**CSSE 304   Day 37 Summary**

1.  `amoeba`   example.  Code is on the slides; this space is for your notes

2.  What are coroutines?   Are coroutines concurrent?

3.  What does `resume` do?  What does it return?

4.  How would you write same-fringe?  Does your version short-circuit?

    ```
    ;; > (same-fringe '((1) (2 ((3)))) '((1 (2) 3)))
    ;; #t
    ;; > (same-fringe '((1) (2 ((3)))) '((1 2 4)))
    ;; #f
    ;; > (same-fringe '(1 (2)) '(1))
    ;; #f
    ;; > (same-fringe '() '())
    ;; #t
    ;; > (same-fringe '() '(()))
    ;; #t
    ;; > (same-fringe '((1 (((2)))))) '((((((1))) 2))))
    ;; #t
    ```

5.  Using coroutines, same-fringe can be done naturally, recursively, and efficiently using coroutines, and it still short-circuits.  It may be a good idea to write down a few ideas about that here.  Code is on the slides.