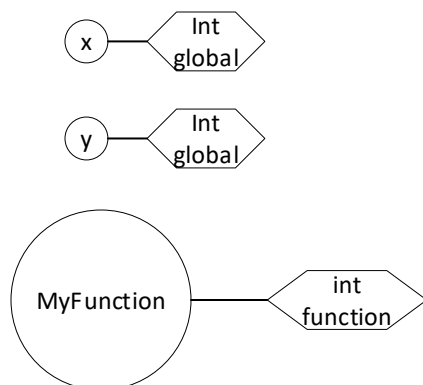


First Code Snippet: Dynamic Scope

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CS 414

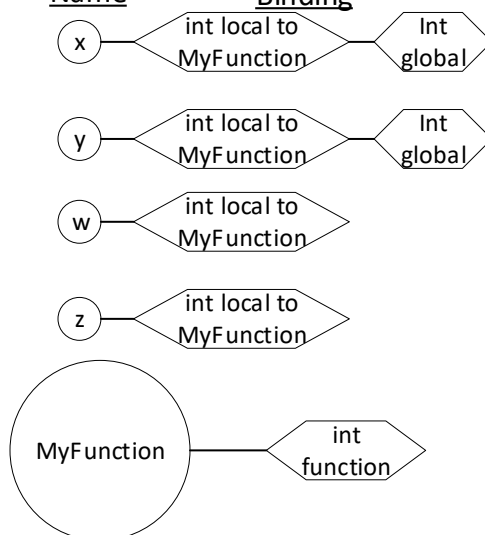
Line 3

Name	Binding
------	---------



Lines 5, 8, 11

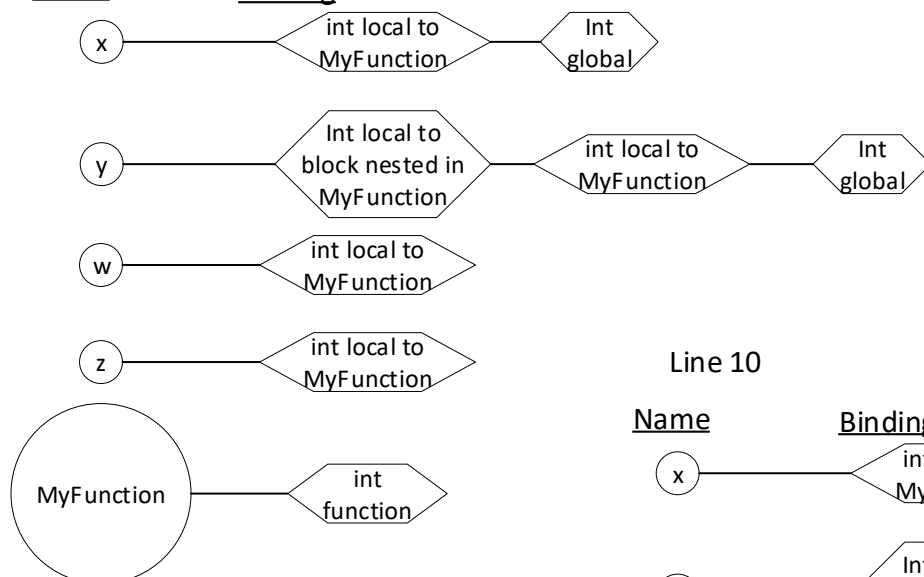
Name	Binding
------	---------



Each table represents the code before executing the line used to label it.

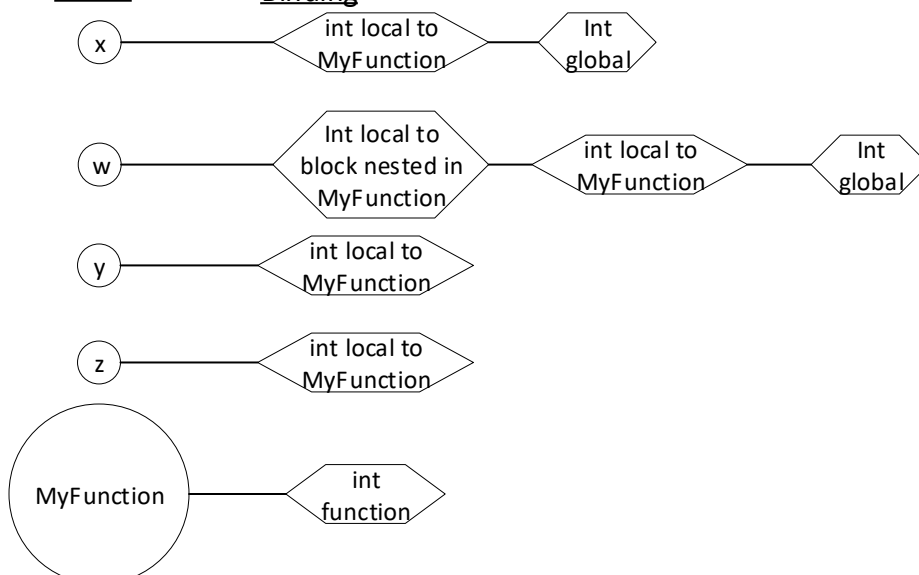
Line 7

Name	Binding
------	---------



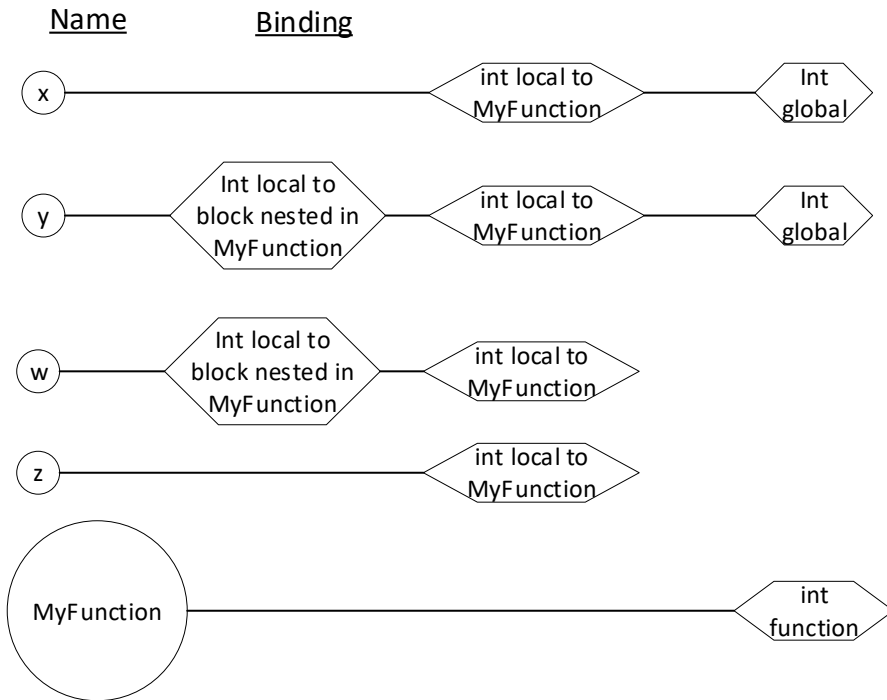
Line 10

Name	Binding
------	---------

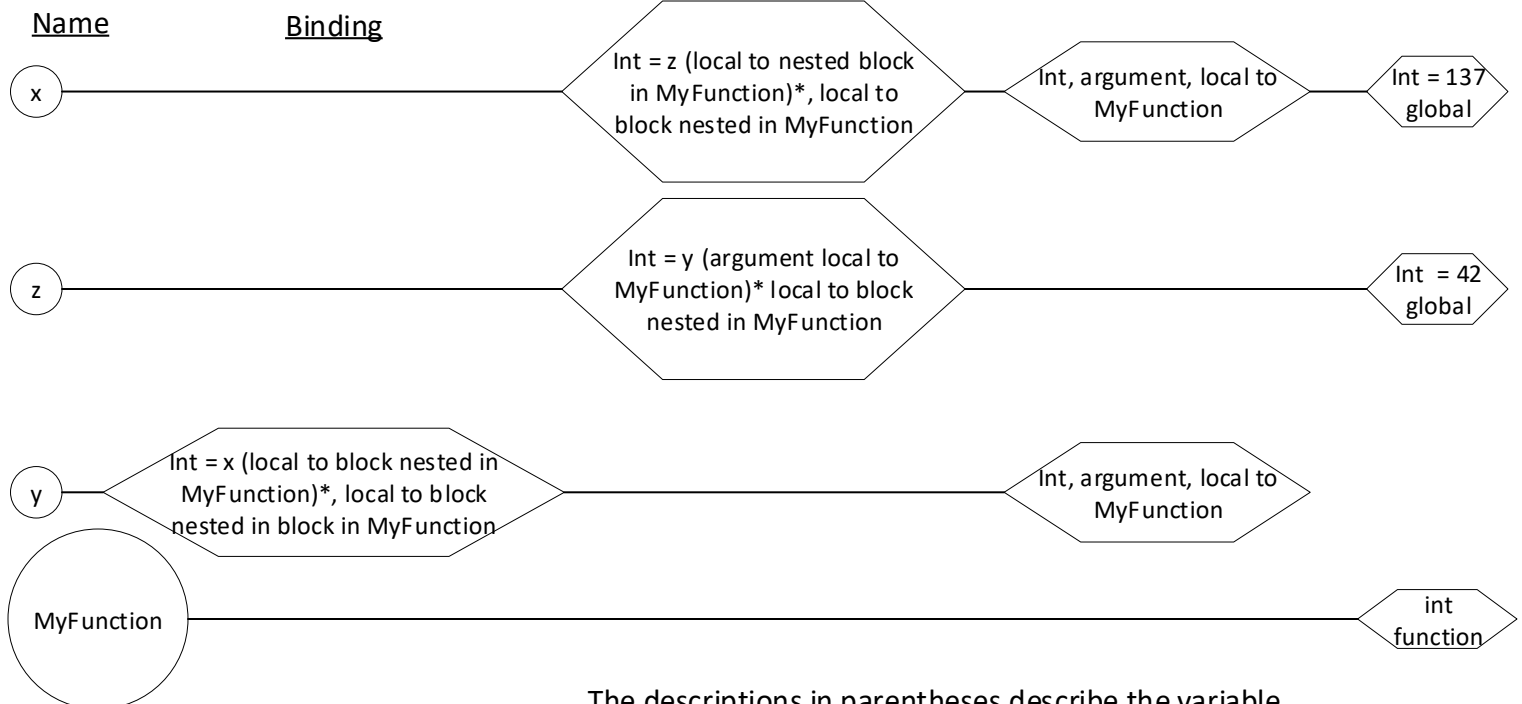


Lexical Scope

First Snippet



Second Snippet



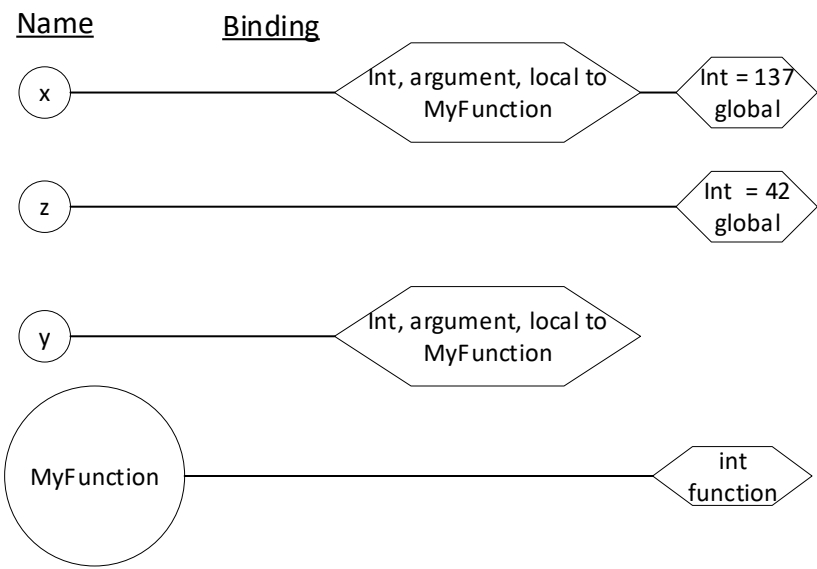
The descriptions in parentheses describe the variable right of the equal sign. The description following and separated by a comma describes the variable its shape bound to.

*Everything noted with an asterisk is equal to the argument y passed to MyFunction

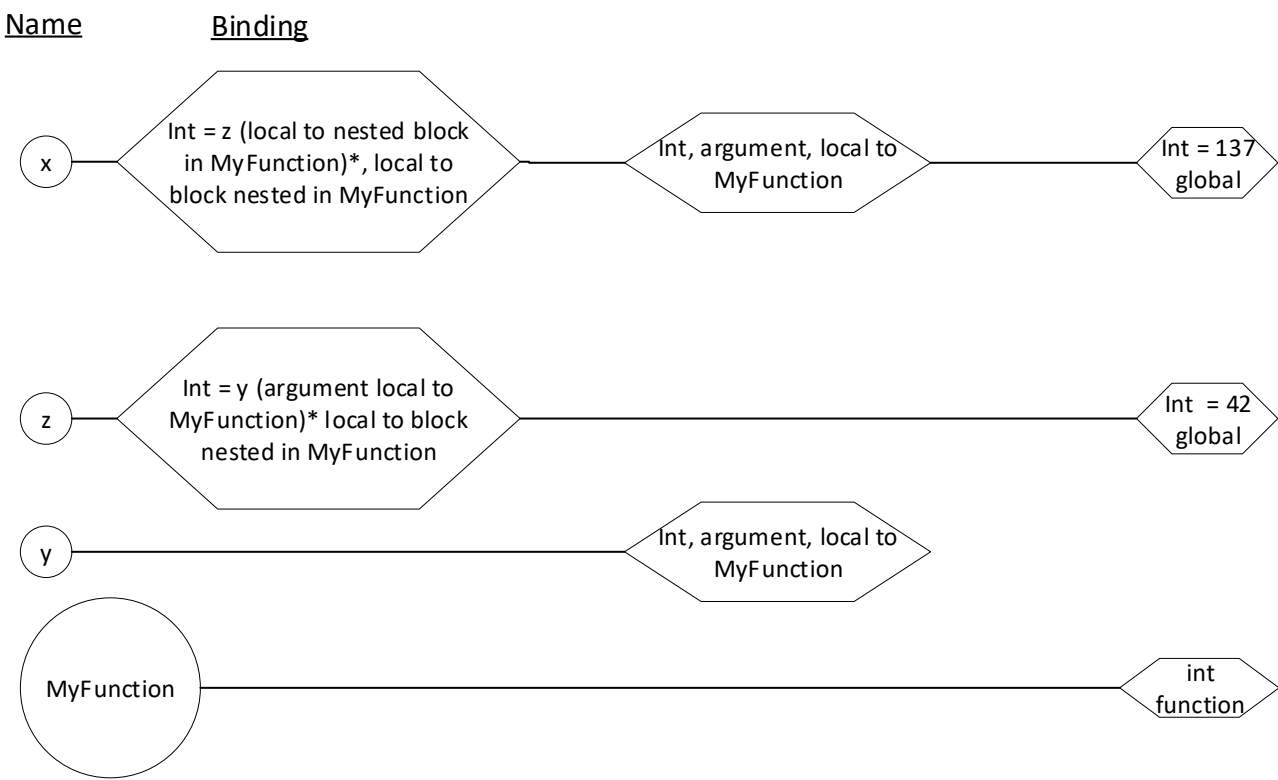
The following tables also use this notation

Second Code Snippet: Dynamic Scope

Lines 3 and 17

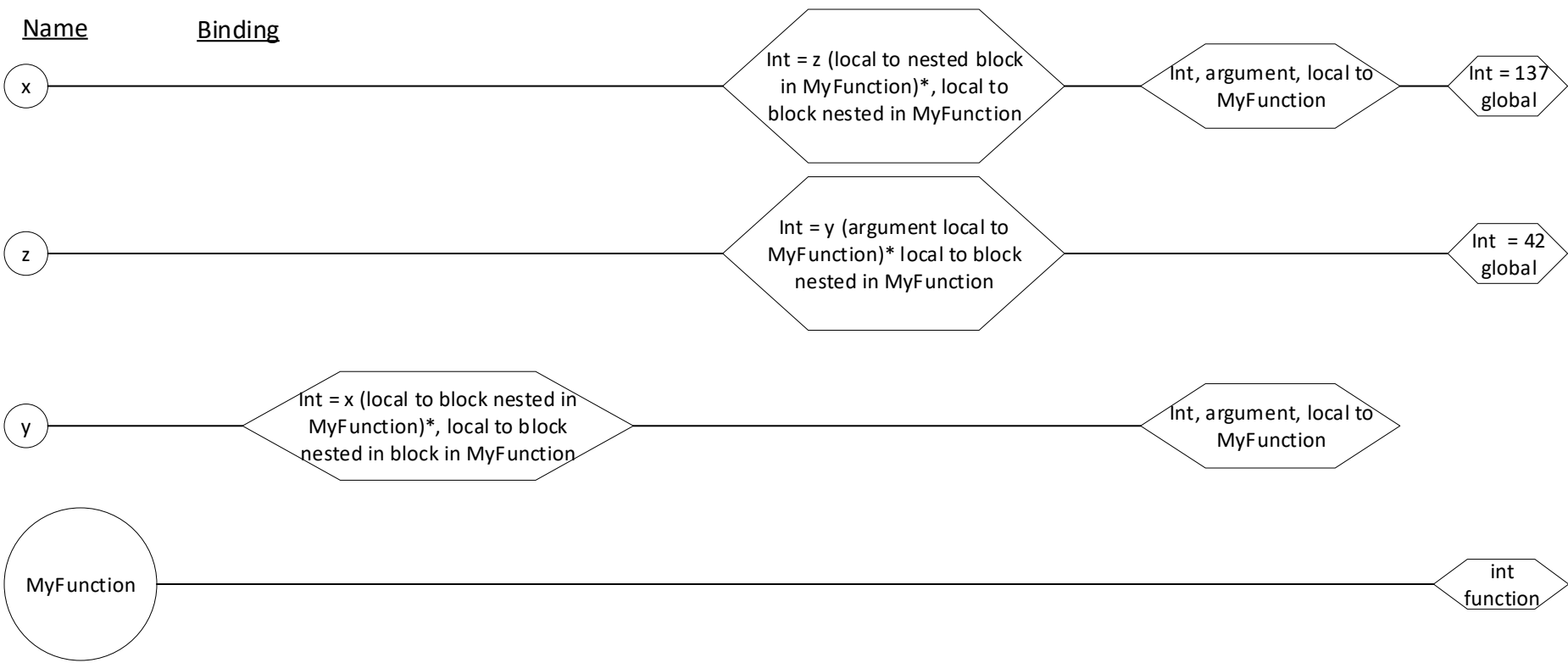


Lines 8 and 15



Second Code Snippet: Dynamic Scope

Lines 10



Final Question

Assuming that dynamic scoping is used, what is output by the following program?

```
void main() {  
    int x = 0;  
    f1();  
    g();  
    f2();  
}  
  
void f1() {  
    int x = 10;  
    g();  
}  
  
void f2() {  
    int x = 20;  
    f1();  
    g();  
}  
  
void g() {  
    print(x);  
}
```

10
0
10
20