## nominal lisp

```
data Term where
   V:\mathbb{A}\to \mathrm{Term}
   L: \mathrm{List}(\mathrm{Term}) \to \mathrm{Term}
   B:\langle\mathbb{A}\rangle\ \mathrm{Term}\to\mathrm{Term}
Fundamental data types in the language:
• Symbol (♠)
• Pair
• Atom
• Binder
                           := lookup(env, s)
eval(env, symbol(s))
eval(env, pair(f, args)) :=
  let f_result = eval(env, f) in
  apply_or_special_form(f_result, args)
eval(env, atom(a)) := atom(a)
eval(env, binder(v, e)) := for v' # env,
                                 binder(v', eval([v'/v]e))
```