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                                test10
0:   call   t0 <- Input
1:   assign a <- t0
2:   call   t1 <- Input
3:   assign b <- t1
4:   param  1 <- b
5:   param  0 <- a
6:   call   t2 <- gcd_iter
7:   param  0 <- t2
8:   call   Output
9:   param  1 <- b
10:  param  0 <- a
11:  call   t3 <- gcd_mod
12:  param  0 <- t3
13:  call   Output
14:  param  1 <- b
15:  param  0 <- a
16:  call   t4 <- gcd_rec
17:  param  0 <- t4
18:  call   Output

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                                gcd_iter
0: 1_while_cond:
1:   if     a # b goto 2_while_body
2:   goto   0
3: 2_while_body:
4:   if     a > b goto 4_if_true
5:   goto   5_if_false
6: 4_if_true:
7:   sub     t0 <- a, b
8:   assign  a <- t0
9:   goto    3
10: 5_if_false:
11:  sub     t1 <- b, a
12:  assign  b <- t1
13: 3:
14:  goto    1_while_cond
15: 0:
16:  return  a

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```

                                gcd_mod
0: 1_while_cond:
1:   if     b # 0 goto 2_while_body
2:   goto   0
3: 2_while_body:
4:   assign  t <- b
5:   div     t0 <- a, t
6:   mul     t1 <- t0, t
7:   sub     t2 <- a, t1
8:   assign  b <- t2
9:   assign  a <- t
10:  goto    1_while_cond
11: 0:
12:  return  a

```

```

                                gcd_rec
0:   if     b = 0 goto 1_if_true
1:   goto   2_if_false
2: 1_if_true:
3:   return  a
4:   goto   0
5: 2_if_false:
6:   div     t0 <- a, b
7:   mul     t1 <- t0, b
8:   sub     t2 <- a, t1
9:   param   1 <- t2
10:  param   0 <- b
11:  call    t3 <- gcd_rec
12:  return  t3
13: 0:

```