

one Child & Parent $\equiv \exists 1 \text{ child. Person}$

at least 3 Ch
at most 2 Ch $\equiv \exists \geq 3 \text{ child. T}$
 $\exists \leq 2 \dots$

$\downarrow \neg \text{query}(x)$



$\exists x: (\text{name}(x, \text{john}) \wedge (\exists y: (\text{name}(y, \text{Mary}) \wedge \text{married}(x, y)) \wedge (\exists x: \text{name}(x, \text{alice}) \wedge \text{child}(y, x))))$

Dez 5-10:05

DL: john isa Person

\sqcap

~~$\exists \text{ married. T}$~~

~~$\exists \text{ married. Person}$~~

$\exists \text{ married. } (\exists \geq 3 \text{ child. T}$

- : married is owl: Symmetric Property $\uparrow \forall \text{ child. Male}$
- : creator a owl: Transitive Property.
- : parent owl: inverseOf : child
- : parent owl: subPropertyOf : ancestor.

Dez 5-11:24