Lists in Prolog



Figure 3.1 Tree representation of the list [ann, tennis, tom, skiing]

'.'(ann, '.'(tennis, '.'(tom, '.'(skiing, []))))





Figure 3.4 The member and sublist relations.



Figure 3.5 One way of constructing a permutation of the list [X | L].

The is operator

Forces evaluation.

Similar to the assignment statement.

The left argument is a simple object.

- + addition
- subtraction
- * multiplication
- / division
- ** power
- // integer division
- mod modulo, the remainder of integer division

- X > Y X is greater than Y
- X < Y X is less than Y
- X >= Y X is greater than or equal to Y
- X =< Y X is less than or equal to Y
- X =:= Y the values of X and Y are equal
- X = Y the values of X and Y are not equal