```
coffee errors.pddl @
(define COFFEE
  (:types room - location
           robot human agent
           furniture door - (at ?1 - location)
           kettle ?coffee cup water - movable
           location agent movable - object)
  (:predicates (at ?l - location ??o - object)
                (have ?m - movable ?a - agent)
                (hot ?m - movable) = true
                (on ?f - furniture ?m - movable))
  (:action boil
     :parameters (?m - movable $k - kettle ?a - agent)
     :preconditions (have ?m ?a)
     :effect (hot ?m))
```