

STEP

structure des données

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```
import entity from "ri.newgen"  
import expression from "ri.newgen"  
import effect from "effects.newgen"  
import statement from "ri.newgen"  
  
map_entity_int = entity->int  
  
step_clause = reduction:map_entity_int + private:entity* +  
shared:entity* + transformation:int + nowait:unit  
  
step_directive = type : int x persistent block : statement x  
clauses : step_clause*  
  
step_directives = persistent statement->step_directive  
  
map_effect_bool = persistent effect -> bool  
  
The propagation origins of the SEND (and RECV) region is tracked by the  
step_point and map_step_point domains. For a SEND (or RECV) region, the  
step_point associated in the map_step_point table gives the original SEND (or  
RECV) region before propagation (fields module, stmt and data).  
  
step_point = module : entity x persistent stmt : statement x  
persistent data : effect  
  
map_step_point = persistent effect -> step_point  
  
step_comm = path: map_step_point x interlaced:  
map_effect_bool x partial: map_effect_bool
```