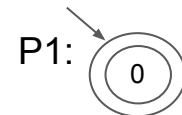


*Abstraction*

1. `list* x = new {.next=NULL, .data=#};`
2. `while (nondet())`
3. `y = x; x = new {.next=y, .data=?};`
4. `while (x->data != #)`
5. `x = x->next; assert(x != NULL);`

**Predicates**



**Intersection**

$$L(P1) \cap L(s) = \emptyset$$

$$L(P1) \cap L(q) = \emptyset$$

$$L(P1) \cap L(r) = \{\epsilon\}$$