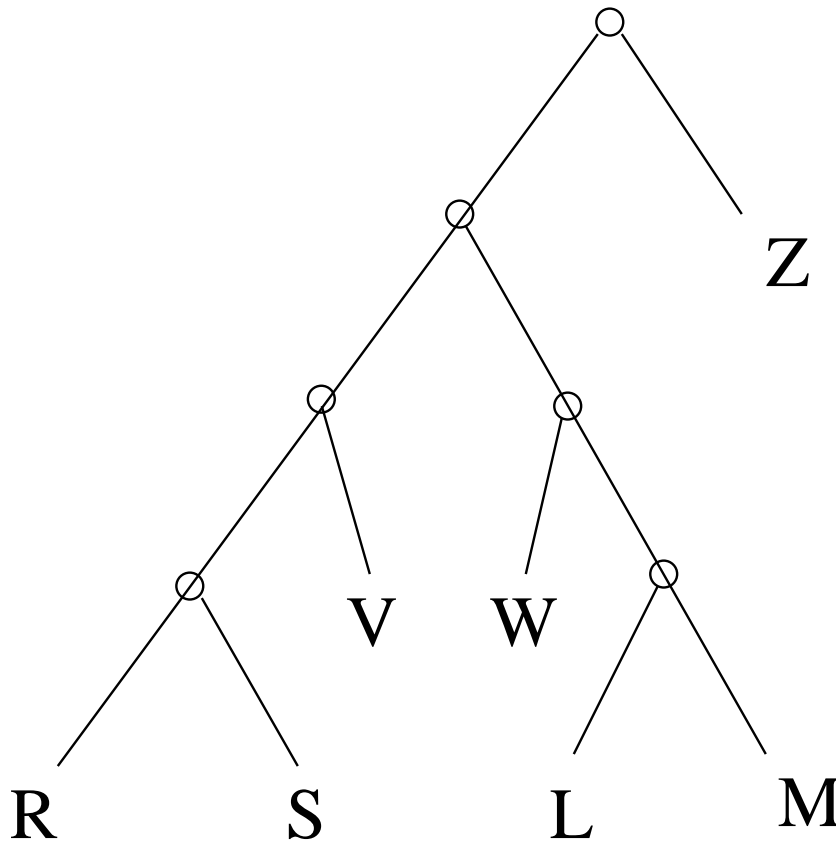


Pairs (and eventually lists) in SCHEME

Objects built and manipulated by "car", "cdr", and "cons" are represented internally as binary trees:

$(((((R . S) . V) . (W . (L . M))) . Z))$



so $(\text{car } '(((R . S) . V) . (W . (L . M))) . Z)) =$
 $((((R . S) . V) . (W . (L . M))))$

and $(\text{cdr } '(((R . S) . V) . (W . (L . M))) . Z)) = Z$