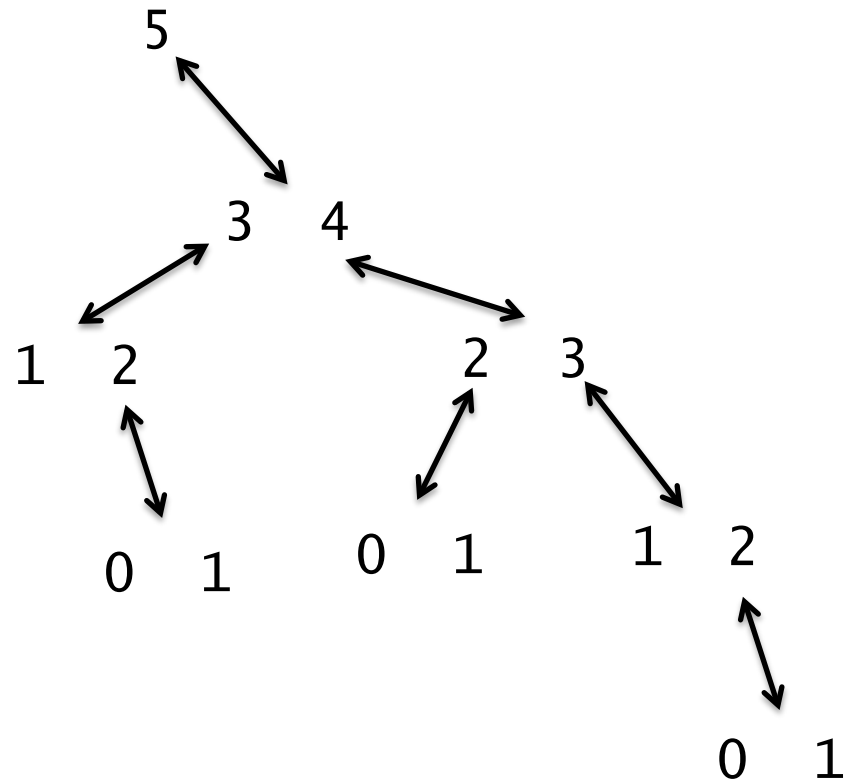


Fibonacci(5)



```

0 LOOP: LODD PassCnt:
1      JZER DONE:
2      SUBD c1:
3      STOD PassCnt:
4      LODD daddr:
5      PSHI
6      ADDD c1:
7      STOD daddr:
8      CALL FIB:
9      INSP 1
10     PUSH
11     LODD faddr:
12     POPI
13     ADDD c1:
14     STOD faddr:
15     JUMP LOOP:

```

-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
9 RET ADR
3 → arg f(3)
-1

← SP

101	AC
-----	----

```

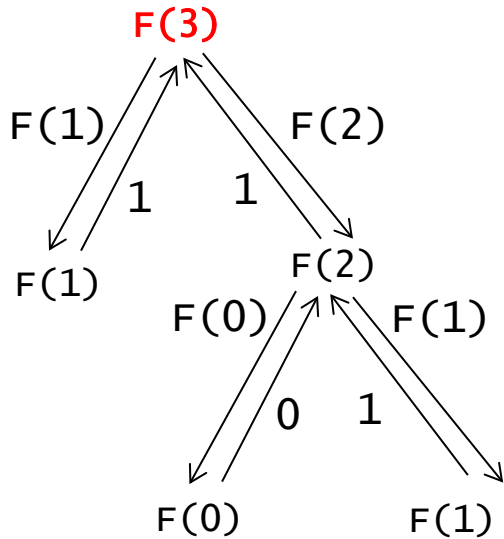
16 FIB: LODL 1
17      JZER FIBZER:
18      SUBD c1:
19      JZER FIBONE:
20      PUSH
21      CALL FIB:
22      PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN

```

```

.LOC 100
100 d0: 3
101     9
102    18
103    23
104    25
105 f0: 0
; 5 locations of 0
110 daddr: d0: 100 → 101
111 faddr: f0:
112 c0: 0
113 c1: 1
114 PassCnt: 5 → 4

```



```

.LOC 100
100 d0: 3
101     9
102    18
103    23
104    25
105 f0: 0
; 5 locations of 0
110 daddr: d0: 100 → 101
111 faddr: f0:
112 c0: 0
113 c1: 1
114 PassCnt: 5 → 4
  
```

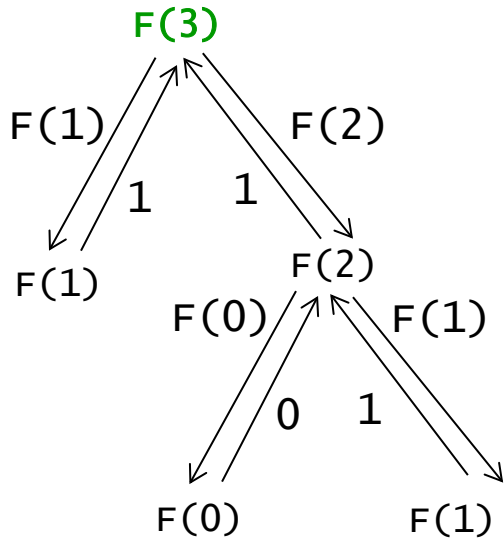
-1
-1
-1
-1
-1
-1
-1
-1
-1
9
3
-1

← SP

3	AC
---	----

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



-1
-1
-1
-1
-1
-1
-1
-1
-1
-1
9
3
-1

← SP

3 - c1 → 2

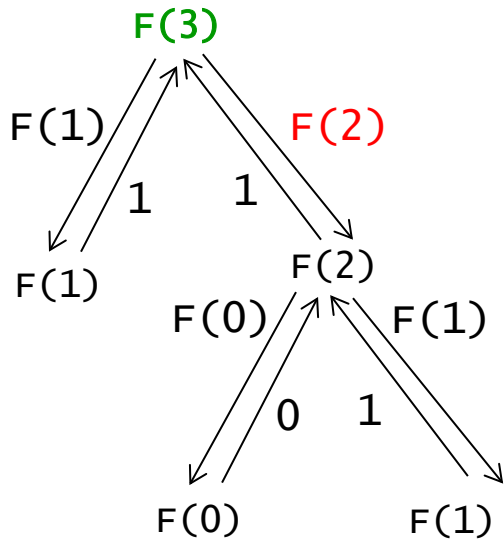
AC

```

.LOC 100
100 d0: 3
101    9
102   18
103   23
104   25
105 f0: 0
; 5 locations of 0
110 daddr: d0: 100 → 101
111 faddr: f0:
112 c0: 0
113 c1: 1
114 PassCnt: 5 → 4
  
```

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
        RETN
FIBONE: LODD c1:
        RETN
  
```



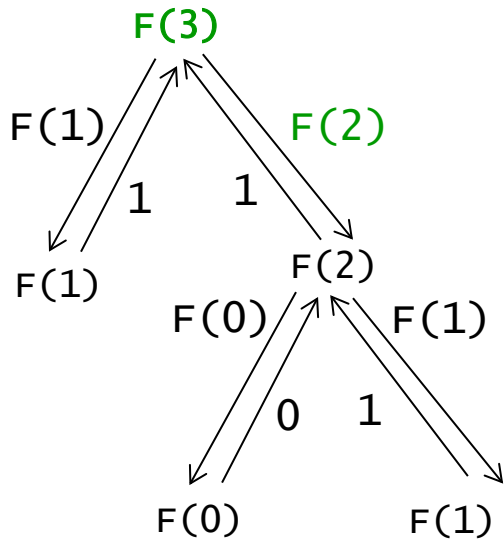
-1
-1
-1
-1
-1
-1
-1
-1
22 RET ADR
2 → arg f(2)
9
3
-1

← SP

2 → (n-1), f(3) AC

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



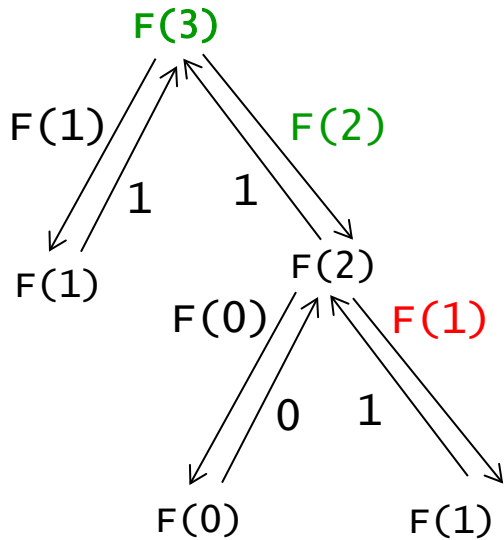
-1
-1
-1
-1
-1
-1
-1
-1
22
2
9
3
-1

← SP

2	AC
---	----

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



-1
-1
-1
-1
-1
-1
22 RET ADR
1 → arg f(1)
22
2
9
3
-1

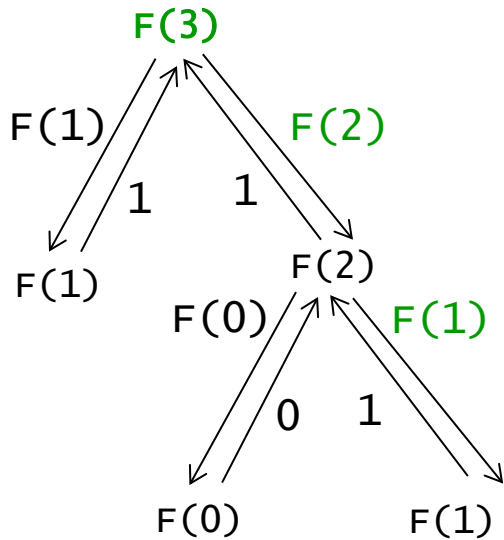
← SP

1 → (n-1), f(2)

AC

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



-1
-1
-1
-1
-1
-1
22
1
22
2
9
3
-1

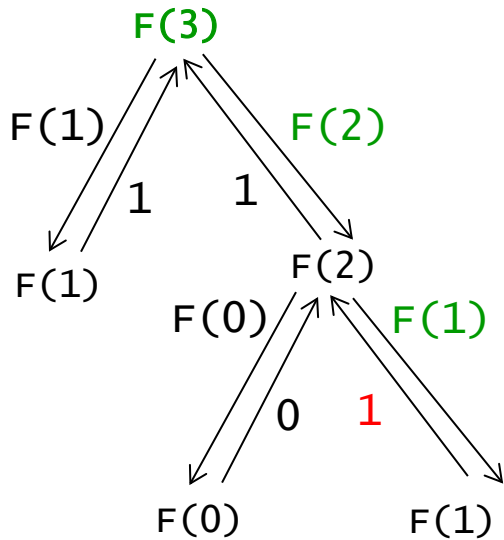
← SP

0 → get f(1)

AC

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```

-1
-1
-1
-1
-1
-1
22
1
22
2
9
3
-1

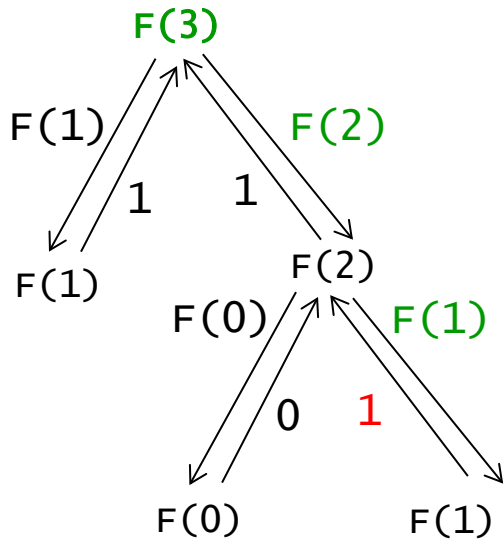
← SP

1 = f(1)

 AC

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



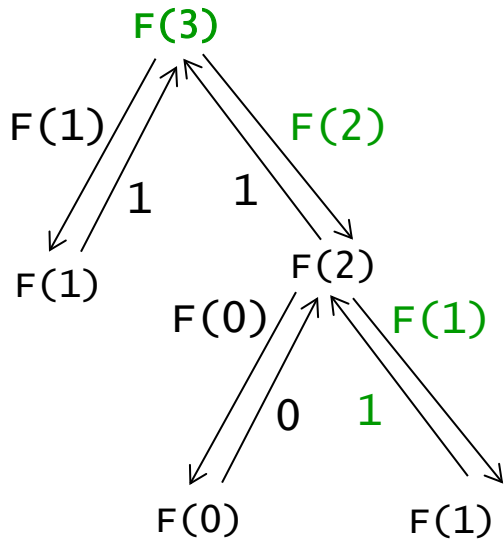
-1
-1
-1
-1
-1
-1
22
1
22
2
9
3
-1

← SP

1→f(n-1) [2] f(1) AC

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



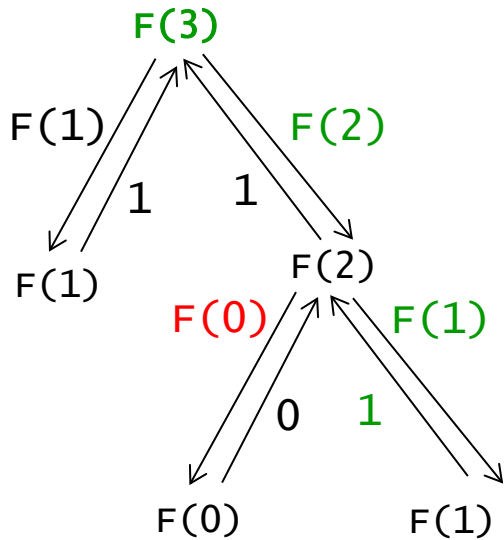
-1
-1
-1
-1
-1
-1
1→f(n-1) [2] f(1)
1
22
2
9
3
-1

← SP

1	AC
---	----

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
    .
    .
    .
    RETN
FIBZER: LODD c0:
    RETN
FIBONE: LODD c1:
    RETN
  
```



-1
-1
-1
-1
-1
0 → arg f(0)
1 → f(n-1) [2] f(1)
1
22
2
9
3
-1

← SP

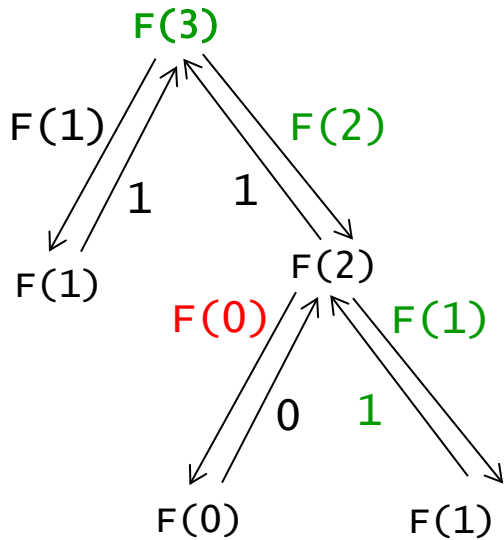
0 → (n-2) [2] f(0) AC

```

16 FIB: LODL 1
17     JZER FIBZER:
18     SUBD c1:
19     JZER FIBONE:
20     PUSH
21     CALL FIB:
22     PUSH
23     LODL 1
24     SUBD c1:
25     PUSH
26     CALL FIB:
  
```

```

.
.
.
.
FIBZER: LODD c0:
        RETN
FIBONE: LODD c1:
        RETN
  
```



-1
-1
-1
-1
27 RET ADR
0
1→f(n-1) [2] f(1)
1
22
2
9
3
-1

← SP

0	AC
---	----

```

16 FIB: LODL 1
17      JZER FIBZER:
18      SUBD c1:
19      JZER FIBONE:
20      PUSH
21      CALL FIB:
22      PUSH
23      LODL 1
24      SUBD c1:
25      PUSH
26      CALL FIB:

```

.
.

.

.

```

FIBZER: LODD c0:
        RETN
FIBONE: LODD c1:
        RETN

```