

The Animal Program (Logo II)

Page # Procedures  
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167 TO MAKE.NODE :QUESTION :YES.BRANCH :NO.BRANCH *  
    OUTPUT FPUT :QUESTION (LIST :YES.BRANCH :NO.BRANCH) *  
    END  
  
169 TO REPLACE :TREE :NODE :REPLACEMENT *  
    IF :TREE = :NODE OUTPUT :REPLACEMENT *  
    IF WORD? :TREE OUTPUT :TREE *  
    OUTPUT (MAKE.NODE QUESTION :TREE REPLACE (YES.BRANCH :TREE) :NODE :  
    REPLACE REPLACE (NO.BRANCH :TREE) :NODE :REPLACEMENT) *  
    END  
  
151 TO LIST :A :B *  
    OUTPUT FPUT :A (FPUT :B [ ]) *  
    END  
  
169 TO EXTEND.KNOWLEDGE :NEW.QUESTION :YES.ANSWER :NO.ANSWER *  
    MAKE "KNOWLEDGE REPLACE :KNOWLEDGE :NO.ANSWER (MAKE.NODE :NEW.QUESTION  
    :YES.ANSWER :NO.ANSWER) *  
    END  
  
143 TO MEMBER? :WORD :LIST *  
    IF :LIST = [ ] OUTPUT FALSE *  
    IF :WORD = (FIRST :LIST) OUTPUT TRUE *  
    OUTPUT MEMBER? :WORD (BUTFIRST :LIST) *  
    END  
  
166 TO NO.BRANCH :NODE *  
    OUTPUT LAST :NODE *  
    END  
  
166 TO YES.BRANCH :NODE *  
    OUTPUT FIRST (BUTFIRST :NODE) *  
    END  
  
166 TO QUESTION :NODE *  
    OUTPUT FIRST :NODE *  
    END  
  
168 TO GET.SMARTER :WRONG.ANSWER *  
    PRINT [OH WELL, I WAS WRONG. ] *  
    PRINT [WHAT WAS IT? ] *  
    MAKE "RIGHT.ANSWER (LAST READLINE) *  
    PRINT [PLEASE TYPE IN A QUESTION ] *  
    PRINT [WHOSE ANSWER ] *  
    PRINT (SE [IS YES FOR ] (ADD.A.OR.AN :RIGHT.ANSWER) [AND ] ) *  
    PRINT (SE [NO FOR ] (ADD.A.OR.AN :WRONG.ANSWER)) *  
    MAKE "QUESTION READLINE *  
    EXTEND.KNOWLEDGE :QUESTION :RIGHT.ANSWER :WRONG.ANSWER *  
    END
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