



(controller

gcd-loop

(assign a (op read))

(assign b (op read))

test-b

(test

(op =) (reg b) (const 0))

(branch (label gcd-done))

(assign

t (op rem) (reg a) (reg b))

(assign a (reg b))

(assign b (reg t))

(goto (label test-b))

gcd-done

(perform (op print)

(reg a))

(goto (label gcd-loop)))