

Exercise 5

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Given the following code.

```
fun apply (g)=>
    fun param (x) => g (x);
fun foo y => y + 1;
apply foo 5
```

1. Label the expressions in the above code and provide a sample solution for the Inter-procedural Control Flow Analysis problem.
2. Build all the CFA constraints for the above code.
3. Illustrate the process of solving the constraints and computing a correct solution.