

Q:7 taller (John, Bill)

for every x , $\text{taller}(x, \text{Bill}) \Rightarrow \text{tall}(x)$
 $\neg(\text{taller}(x, \text{Bill})) \vee \text{tall}(x)$

① Symbols:

1) taller - john - bill

2) taller - bill - john

3) taller - john - john

4) taller - bill - bill

$\forall x$: so x = person

5) taller - person - bill

6) taller - bill - person

7) taller - person - person

8) tall - person

② taller (John, Bill)

$(\text{taller_john_bill}) \wedge \neg(\text{taller_bill_john})$

John is taller than Bill

If a person is taller than Bill then
person is tall.

(For every x , $\text{taller}(x, \text{Bill}) \Rightarrow \text{tall}(x)$)
 $\text{taller_person_bill} \rightarrow \text{tall_person}$