```
/*   Time-stamp: <mfcalc.h (1997/08/20, 0:14:46) by alair at ime.
usp.br)>   */
/*
The 'mfcalc' Symbol Table
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   The multi-function calculator requires a symbol table to
keep track of the names and meanings of variables and
functions.  This doesn't affect the grammar rules (except
for the actions) or the Bison declarations, but it requires
some additional C functions for support.

   The symbol table itself consists of a linked list of
records.  Its definition, which is kept in the header
'calc.h', is as follows.  It provides for either functions
or variables to be placed in the table.  */
/* Data type for links in the chain of symbols.      */

struct symrec
{
  char *name;  /* name of symbol                      */
  int type;    /* type of symbol: either VAR or FNCT */
  union {
    double var;           /* value of a VAR          */
    double (*fnctptr)();  /* value of a FNCT         */
  } value;
  struct symrec *next;    /* link field              */
};

typedef struct symrec symrec;

/* The symbol table: a chain of 'struct symrec'.     */
extern symrec *sym_table;

symrec *putsym ();
symrec *getsym ();
```