



(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)))