



```

"gcd_1",
  test(list(op("="),
    reg("b"),
    constant(0))),
    branch(label("after_gcd_1")),
    assign("t", list(op("rem"),
      reg("a"),
      reg("b"))),
    assign("a", reg("b")),
    assign("b", reg("t")),
    go_to(label("gcd_1")),
    "after_gcd_1",
    :
"gcd_2",
  test(list(op("="),
    reg("d"),
    constant(0))),
    branch(label("after_gcd_2")),
    assign("s", list(op("rem"),
      reg("c"),
      reg("d"))),
    assign("c", reg("d")),
    assign("d", reg("s")),
    go_to(label("gcd_2")),
    "after_gcd_2"
  
```