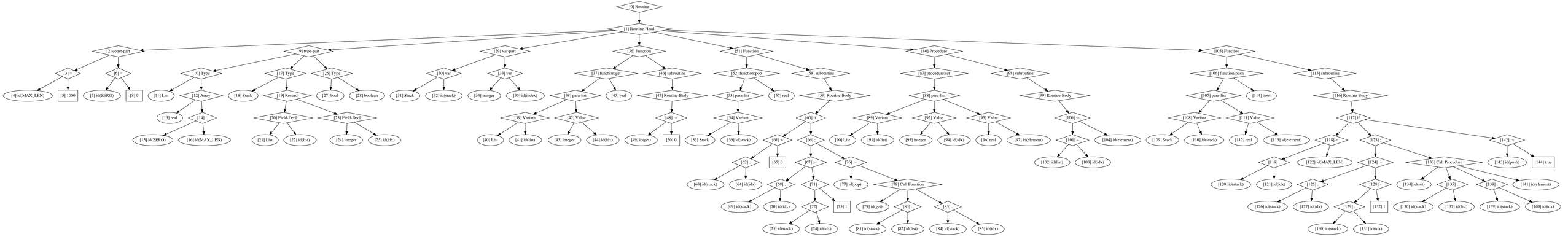
[0] Routine
[1] Routine-Head
[2] const-part
[3] =
[4] id(MAX_LEN)
[5] 1000
[6] =
[7] id(ZERO)
[8] 0
[9] type-part
[10] Type
[11] List
[12] Array
[13] real
[14] ,
[15] id(ZERO)
[16] id(MAX_LEN)
[17] Type
[18] Stack
[19] Record
[20] Field-Decl
[21] List
[22] id(list)
[23] Field-Decl
[24] integer
[25] id(idx)
[26] Type
[27] bool
[28] boolean
[29] var-part
[30] var
[31] Stack
[32] id(stack)
[33] var
[34] integer
[35] id(index)
[36] Function
[37] function:get
[38] para-list
[39] Variant
[40] List
[41] id(list)
[42] Value
[43] integer
[44] id(idx)
[45] real
[46] subroutine
[47] Routine-Body
[48] :=
[49] id(get)
[50] 0
[51] Function
[52] function:pop
[53] para-list
[54] Variant
[55] Stack
[56] id(stack)
[57] real
[58] subroutine
[59] Routine-Body
[60] if
[61] >
[62] ,
[63] id(stack)
[64] id(idx)
[65] 0
[66] ;
[67] :=
[68] ,
[69] id(stack)
[70] id(idx)
[71] ,
[72] ,
[73] id(stack)
[74] id(idx)
[75] 1
[76] :=
[77] id(pop)
[78] Call Function
[79] id(get)
[80] ,
[81] id(stack)
[82] id(list)
[83] ,
[84] id(stack)
[85] id(idx)
[86] Procedure
[87] procedure:set
[88] para-list
[89] Variant
[90] List
[91] id(list)
[92] Value
[93] integer
[94] id(idx)
[95] Value
[96] real
[97] id(element)
[98] subroutine
[99] Routine-Body
[100] :=
[101] ,
[102] id(list)
[103] id(idx)
[104] id(element)
[105] Function
[106] function:push
[107] para-list
[108] Variant
[109] Stack
[110] id(stack)
[111] Value
[112] real
[113] id(element)
[114] bool
[115] subroutine
[116] Routine-Body
[117] if
[118] <
[119]
[120] id(stack)
[121] id(idx)
[122] id(MAX_LEN)
[123] ;
[124] :=
[125] ,
[126] id(stack)
[127] id(idx)
[128] ,
[129]
[130] id(stack)
[131] id(idx)
[132] 1
[133] Call Procedure
[134] id(set)
[135] ,
[136] id(stack)
[137] id(list)
[138] ,
[139] id(stack)
[140] id(idx)
[141] id(element)
[142] :=
[143] id(push)
[144] true