

1.6 Accessing Fields in Records

The compiler must keep track of both the types and relative addresses of the fields of a record. An advantage of keeping this information in symbol-table entries for the field names is that the routine for looking up names in the symbol tables can also be used for field names.

Note that in all of this, words may have been stated about operations based on type. However, indirect memory access was not one of them.

It should be noted that procedural and logic programming have two separate concepts of the boolean or logic expressions in programming. In procedural, the concept of logic is for controlling the flow of the program. Although a procedural program can evaluate a set of boolean expressions to either true or false, and hence be used to evaluate a complex expression, it is not the same as an answer set or other resolution type concepts.

This section examines the procedural component of logic evaluations. Another section in the context of logic oriented semantics handles answer set semantics and reviews existing papers on the subject.