DILALRDefs: DEFINITIONS = PRIVATE
BEGIN -- data structures used by the Debugger Interpreter parser
Symbol: TYPE = [0..377B];
State: TYPE = CARDINAL;
Asst1Entry: TYPE = MACHINE DEPENDENT RECORD [
  tlen: [0..377B], -- number of terminal entries
  assocsym: Symbol]; -- associated symbol
ActionTag: TYPE = MACHINE DEPENDENT RECORD [
  reduce: BOOLEAN, -- TRUE iff reduce entry
  plength: [0..17B]]: -- number of symbols in production rhs
ActionEntry: TYPE = MACHINE DEPENDENT RECORD [
  rtag: ActionTag, -- [FALSE,0] if a shift entry
  transition: [0..3777B]]: -- production number / next state
ProductionInfo: TYPE = MACHINE DEPENDENT RECORD [
  rule: [0..377B], -- reduction rule
  lhs: Symbol]; -- production lhs symbol
VocabHashEntry: TYPE = MACHINE DEPENDENT RECORD [
  symptr: [0..377B], -- symbol index
  link: [0..377B]]; -- link to next entry
SymbolRecord: TYPE = RECORD [
  class: Symbol, -- the token class
  value: UNSPECIFIED,
  index: CARDINAL]; -- source line index
-- token indices for the scanner
tokenID: Symbol = 1;
tokenNUM: Symbol = 2;
tokenLNUM: Symbol = 3;
tokenSTR: Symbol = 4;
tokenCHAR: Symbol = 5;
tokenDOT: Symbol = 15;
tokenDOTS: Symbol = 8;
-- output of the table generator
hashval: CARDINAL = 55;
endmarker: Symbol = 36;
lastntstate: State = 23;
LALRTableHandle: PUBLIC TYPE = POINTER TO LALRTable;
LALRTable: PUBLIC TYPE = PRIVATE MACHINE DEPENDENT RECORD [
  scantable: RECORD[
    hashtab: ARRAY [0..55] OF VocabHashEntry,
    scantab: ARRAY CHARACTER [40C..177C] OF Symbol,
    vocabbody: RECORD [ -- a string body
      length, maxlength: CARDINAL,
      text: ARRAY [0..59] OF UNSPECIFIED],
    vocabindex: ARRAY [0..36] OF CARDINAL],
  parsetable: RECORD[
    proddata: ARRAY [0..61] OF ProductionInfo,
    nstate: ARRAY [0..23] OF CARDINAL,
    nlen: ARRAY [0..23] OF CARDINAL,
    nsym: ARRAY [0..23] OF Symbol,
    nact: ARRAY [0..23] OF ActionEntry,
    ndefaults: ARRAY [0..20] OF ActionEntry,
    asstl: ARRAY [0..54] OF Asst1Entry,
    tstate: ARRAY [0..54] OF CARDINAL,
    tsym: ARRAY [0..148] Of Symbol,
    tact: ARRAY [0..148] OF ActionEntry]];
END.