

*subjects*

*observers*

## SUBJECT+

**feature** -- { NONE }

observers: LIST[OBSERVER]

**feature** -- { OBSERVER }

**notify** +

-- Notify an update to observers

**ensure**

$\forall o : \text{observers} : o.\text{update\_to\_date\_with\_subject}$

## WEATHER\_DATA+

*temperature*: REAL

*humidity*: REAL

*pressure*: REAL

*correct\_limits* (t, p, h): BOOLEAN

-- Are current data within legal limits?

**invariant**

*correct\_limits* (temperature, humidity, pressure)

## OBSERVER\*

**feature** -- { SUBJECT }

**update** \*

-- React to a update.

**feature** -- { SUBJECT }

*up\_to\_date\_with\_subject*: BOOLEAN \*

-- Is current observer up to date with  
-- the latest state of the subject?

*attach, detach*

+  
FORECAST

+  
CURRENT\_CONDITION

+  
STATISTICS

*wd*