```
enter:

B0:
NEQ,n,@1,Lab0

B1:
RET,@2,,

Lab0:
LAB,,,Lab0
NEQ,n,@4,Lab3

B2:
RET,@5,,

Lab3:
LAB,,,Lab3
SUB,n,@6,@7
PARA,Fibonacci,0,@7
CALL,Fibonacci,,
SW,$v0,,@8
SUB,n,@9,@10
PARA,Fibonacci,0,@10
CALL,Fibonacci,,
SW,$v0,,@11
ADD,@8,@11,@12
RET,@12,,
RET,,,

exit:
```

Fibonacci