```
\begin{verbatim}
MANIFEST {
  Num=1; Id=2; Add=3; Sub=4; Mul=5; Div=7
}
LET mknum(k) = VALOF
{ LET p = getvec(1)
  p!0, p!1 := Num, k
  RESULTIS p
}
LET mkdiv(x, y) = VALOF
{ LET p = getvec(2)
  p!0, p!1, p!2 := Div, x, y
  RESULTIS p
}
In C:
enum Ops {NUM, POS, NEG, ADD, SUB, MUL, DIV}
typedef struct Num Num;
typedef struct Monad Monad;
typedef struct Dyad Dyad;
typedef union Expr {
  Num *N;
  Monad *M;
  Dyad *D;
} Expr;
struct Num {
  int op;
  int val;
}
struct Monad {
  int op;
  Expr rand;
struct Dyad {
  int op;
 Expr left;
  Expr right;
Expr mknum(int n) {
 Expr res;
  Num *e = (num *) malloc(sizeof(Num));
  e->op = NUM;
  e->val = n;
 res.N = e;
```

Selection is by pattern matching.