Statements Executed

printRow(4)
├─ printf("*")
│
1
├─ printRow(3)
│   ├─ printf("*")
│   │
│   **2**
│   ├─ printRow(2)
│   │   ├─ printf("*")
│   │   │
│   │   **3**
│   │   └─ printRow(1)
│   │   └─ printf("*\n")

Main memory

main

printRow(4)

1 → ← **6**

printRow(3)

2 → ← **5**

printRow(2)

3 → ← **4**

printRow(1)
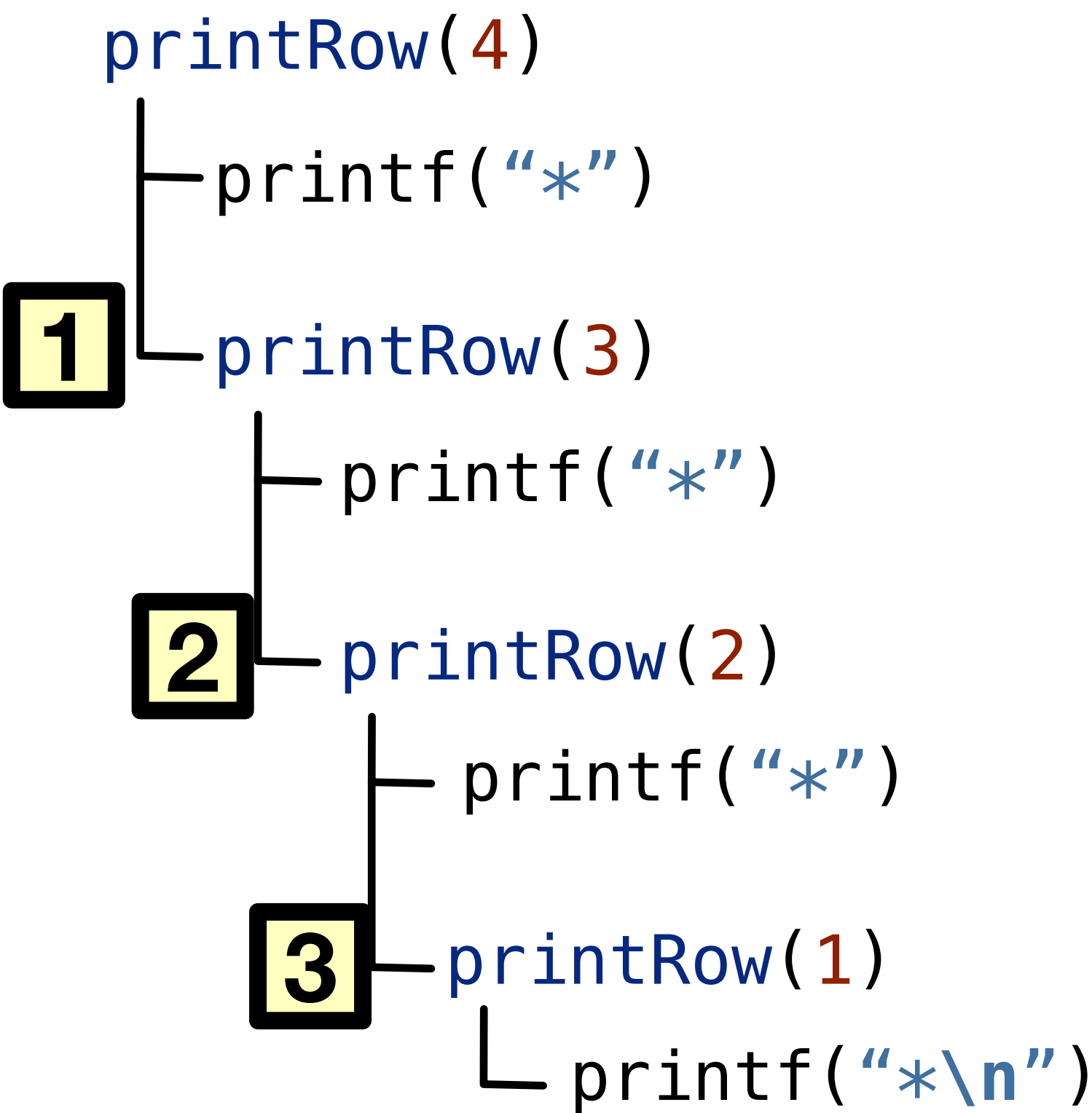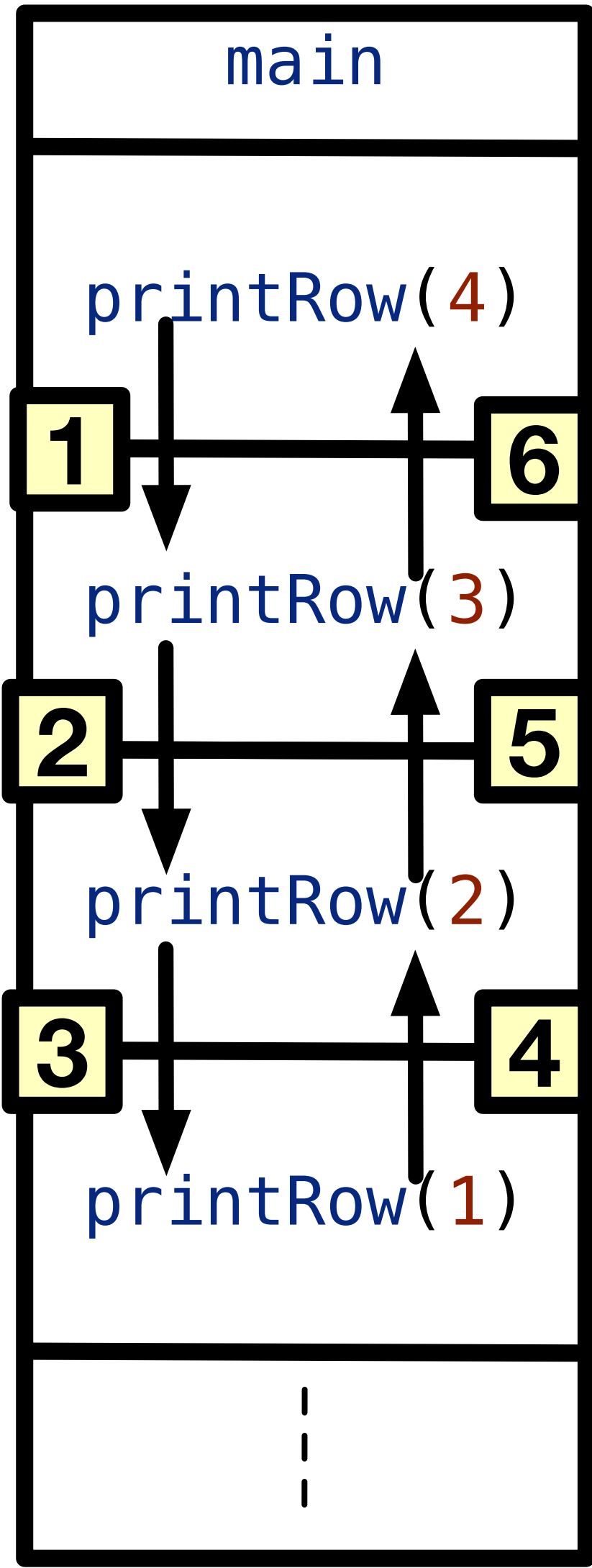
⋮

Code

```
1 #include <stdio.h>
2
3 int main(void) {
4   printRow(4);
5   return 0;
6 }
7
8 void printRow(int n) {
9   if (n == 1) {
10    printf("*\n");
11  } else {
12    printf("*");
13    printRow(n - 1);
14  }
15}
```