

```

1  int main() {
2      int x, b1, b2, y;
3      scanf("%d", &x);
4      b1 = even(x);
5      b2 = odd(3);
6      y = compute(x);
7      return 0;
8  }

9
10 int compute(int x) {
11     int sum, i;
12     if (x == 2)
13         scanf("%d", &sum);
14     else
15         sum = 0;
16     for(i = 0; i < x; ++ i)
17         sum += i;
18     return sum;
19 }

20
21 int odd(int x) {
22     if (x == 1)
23         return 0;
24     else
25         return even(x - 1);
26 }

27
28 int even(int x) {
29     if (x == 0)
30         return 1;
31     else
32         return odd(x - 1);
33 }

```

Intraprocedural Analysis

- + **Line 3: x** initially tainted
- + **Line 13: sum** initially tainted
- + **Line 18: return value sum** is tainted
 - compute() updates summary table

Context-Sensitive Analysis

- + **Line 3: first parameter of even (x)** is tainted
- + **Line 6: first parameter of compute (x)** is tainted

Context-Insensitive Analysis

- + **Line 6: y** is tainted (from summary table)
- Intraprocedural analysis would not find this**

: Initial taint information

: Existing taint information