

Assignment 17b Written problem (25 points) You may work with one or two other students and turn in one copy with everyone's names and signatures on it.

As I said in the Day 31 class, one of the best things you can do to understand call/cc is to be sure that you understand each step in the strange1 example from that class (also did it Tuesday in sections 1 and 4). Just to be sure that you "get it", I am going to turn it into a formal assignment, which you may do alone or with one or two other students. You should show the steps in the evaluation of that code (from one of the first few slides from today). You probably already have the steps in your notes from Day 31, but if not I think it would be even better practice for you if you reconstruct the steps yourself.

The main thing I want you to do is to annotate each step (the steps correspond to the blue arrows I drew on the board), giving the reason why each is the valid next step in the evaluation. Most of the annotations can be brief, but try not to be ambiguous.

This will be due at the beginning of Thursday's class, but I recommend that you do it while it is fresh on your mind. **Turn in a hard copy at the beginning of class Day 35**

```
(define strange1
  (lambda (x)
    (display 1)
    (call/cc (lambda (j)
                (x j)))
    (display 2)))

(strange1
 (call/cc
  (lambda (k) k)))
```