









LectureNote2, Sinaia School, 03-10/03/2008

































identity) relation on the set A_s.

This is formulated as follows.

For any specification **SPEC** = $\langle \Sigma, E \rangle$, any **SPEC**algebra A is postulated to satisfy: A |= ($t_1 = t_2$) iff A |e= ($t_1 = t_2$) for any pair of terms t_1 and t_2 . That is, we only consider the model which satisfies this condition.

LectureNote2, Sinaia School, 03-10/03/2008

21





















```
Parameterized lexicographic ordering (1)
                                                 stringOfStringOf.mod
--> a loose specification of totally ordered elements
mod* TOSET
{ us(EQL)
 [ Elt ]
  pred _<_ : Elt Elt -- strict total ordering</pre>
  vars E1 E2 E3 : Elt
  eq E1 < E1 = false .
  eq ( ((E1 < E2) or (E2 < E1) or (E1 = E2))
        and
       not((E1 < E2) and (E2 < E1))
       and
       not((E2 < E1) and (E1 = E2))
        and
       not((E1 < E2) and (E1 = E2)) ) = true .
  eq (((E1 < E2) and (E2 < E3)) implies (E1 < E3)) = true .
}
                                                              32
                  LectureNote2, Sinaia School, 03-10/03/2008
```



