

$$c1 := \exists(v) \in (\{1, 2, 3\}) . (v) \in (\{2, 4, 6\}) \quad (1)$$

$$c2 := \forall(v) \in (\{1, 3\}) . ((v) \in (\{-5 .. 5\})) \wedge (((v) \bmod (2)) = (1)) \quad (2)$$

$$c3 := \exists(x) \in (\{1 .. 2\}) . \exists(y) \in (\{\exists(z) \in (\emptyset) . \text{true}\}) . ((x) < (1.5)) \wedge (y) \quad (3)$$

$$c4 := \forall(x) \in (\emptyset) . ((x) > (0)) \vee (\exists(y) \in (\{x .. (x) + (3)\}) . (y) < (0)) \quad (4)$$

test:

```
cmd:>pp(c1)
"true"
cmd:>pp(c2)
"true"
cmd:>pp(c3)
"false"
cmd:>pp(c4)
"true"
```