fib_iter(n : int) : int

```
a := Assign 0
b := Assign 1
Goto .BB1                    BB0
```

```
t2 := LessEqual 0, n
IfGoto t2, .BB2, .BB3        BB1
```

```
tmp := Assign a
a := Add a, b
b := Assign tmp
n := Sub n, 1
Goto .BB1                    BB2
```

```
Return a                     BB3
```

```
parameters = [n]
variables = [a, b, t2, tmp]
basic_blocks = {BB0, BB1, BB2, BB3}
entry_block = BB0
```