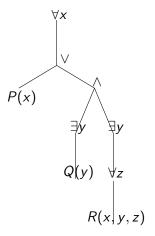
$$\forall x (P(x) \lor (\exists y \ Q(y) \land \exists y \ \forall z \ R(x,y,z)))$$

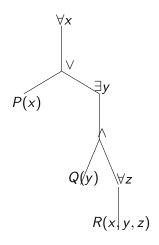
 $\forall x \left(P(x) \lor \exists y \left(Q(y) \land \exists t \ \forall z \ R(x,t,z) \right) \right)$

$\forall x (P(x) \lor (\exists y \ Q(y) \land \exists y \ \forall z \ R(x,y,z)))$



$$\forall x (P(x) \lor (\exists y \ Q(y) \land \exists y \ \forall z \ R(x,y,z)))$$

 $\forall x \left(P(x) \lor \exists y \left(Q(y) \land \exists t \ \forall z \ R(x,t,z) \right) \right)$



$$\forall x \left(P(x) \lor \exists y \left(Q(y) \land \exists t \ \forall z \ R(x,t,z) \right) \right)$$

$$\forall x (P(x) \lor (\exists y \ Q(y) \land \exists y \ \forall z \ R(x, y, z)))$$

$$\forall x$$

$$P(x)$$

$$Q(y) \forall z$$

$$R(x, y, z)$$

$$\forall x (P(x) \lor \exists y \ (Q(y) \land \exists t \ \forall z \ R(x, t, z)))$$