syntax.ml

Compare the content of this with Fig. 1 of mincaml-overview.pdf

1 type t = (* MinCamlの構文を表現するデータ型 (caml2html: syntax_t) *)

Type declaration for the data structure
that represents the MinCaml syntactic structure

2 | Unit

3 | Bool of bool

4 | Int of int

5 | Float of float

6 | Not of t

7 | Neg of t

8 | Add of t * t

9 | Sub of t * t

10 | FNeg of t

11 | FAdd of t * t

12 | FSub of t * t

13 | FMul of t * t

14 | FDiv of t * t

15 | Eq of t * t

16 | LE of t * t

17 | If of t * t * t

18 | Let of (Id.t * Type.t) * t * t

19 | Var of Id.t

20 | LetRec of fundef * t

21 | App of t * t list

22 | Tuple of t list

23 | LetTuple of (Id.t * Type.t) list * t * t

24 | Array of t * t

25 | Get of t * t

26 | Put of t * t * t

27 and fundef = { name : Id.t * Type.t; args : (Id.t * Type.t) list; body : t }