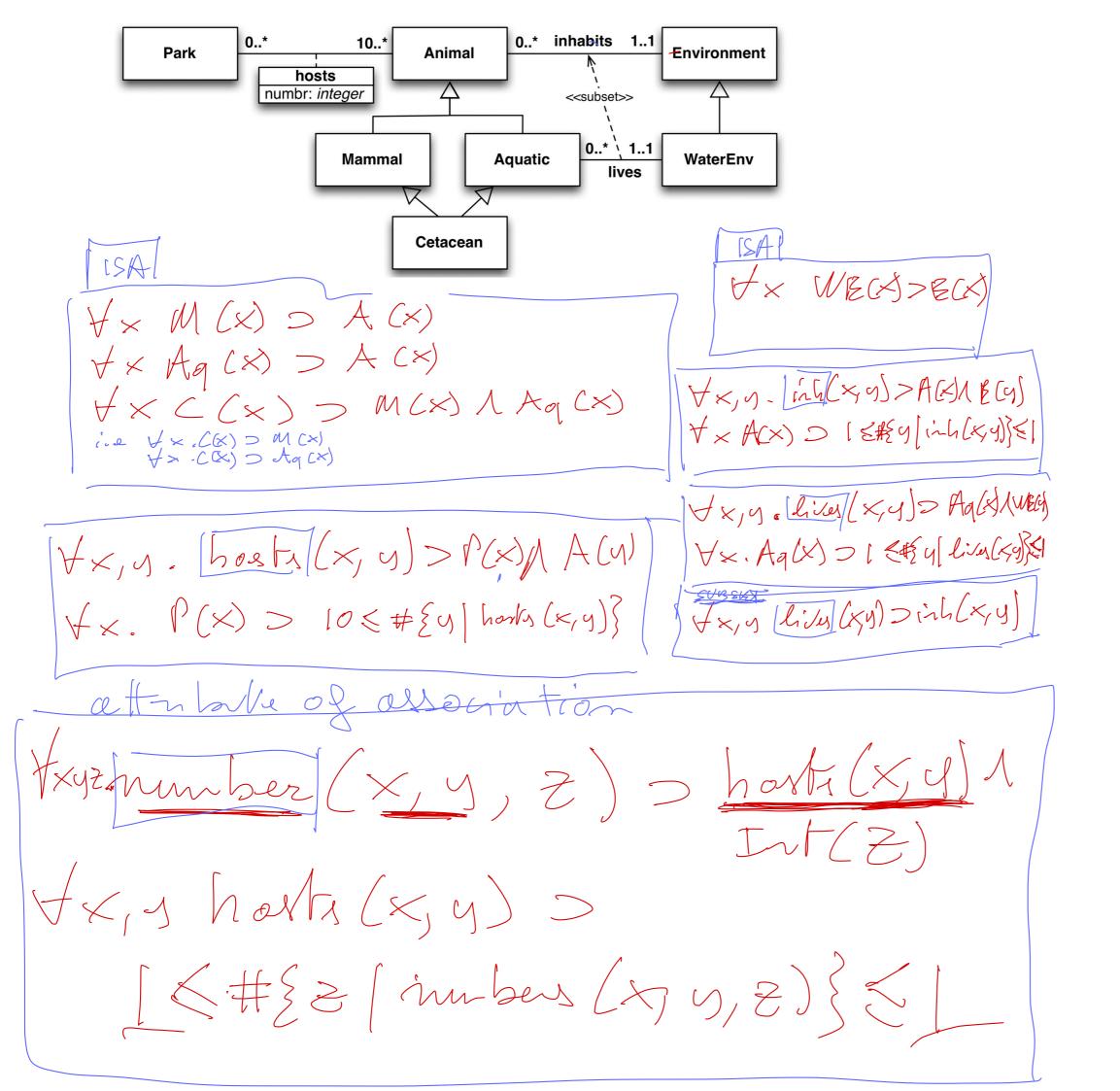
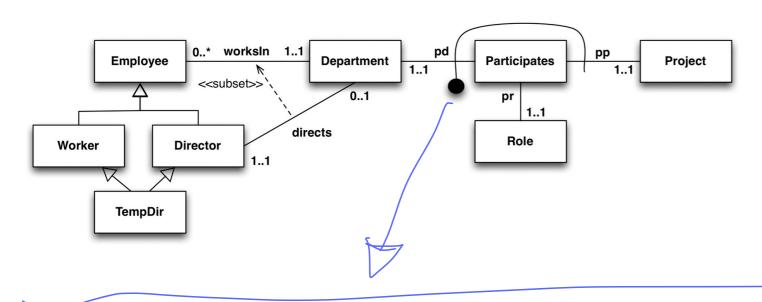


Hx.w(x) > B(x) Hx.ni(x) > B(x) Hx.Thin(x) > w(x) Hx.Thin(x) > w(x) Hx.Thin(x) > min(x)

E(x), D(x), P(x), R(x), partecipates Project W(x), Diz(x), TDiz(x) Workin (x,y), directs(x,y) Role participates (x, y, z) Vx, y, worthin(x,y) > E(x) 1 V(y) i.e.  $\forall x E(x) \supset (\exists y. worksin (x,y) \Lambda$ V×, y - Olirech Cx, y) > Dir (x) & D(q) Fx. Dir Cx) > HEy [ olivects (x, y) } < 1 YX. D(x) D[S # {y | directs (y, x)}<1 Subset (x,y, diricts (x,y) > worksin (x,y) Yx, y, Z. participale (x, y, Z) > Q(x)/ P(u) 1 R(Z)

Alphabet





 $\forall xy.pol(x,y) > P(x) \land D(y)$   $\forall x P(x) > 1 \leq \# \{y \mid pol(x,y)\} \leq 1$   $\forall x,y.pp(x,y) > P(x) \land P_2(y)$   $\forall x.P(x) > 1 \leq \# \{y \mid pp(x,y)\} \leq 1$   $\forall x.y.pl(x,y) > P(x) \land P(y)$   $\forall x.p(x) > 1 \leq \# \{y \mid pp(x,y)\} \leq 1$   $\forall x.p.pl(x,y) > P(x) \land P(y)$   $\forall x.p(x) > 1 \leq \# \{y \mid pl(x,y)\} \leq 1$ 

Not by by the state of the stat

HX.11, Z. rel(X, 9, 2) DAQ/ABG/K Tx,4,2,2 rel (x, 4, 2) 1 rel (x, 4, 2) Mez of a relation = 2