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| Name: |

CSSE304 Fall 202210 Final Exam Paper Part

A. [7 points] What does this scheme code print? (if it infinite loops, say that)

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| (let ((foo #f))  (display "a")  (call/cc (lambda (bar)  (set! foo bar)  (display "b")))  (display "c")  (call/cc (lambda (baz)  (let ((oldfoo foo))  (set! foo baz)  (display "d")  (oldfoo "e"))))  (display "f")) |

B. [7 points] What does this scheme code evaluate to?

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| (define (fun lst proc)  (if (null? lst)  '()  (let ((recurse (fun (cdr lst) proc)))  (cons (proc (car lst)) recurse))))  (list (call/cc (lambda (foo) (fun '(1 2) foo)))) |

C. [6 points] What does this scheme code evaluate to?

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| (list (call/cc (call/cc (lambda (x) (lambda (y) (+ 3 (y 4))) )))) |