



```

"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"

```