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Syntax and Style Bug-Hunting: Piecewise Edition
                                       Correct Code / Explanation
 Buggy Code
                                       No 'end' statements
 fun piecewisefun(n):
   if (n > 0): n
                                       fun piecewisefun(n):
   else: 0
                                         if (n > 0): n
                                         else: 0
                                         end
                                       end
                                       Need to use 'else if' for all but the
 fun cost(topping):
                                       final condition
   if string-equal(topping,
 "pepperoni"): 10.50
                                       fun cost(topping):
   else string-equal(topping,
                                         if string-equal(topping,
 "cheese"): 9.00
                                       "pepperoni"): 10.50
   else string-equal(topping,
                                         else if string-equal(topping,
"chicken"): 11.25
                                       "cheese"): 9.00
   else string-equal(topping,
                                         else if string-equal(topping,
 "broccoli"): 10.25
                                       "chicken"): 11.25
   else: "That's not on the menu!"
                                         else if string-equal(topping,
   end
                                       "broccoli"): 10.25
 end
                                         else: "That's not on the
                                       menu!"
                                         end
                                       end
                                       No 'else' statement before final
 fun absolute-value(a b):
                                       condition
   if a > b: a - b
   b - a
                                       fun absolute-value(a b):
   end
                                         if a > b: a - b
 end
                                         else: b - a
                                         end
                                       end
                                       First and second condition are the
 fun best-function(f):
   if string-equal(f, "blue"):
                                       same
     "you win!"
                                       (This program will run, but the second
   else if string-equal(f,
                                       condition will never be evaluated)
 "blue"):
      "you lose!"
                                       if string-equal(f,
   else if string-equal(f,
                                       "blue"): "you win!"
 "red"):
                                       else if string-equal(f,
      "Try again!"
                                       "green"): "you lose!"
   else: "Invalid entry!"
 end
```