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 code I agree that it represents my own work. I am aware of
 the University rule that a student must not act in a manner
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  "Academic Integrity" and Section E/2.1 "Student Code of Conduct".
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# will not be marked. All files submitted will be subjected to
# software plagiarism analysis using the MoSS system
  (http://theory.stanford.edu/~aiken/moss/).
#----#
#----Assignment Description-----#
# BUILDING BLOCKS
 This assignment tests your skills at defining functions, processing
  data stored in lists and performing the arithmetic calculations
  necessary to display a complex visual image. The incomplete
 Python script below is missing a crucial function, "stack blocks".
 You are required to complete this function so that when the
# program is run it produces a picture of a pile of building blocks
 whose arrangement is determined by data stored in a list which
 specifies the blocks' locations. See the instruction
  sheet accompanying this file for full details.
# Note that this assignment is in two parts, the second of which
 will be released only just before the final deadline. This
 template file will be used for both parts and you will submit
 your final solution as a single file, whether or not you
 complete both parts of the assignment.
#----#
#----Preamble-----#
# This section imports necessary functions and defines constant
# values used for creating the drawing canvas. You should not change
# any of the code in this section.
# Import the functions needed to complete this assignment. You
# should not need to use any other modules for your solution.
from turtle import *
from math import *
```

#----Statement of Authorship-----#

```
# the drawing canvas. Do not change any of these values.
block size = 250 # pixels
top and bottom border = 75 # pixels
left and right border = 150 # pixels
canvas_width = (block_size + left_and right border) * 2
canvas height = (block size + top and bottom border) * 2
#----#
#----Functions for Managing the Canvas-----#
\# The functions in this section are called by the main program to
# set up the drawing canvas for your image. You should not change
# any of the code in this section.
# Set up the canvas and draw the background for the overall image
def create drawing canvas():
    # Set up the drawing canvas
    setup(canvas_width, canvas_height)
    \# Set the coordinate system so that location (0, 0) is centred on
    # the point where the blocks will be stacked
    setworldcoordinates (-canvas width / 2, -top and bottom border,
                       canvas width / 2, canvas height -
top and bottom border)
    # Draw as fast as possible
    tracer(False)
    # Colour the sky blue
   bgcolor('sky blue')
    # Draw the ground as a big green rectangle (sticking out of the
    # bottom edge of the drawing canvas slightly)
    overlap = 50 # pixels
   penup()
    goto(-(canvas width / 2 + overlap), -(top and bottom border +
overlap)) # start at the bottom-left
    fillcolor('pale green')
    begin fill()
    setheading(90) # face north
    forward(top_and_bottom_border + overlap)
    right(90) # face east
    forward(canvas width + overlap * 2)
    right(90) # face south
    forward(top and bottom border + overlap)
    end fill()
    penup()
    # Draw a friendly sun peeking into the image
```

Define constant values used in the main program that sets up

```
goto(-canvas width / 2, block size * 2)
    color('yellow')
    dot (250)
    # Reset everything ready for the student's solution
    color('black')
    width(1)
    penup()
    home()
    setheading(0)
    tracer (True)
# As a debugging aid, mark the coordinates of the centres and corners
# of the places where the blocks will appear
def mark coords(show corners = False, show centres = False):
    # Go to each coordinate, draw a dot and print the coordinate, in the
given colour
    def draw each coordinate(colour):
        color(colour)
        for x coord, y coord in coordinates:
            goto(x coord, y coord)
            dot(4)
            write(' ' + str(x_coord) + ', ' + str(y_coord), font =
('Arial', 12, 'normal'))
    # Don't draw lines between the coordinates
    penup()
    # The list of coordinates to display
    coordinates = []
    # Only mark the corners if the corresponding argument is True
    if show corners:
        coordinates = [[-block size, block size * 2], [0, block size *
2], [block size, block size * 2],
                        [-block size, block size], [0, block size],
[block size, block size],
                        [-block size, 0], [0, 0], [block size, 0]]
        draw each coordinate('dark blue')
    # Only mark the centres if the corresponding argument is True
    if show centres:
        coordinates = [[-block size / 2, block size / 2], [block size /
2, block size / 2],
                        [-block size / 2, block size + block size / 2],
[block size / 2, block size + block size / 2]]
        draw each coordinate('red')
    # Put the cursor back how it was
    color('black')
    home()
# End the program by hiding the cursor and releasing the window
def release drawing_canvas():
    tracer (True)
```

```
hideturtle()
    done()
#----#
#----Test data-----#
# These are the data sets you will use to test your code.
# Each of the data sets is a list specifying the locations of
# the building blocks:
# 1. The name of the block, from 'Block A' to 'Block D'
# 2. The place to put the block, either 'Top left', 'Top right',
     'Bottom left' or 'Bottom right'
# 3. The block's orientation, meaning the direction in which the top
    of the block is pointing, either 'Up', 'Down', 'Left' or 'Right'
# 4. An optional mystery value, 'X' or 'O', whose purpose will be
    revealed only in the second part of the assignment
# Each data set does not necessarily mention all four blocks.
# You can create further data sets, but do not change any of the
# given ones below because they will be used to test your submission.
# The following data set doesn't require drawing any blocks
# at all. You may find it useful as a dummy argument when you
# first start developing your "draw attempt" function.
arrangement 00 = []
# Each of the following data sets specifies drawing just one block
# in an upright orientation. You may find them useful when
# creating your individual pieces.
arrangement 01 = [['Block A', 'Bottom left', 'Up', 'O']]
arrangement_02 = [['Block B', 'Bottom right', 'Up', 'O']]
arrangement 03 = [['Block C', 'Bottom left', 'Up', '0']]
arrangement 04 = [['Block D', 'Bottom right', 'Up', 'O']]
# Each of the following data sets specifies drawing just one block
# in non-upright orientations. You may find them useful when
# ensuring that you can draw all the blocks facing in different
# directions.
arrangement_10 = [['Block A', 'Bottom left', 'Down', 'O']]
arrangement_11 = [['Block A', 'Bottom right', 'Left', 'O']]
arrangement 12 = [['Block A', 'Bottom left', 'Right', 'O']]
arrangement_13 = [['Block B', 'Bottom left', 'Down', 'O']]
arrangement_14 = [['Block B', 'Bottom right', 'Left', 'O']]
arrangement_15 = [['Block B', 'Bottom left', 'Right', 'O']]
arrangement_16 = [['Block C', 'Bottom left', 'Down', 'O']]
arrangement 17 = [['Block C', 'Bottom right', 'Left', 'O']]
```

```
arrangement_18 = [['Block C', 'Bottom left', 'Right', 'O']]
arrangement_19 = [['Block D', 'Bottom left', 'Down', 'O']]
arrangement_20 = [['Block D', 'Bottom right', 'Left', 'O']]
arrangement 21 = [['Block D', 'Bottom left', 'Right', 'O']]
# The following data sets all stack various numbers of
# blocks in various orientations
arrangement_30 = [['Block C', 'Bottom right', 'Up', 'O'],
                 ['Block D', 'Top right', 'Up', 'O']]
['Block C', 'Top right', 'Up', 'O']]
arrangement_33 = [['Block B', 'Bottom right', 'Up', 'O'],
                 ['Block D', 'Bottom left', 'Up', 'O'],
                 ['Block A', 'Top left', 'Up', 'O']]
['Block C', 'Top right', 'Up', 'O']]
arrangement 40 = [['Block C', 'Bottom right', 'Left', 'O'],
                 ['Block D', 'Top right', 'Right', 'O']]
['Block A', 'Top left', 'Right', 'O']]
arrangement_44 = [['Block B', 'Bottom left', 'Down', 'O'],
                 ['Block A', 'Bottom right', 'Left', 'O'],
                 ['Block D', 'Top left', 'Right', 'O'], ['Block C', 'Top right', 'Up', 'O']]
arrangement_50 = [['Block B', 'Bottom right', 'Left', 'O'],
                 ['Block D', 'Bottom left', 'Left', 'O'],
                 ['Block C', 'Top right', 'Down', 'X']]
arrangement_51 = [['Block B', 'Bottom right', 'Right', 'O'],
                 ['Block D', 'Bottom left', 'Left', 'O'],
                 ['Block A', 'Top left', 'Right', 'X']]
arrangement_60 = [['Block B', 'Bottom right', 'Left', 'X'],
                 ['Block D', 'Bottom left', 'Left', 'O'],
                 ['Block C', 'Top right', 'Down', 'O']]
arrangement_61 = [['Block B', 'Bottom right', 'Right', 'O'],
['Block D', 'Bottom left', 'Left', 'X'],

['Block A', 'Top left', 'Right', 'O']]

arrangement_62 = [['Block B', 'Bottom left', 'Down', 'X'],
                 ['Block A', 'Bottom right', 'Left', 'X'],
                 ['Block D', 'Top left', 'Right', 'O'], ['Block C', 'Top right', 'Up', 'O']]
```

```
# The following arrangements create your complete image, but
# oriented the wrong way
arrangement 80 = [['Block C', 'Bottom right', 'Left', 'O'],
                 ['Block D', 'Top right', 'Left', 'X'],
                 ['Block A', 'Bottom left', 'Left', 'O'],
                 ['Block B', 'Top left', 'Left', 'O']]
arrangement_89 = [['Block A', 'Bottom right', 'Down', 'O'],
                 ['Block C', 'Top right', 'Down', 'O'],
                 ['Block B', 'Bottom left', 'Down', 'O'],
                 ['Block D', 'Top left', 'Down', 'O']]
# The following arrangements should create your complete image
# (but with the blocks stacked in a different order each time)
arrangement_90 = [['Block C', 'Bottom left', 'Up', 'O'],
                 ['Block D', 'Bottom right', 'Up', 'O'],
                 ['Block B', 'Top right', 'Up', 'X'],
                 ['Block A', 'Top left', 'Up', 'O']]
arrangement 91 = [['Block D', 'Bottom right', 'Up', 'X'],
                 ['Block C', 'Bottom left', 'Up', 'X'],
['Block A', 'Top left', 'Up', 'O'],
                 ['Block B', 'Top right', 'Up', 'O']]
arrangement_92 = [['Block D', 'Bottom right', 'Up', 'X'],
                 ['Block B', 'Top right', 'Up', 'O'], ['Block C', 'Bottom left', 'Up', 'O'],
                 ['Block A', 'Top left', 'Up', 'O']]
arrangement_99 = [['Block C', 'Bottom left', 'Up', 'O'],
                 ['Block D', 'Bottom right', 'Up', 'O'],
                 ['Block A', 'Top left', 'Up', 'O'],
                 ['Block B', 'Top right', 'Up', 'O']]
#-----#
#----Student's Solution-----#
# Complete the assignment by replacing the dummy function below with
# your own "stack blocks" function.
# Draw the stack of blocks as per the provided data set
def stack blocks(arrangement):
```

```
#######----- BLOCK A -----
----#######
   def BlockA():
   #Draw block A's border
       pendown()
       begin fill()
       width(2)
       color('white')
       forward (250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       end fill()
       penup()
   #Draw a quarter of a circle
       color('black')
       left(90)
       forward (250)
       left(90)
       begin fill()
       pendown()
       circle(250, 90)
       left(90)
       forward(250)
       left(90)
       forward(250)
       end fill()
       penup()
   #Draw red strip
       left(180)
       forward(45)
       right(90)
       pendown()
       begin fill()
       color('#880019')
       how long = range (15)
       for line length in how long:
           forward(21)
           left(6)
       forward(15)
       left(90)
       forward(50)
       left(90)
       how_long = range(19)
       for line length in how long:
             forward(13)
             right(5)
       left(5)
       forward(5)
       left(90)
       forward(50)
       end fill()
```

```
penup()
   #Draw top quarter of the letter "A"
       color('#fb1740')
       right(180)
       forward(11)
       right(25)
       pendown()
       begin fill()
       forward (214)
       left(115)
       forward(64)
       left(65)
       forward(64)
       left(25)
       forward(135)
       end fill()
       penup()
   #Seperate the A from the round strip
       pendown()
       forward(4)
       color('black')
       width(3)
                     #go up 2 extra pixels above the A
       left(155)
       forward(218)
       penup()
   #Overlay border
       left(115)
       forward (92)
       left(90)
       pendown()
       color('red')
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       penup()
#######-----BLOCK B ------
---######
   def BlockB():
   #Draw block B's border
        width(1)
        pendown()
        begin fill()
        color('white')
        forward(249)
        left(90)
        forward(249)
        left(90)
        forward(249)
        left(90)
```

```
forward (249)
     end fill()
     penup()
#Draw quarter of a circle
     color('black')
     left(90)
     pendown()
     begin fill()
     circle(249, 90)
     left(90)
     forward(249)
     left(90)
     forward(249)
     end fill()
     penup()
 #Draw red strip
     left(180)
     forward(249)
     right (90)
     forward(205)
     right (90)
     pendown()
     begin fill()
     color('#880019')
     how_long = range(15)
     for line length in how long:
         forward(21)
         right(6)
     forward(15)
     right (90)
     forward(55)
     right(90)
     how long = range (19)
     for line_length in how_long:
           forward(13)
           left(5)
     right(5)
     right (90)
     forward(50)
     end fill()
     penup()
 #Draw top quarter of letter A
     color('#fb1740')
     right (90)
     forward (69)
     right (90)
     forward(8)
     pendown()
     begin fill()
     forward(197)
     right(90)
     forward(50)
     right (90)
     forward(101)
     left(155)
```

```
forward(43)
     right(155) #look up
     forward(130)
     right(25)
     forward(15)
     right(65)
     how long = range(7)
     for line length in how long:
       right(2)
       forward(9)
     end fill()
     penup()
#Draw black lines to seperate the A
     color('black')
     left(14)
     forward(2)
     right (90)
     pendown()
     width(3)
     forward(195)
     penup()
     right (90)
     forward(71)
     right (90)
     forward(196)
     right (25)
     forward(2)
     pendown()
     forward(6)
     penup()
     left(115)
     forward(1)
     left(90)
     forward(174)
     left(45)
     width(3)
     forward(18)
     color('black')
     pendown()
     forward(24)
     penup()
 #Overlay border
     forward(3)
     right (135)
     color('red')
     forward(36)
     right(90)
     pendown()
     forward(250)
     right (90)
     forward (250)
     right(90)
     forward(250)
     right (90)
     forward(250)
     penup()
```

```
#######+-----
----######
   def BlockC():
   #Draw block C's border
       width(1)
       pendown()
       begin fill()
       color('white')
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       end_fill()
       penup()
   #Draw quarter of a circle
       color('black')
       begin fill()
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       pendown()
       circle(250, 90)
       end fill()
       penup()
   #Draw the curved strip
       left(90)
       forward(45)
       color('#fb1740')
       left(90)
       pendown()
       begin fill()
       color('#880019')
       how_long = range(15)
       for line length in how long:
           forward(21)
           right(6)
       forward(15)
       penup()
       right(90)
       forward(50)
       right (90)
       pendown()
       how_long = range(18)
       for line length in how long:
           forward(13)
```

left(5)
forward(17)

```
right(90)
    forward(50)
    end_fill()
    penup()
#Draw the bottom quarter of the letter A
    left(180)
    forward(204)
    left(90)
    forward(91)
    color('#FB1740')
    left(65)
    pendown()
   begin fill()
    forward(157)
    penup()
    right(180)
    forward(157)
    right(65)
    pendown()
    forward(66)
    left(245)
    forward(194)
    right(93)
    how_long = range(7)
    for line length in how long:
        right(2)
        forward(8)
    forward(2)
    end fill()
    penup()
#Seperate the A from the round strip
    color('black')
    forward(4)
    width(3)
    right(73)
    pendown()
    forward(155)
    right (180)
    forward(160)
    left(180)
    forward(160)
    penup()
    right(65)
    forward(68)
    left(245)
    pendown()
    forward(197)
    penup()
#Draw horizontal support for A
    color('#FB1740')
    left(115)
    forward(106)
    left(90)
    forward(162)
    left(90)
```

```
begin fill()
       pendown()
       right (180)
       forward(38)
       right(90)
       forward(50)
       right(90)
       forward(61)
       right (115)
       forward(53)
       end fill()
       penup()
   #Overlay border
       right(65)
       forward(39)
       left(90)
       pendown()
       forward(19)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       penup()
######-----BLOCK D ------
---######
   def BlockD():
   #Draw block D's border
       width(1)
       pendown()
       begin fill()
       color('white')
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       left(90)
       forward(250)
       end_fill()
       penup()
   #Draw quarter of a circle
       color('black')
       left(180)
       forward (250)
       begin fill()
       right(180)
```

forward(37)

```
pendown()
    circle(250, 90)
    left(90)
    forward(250)
    left(90)
    forward(250)
    end fill()
    penup()
#Draw the curved strip
    left(180)
    forward(45)
    pendown()
    begin fill()
    color('#880019')
    right(90)
    how long = range (15)
    for line length in how long:
        forward(21)
        left(6)
    forward(15)
    left(90)
    forward(54)
    left(90)
    how_long = range(18)
    for line length in how long:
        forward(13)
        right(5)
    forward(14)
    left(90)
    forward(50)
    end fill()
    penup()
#Draw the bottom quarter of A
    right (180)
    forward(190)
    color('#FB1740')
   begin fill()
    right(90)
    pendown()
    forward(20)
    left(90)
    forward(15)
    right(90)
    forward(50)
    right(90)
    forward(100)
    right(90)
    forward(50)
    right(90)
    forward(34)
    left(90)
    forward(20)
    right(90)
    forward(50)
    end fill()
    penup()
```

```
forward(15)
       right(90)
       forward(35)
      pendown()
      width(3)
       color('black')
       right (45)
       forward(50)
       right (90)
       forward(72)
      penup()
   #Overlay border
      right(45)
       forward(20)
       right (90)
       forward(88)
      right (90)
       color('red')
      pendown()
       forward(250)
       right (90)
       forward(250)
       right(90)
       forward(250)
      right(90)
       forward(250)
      penup()
----############
   if len(arrangement) == 0 :
       pass
----###########
######----- ARRANGEMENT[0] for BLOCK A -----######
   if len(arrangement) >= 1: #if the length of the arrangement list is
greater or less \
   #than 1
       if arrangement[0][0] == "Block A":
        if arrangement[0][2] == "Up":
          setheading (90)
          if arrangement[0][1] == "Bottom left":
              goto(0, 0)
              BlockA()
          elif arrangement[0][1] == "Top left":
              goto(0, 250)
              BlockA()
          elif arrangement[0][1] == "Bottom right":
              goto(250, 0)
              BlockA()
          elif arrangement[0][1] == "Top right":
              goto (250, 250)
```

#Draw black lines through A

```
BlockA()
        elif arrangement[0][2] =="Down":
            setheading(270)
            if arrangement[0][1] == "Bottom left":
                goto(-250, 250)
                BlockA()
            elif arrangement[0][1] == "Top left":
                goto(-250, 500)
                BlockA()
            elif arrangement[0][1] == "Bottom right":
                goto(0, 250)
                BlockA()
            elif arrangement[0][1] == "Top right":
                goto(0, 500)
                BlockA()
        elif arrangement[0][2] == "Left":
            setheading(180)
            if arrangement[0][1] == "Bottom left":
                goto(0, 250)
                BlockA()
            elif arrangement[0][1] == "Top left":
                goto (250, 500)
                BlockA()
            elif arrangement[0][1] == "Bottom right":
                goto(250, 250)
                BlockA()
            elif arrangement[0][1] == "Top right":
                goto (250, 500)
                BlockA()
        elif arrangement[0][2] == "Right":
            setheading(0)
            if arrangement[0][1] == "Bottom left":
                goto(-250, 0)
                BlockA()
            elif arrangement[0][1] == "Top left":
                goto (-250, 250)
                BlockA()
            elif arrangement[0][1]== "Bottom right":
                goto(0, 0)
                BlockA()
            elif arrangement[0][1] == "Top right":
                goto(0, 250)
                BlockA()
######----- ARRANGEMENT[0] for BLOCK B -----######
        elif arrangement[0][0] == "Block B":
                if arrangement[0][2] == "Up":
                  setheading (90)
                  if arrangement[0][1] == "Bottom left":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[0][1] == "Top left":
                    goto (0, 250)
                    BlockB()
```

elif arrangement[0][1] == "Bottom right":

```
BlockB()
                  elif arrangement[0][1] == "Top right":
                    goto(250, 250)
                    BlockB()
                elif arrangement[0][2] == "Down":
                  setheading(270)
                  if arrangement[0][1] == "Bottom left":
                    goto (-250, 250)
                    BlockB()
                  elif arrangement[0][1] == "Top left":
                    goto(-250, 500)
                    BlockB()
                  elif arrangement[0][1] == "Bottom right":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[0][1] == "Top right":
                    goto(0, 500)
                    BlockB()
                elif arrangement[0][2] == "Left":
                  setheading(180)
                  if arrangement[0][1] == "Bottom left":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[0][1] == "Top left":
                    goto(0, 500)
                    BlockB()
                  elif arrangement[0][1] == "Bottom right":
                    goto (250, 250)
                    BlockB()
                  elif arrangement[0][1] == "Top right":
                    goto (250, 500)
                    BlockB()
                elif arrangement[0][2] == "Right":
                  setheading(0)
                  if arrangement[0][1] == "Bottom left":
                    goto (-250, 0)
                    BlockB()
                  elif arrangement[0][1] == "Top left":
                    goto (-250, 250)
                    BlockB()
                  elif arrangement[0][1] == "Bottom right":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[0][1] == "Top right":
                    goto(0, 250)
                    BlockB()
######----- ARRANGEMENT[0] for BLOCK C ----######
        elif arrangement[0][0] == "Block C":
                if arrangement[0][2] == "Up":
                  setheading (90)
                  if arrangement[0][1] == "Bottom left":
                    goto(0, 0)
                    BlockC()
```

goto (250, 0)

```
goto (0, 250)
                    BlockC()
                  elif arrangement[0][1] == "Bottom right":
                    goto (250, 0)
                    BlockC()
                  elif arrangement[0][1] == "Top right":
                    goto (250, 250)
                    BlockC()
                elif arrangement[0][2] == "Down":
                  setheading (270)
                  if arrangement[0][1] == "Bottom left":
                    goto (-250, 250)
                    BlockC()
                  elif arrangement[0][1] == "Top left":
                    goto(-250, 500)
                    BlockC()
                  elif arrangement[0][1] == "Bottom right":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[0][1] == "Top right":
                    goto(0, 500)
                    BlockC()
                elif arrangement[0][2] == "Left":
                  setheading (180)
                  if arrangement[0][1] == "Bottom left":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[0][1] == "Top left":
                    qoto(250, 500)
                    BlockC()
                  elif arrangement[0][1] == "Bottom right":
                    goto (250, 250)
                    BlockC()
                  elif arrangement[0][1] == "Top right":
                    goto (250, 500)
                    BlockC()
                elif arrangement[0][2] == "Right":
                  setheading(0)
                  if arrangement[0][1] == "Bottom left":
                    goto(-250, 0)
                    BlockC()
                  elif arrangement[0][1] == "Top left":
                    goto(-250, 250)
                    BlockC()
                  elif arrangement[0][1] == "Bottom right":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[0][1] == "Top right":
                    goto (0, 250)
                    BlockC()
######----- ARRANGEMENT[0] for BLOCK D -----######
        elif arrangement[0][0] == "Block D":
                if arrangement[0][2] == "Up":
```

elif arrangement[0][1] == "Top left":

```
setheading (90)
  if arrangement[0][1] == "Bottom left":
    goto(0, 0)
    BlockD()
  elif arrangement[0][1] == "Top left":
    goto(0, 250)
    BlockD()
  elif arrangement[0][1] == "Bottom right":
    goto (250, 0)
    BlockD()
  elif arrangement[0][1] == "Top right":
    goto(250, 250)
    BlockD()
elif arrangement[0][2] == "Down":
  setheading(270)
  if arrangement[0][1] == "Bottom left":
    goto (-250, 250)
    BlockD()
  elif arrangement[0][1] == "Top left":
    goto(-250, 500)
    BlockD()
  elif arrangement[0][1] == "Bottom right":
    goto (0, 250)
    BlockD()
  elif arrangement[0][1] == "Top right":
    goto(0, 500)
    BlockD()
elif arrangement[0][2] == "Left":
  setheading(180)
  if arrangement[0][1] == "Bottom left":
    goto(0, 250)
    BlockD()
  elif arrangement[0][1] == "Top left":
    goto(0, 500)
    BlockD()
  elif arrangement[0][1] == "Bottom right":
    goto (250, 250)
    BlockD()
  elif arrangement[0][1] == "Top right":
    goto (250, 500)
    BlockD()
elif arrangement[0][2] == "Right":
  setheading(0)
  if arrangement[0][1] == "Bottom left":
    goto(-250, 0)
    BlockD()
  elif arrangement[0][1] == "Top left":
    goto(-250, 250)
    BlockD()
  elif arrangement[0][1] == "Bottom right":
    goto(0, 0)
    BlockD()
  elif arrangement[0][1] == "Top right":
    goto (0, 250)
    BlockD()
```

```
else:
    pass
```

```
########## [0] ------
----############
----#############
######----- ARRANGEMENT[1] for BLOCK A -----######
   if len(arrangement) >= 2:
       if arrangement[1][0] == "Block A":
              if arrangement[1][2] == "Up":
                setheading (90)
                if arrangement[1][1] == "Bottom left":
                  goto(0, 0)
                  BlockA()
                elif arrangement[1][1] == "Top left":
                  goto(0, 250)
                  BlockA()
                elif arrangement[1][1] == "Bottom right":
                  goto (250, 0)
                  BlockA()
                elif arrangement[1][1] == "Top right":
                  goto(250, 250)
                  BlockA()
              elif arrangement[1][2] == "Down":
                setheading(270)
                if arrangement[1][1] == "Bottom left":
                  goto (-250, 250)
                  BlockA()
                elif arrangement[1][1] == "Top left":
                  goto(-250, 500)
                  BlockA()
                elif arrangement[1][1] == "Bottom right":
                  goto(0, 250)
                  BlockA()
                elif arrangement[1][1] == "Top right":
                  goto(0, 500)
                  BlockA()
              elif arrangement[1][2] == "Left":
                setheading(180)
                if arrangement[1][1] == "Bottom left":
                  goto(0, 250)
                  BlockA()
                elif arrangement[1][1] == "Top left":
                  goto(250, 500)
                  BlockA()
                elif arrangement[1][1] == "Bottom right":
                  goto (250, 250)
                  BlockA()
                elif arrangement[1][1] == "Top right":
                  goto (250, 500)
                  BlockA()
              elif arrangement[1][2] == "Right":
```

```
setheading(0)
                  if arrangement[1][1] == "Bottom left":
                    goto(-250, 0)
                    BlockA()
                  elif arrangement[1][1] == "Top left":
                    goto (-250, 250)
                    BlockA()
                  elif arrangement[1][1] == "Bottom right":
                    goto(0, 0)
                    BlockA()
                  elif arrangement[1][1] == "Top right":
                    goto(0, 250)
                    BlockA()
######---- ARRANGEMENT[1] for BLOCK B ----######
        elif arrangement[1][0] == "Block B":
                if arrangement[1][2] == "Up":
                  setheading (90)
                  if arrangement[1][1] == "Bottom left":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[1][1] == "Top left":
                    goto (0, 250)
                    BlockB()
                  elif arrangement[1][1] == "Bottom right":
                    goto(250, 0)
                    BlockB()
                  elif arrangement[1][1] == "Top right":
                    goto (250, 250)
                    BlockB()
                elif arrangement[1][2] == "Down":
                  setheading (270)
                  if arrangement[1][1] == "Bottom left":
                    goto (-250, 250)
                    BlockB()
                  elif arrangement[1][1] == "Top left":
                    goto(-250, 500)
                    BlockB()
                  elif arrangement[1][1] == "Bottom right":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[1][1] == "Top right":
                    goto(0, 500)
                    BlockB()
                elif arrangement[1][2] == "Left":
                  setheading (180)
                  if arrangement[1][1] == "Bottom left":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[1][1] == "Top left":
                    goto(0, 500)
                    BlockB()
                  elif arrangement[1][1] == "Bottom right":
                    goto (250, 250)
                    BlockB()
                  elif arrangement[1][1] == "Top right":
```

```
goto(250, 500)
                    BlockB()
                elif arrangement[1][2] == "Right":
                  setheading(0)
                  if arrangement[1][1] == "Bottom left":
                    goto(-250, 0)
                    BlockB()
                  elif arrangement[1][1] == "Top left":
                    goto (-250, 250)
                    BlockB()
                  elif arrangement[1][1] == "Bottom right":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[1][1] == "Top right":
                    goto(0, 250)
                    BlockB()
######----- ARRANGEMENT[1] for BLOCK C ----######
        elif arrangement[1][0] == "Block C":
                if arrangement[1][2] == "Up":
                  setheading (90)
                  if arrangement[1][1] == "Bottom left":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[1][1] == "Top left":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[1][1] == "Bottom right":
                    qoto(250, 0)
                    BlockC()
                  elif arrangement[1][1] == "Top right":
                    goto (250, 250)
                    BlockC()
                elif arrangement[1][2] == "Down":
                  setheading (270)
                  if arrangement[1][1] == "Bottom left":
                    goto(-250, 250)
                    BlockC()
                  elif arrangement[1][1] == "Top left":
                    goto (-250, 500)
                    BlockC()
                  elif arrangement[1][1] == "Bottom right":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[1][1] == "Top right":
                    goto(0, 500)
                    BlockC()
                elif arrangement[1][2] == "Left":
                  setheading (180)
                  if arrangement[1][1] == "Bottom left":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[1][1] == "Top left":
                    goto (250, 500)
                    BlockC()
```

```
goto (250, 250)
                    BlockC()
                  elif arrangement[1][1] == "Top right":
                    goto(250, 500)
                    BlockC()
                elif arrangement[1][2] == "Right":
                  setheading(0)
                  if arrangement[1][1] == "Bottom left":
                    goto(-250, 0)
                    BlockC()
                  elif arrangement[1][1] == "Top left":
                    goto (-250, 250)
                    BlockC()
                  elif arrangement[1][1] == "Bottom right":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[1][1] == "Top right":
                    goto(0, 250)
                    BlockC()
######---- ARRANGEMENT[1] for BLOCK D ----######
        elif arrangement[1][0] == "Block D":
                if arrangement[1][2] == "Up":
                  setheading (90)
                  if arrangement[1][1] == "Bottom left":
                    goto(0, 0)
                    BlockD()
                  elif arrangement[1][1] == "Top left":
                    goto (0, 250)
                    BlockD()
                  elif arrangement[1][1] == "Bottom right":
                    goto (250, 0)
                    BlockD()
                  elif arrangement[1][1] == "Top right":
                    goto (250, 250)
                    BlockD()
                elif arrangement[1][2] == "Down":
                  setheading (270)
                  if arrangement[1][1] == "Bottom left":
                    qoto(-250, 250)
                    BlockD()
                  elif arrangement[1][1] == "Top left":
                    goto(-250, 500)
                    BlockD()
                  elif arrangement[1][1] == "Bottom right":
                    goto(0, 250)
                    BlockD()
                  elif arrangement[1][1] == "Top right":
                    goto(0, 500)
                    BlockD()
                elif arrangement[1][2] == "Left":
                  setheading (180)
                  if arrangement[1][1] == "Bottom left":
                    goto(0, 250)
```

elif arrangement[1][1] == "Bottom right":

```
elif arrangement[1][1] == "Top left":
                  goto (0, 500)
                  BlockD()
                elif arrangement[1][1] == "Bottom right":
                  goto (250, 250)
                  BlockD()
                elif arrangement[1][1] == "Top right":
                  goto (250, 500)
                  BlockD()
               elif arrangement[1][2] == "Right":
                setheading(0)
                if arrangement[1][1] == "Bottom left":
                  qoto(-250, 0)
                  BlockD()
                elif arrangement[1][1] == "Top left":
                  goto (-250, 250)
                  BlockD()
                elif arrangement[1][1] == "Bottom right":
                  goto(0, 0)
                  BlockD()
                elif arrangement[1][1] == "Top right":
                  goto (0, 250)
                  BlockD()
   else:
        pass
----#############
########## # ----- IF ARRANGEMENT[2] -----
----############
######----- ARRANGEMENT[2] for BLOCK A -----######
   if len(arrangement) >= 3:
       if arrangement[2][0] == "Block A":
               if arrangement[2][2] == "Up":
                setheading (90)
                if arrangement[2][1] == "Bottom left":
                  goto(0, 0)
                  BlockA()
                elif arrangement[2][1] == "Top left":
                  goto(0, 250)
                  BlockA()
                elif arrangement[2][1] == "Bottom right":
                  goto (250, 0)
                  BlockA()
                elif arrangement[2][1] == "Top right":
                  goto (250, 250)
                  BlockA()
               elif arrangement[2][2] == "Down":
                setheading(270)
                if arrangement[2][1] == "Bottom left":
                  goto (-250, 250)
                  BlockA()
                elif arrangement[2][1] == "Top left":
                  goto(-250, 500)
```

BlockD()

```
elif arrangement[2][1] == "Bottom right":
                    goto (0, 250)
                    BlockA()
                  elif arrangement[2][1] == "Top right":
                    goto(0, 500)
                    BlockA()
                elif arrangement[2][2] == "Left":
                  setheading (180)
                  if arrangement[2][1] == "Bottom left":
                    goto (0, 250)
                    BlockA()
                  elif arrangement[2][1] == "Top left":
                    goto (250, 500)
                    BlockA()
                  elif arrangement[2][1] == "Bottom right":
                    goto (250, 250)
                    BlockA()
                  elif arrangement[2][1] == "Top right":
                    goto (250, 500)
                    BlockA()
                elif arrangement[2][2] == "Right":
                  setheading(0)
                  if arrangement[2][1] == "Bottom left":
                    goto(-250, 0)
                    BlockA()
                  elif arrangement[2][1] == "Top left":
                    goto (-250, 250)
                    BlockA()
                  elif arrangement[2][1] == "Bottom right":
                    goto(0, 0)
                    BlockA()
                  elif arrangement[2][1] == "Top right":
                    goto(0, 250)
######----- ARRANGEMENT[2] for BLOCK B -----######
        elif arrangement[2][0] == "Block B":
                if arrangement[2][2] == "Up":
                  setheading (90)
                  if arrangement[2][1] == "Bottom left":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[2][1] == "Top left":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[2][1] == "Bottom right":
                    goto (250, 0)
                    BlockB()
                  elif arrangement[2][1] == "Top right":
                    goto (250, 250)
                    BlockB()
                elif arrangement[2][2] == "Down":
                  setheading (270)
                  if arrangement[2][1] == "Bottom left":
                    goto(-250, 250)
```

BlockA()

```
elif arrangement[2][1] == "Top left":
                    goto(-250, 500)
                    BlockB()
                  elif arrangement[2][1] == "Bottom right":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[2][1] == "Top right":
                    goto(0, 500)
                    BlockB()
                elif arrangement[2][2] == "Left":
                  setheading (180)
                  if arrangement[2][1] == "Bottom left":
                    qoto(0, 250)
                    BlockB()
                  elif arrangement[2][1] == "Top left":
                    goto(0, 500)
                    BlockB()
                  elif arrangement[2][1] == "Bottom right":
                    goto (250, 250)
                    BlockB()
                  elif arrangement[2][1] == "Top right":
                    goto (250, 500)
                    BlockB()
                elif arrangement[2][2] == "Right":
                  setheading(0)
                  if arrangement[2][1] == "Bottom left":
                    qoto(-250, 0)
                    BlockB()
                  elif arrangement[2][1] == "Top left":
                    goto(-250, 250)
                    BlockB()
                  elif arrangement[2][1] == "Bottom right":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[2][1] == "Top right":
                    goto(0, 250)
                    BlockB()
######----- ARRANGEMENT[2] for BLOCK C -----######
        elif arrangement[2][0] == "Block C":
                if arrangement[2][2] == "Up":
                  setheading (90)
                  if arrangement[2][1] == "Bottom left":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[2][1] == "Top left":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[2][1] == "Bottom right":
                    goto(250, 0)
                    BlockC()
                  elif arrangement[2][1] == "Top right":
                    goto (250, 250)
                    BlockC()
```

BlockB()

```
setheading (270)
                  if arrangement[2][1] == "Bottom left":
                    goto(-250, 250)
                    BlockC()
                  elif arrangement[2][1] == "Top left":
                    goto (-250, 500)
                    BlockC()
                  elif arrangement[2][1] == "Bottom right":
                    goto (0, 250)
                    BlockC()
                  elif arrangement[2][1] == "Top right":
                    goto(0, 500)
                    BlockC()
                elif arrangement[2][2] == "Left":
                  setheading (180)
                  if arrangement[2][1] == "Bottom left":
                    goto (0, 250)
                    BlockC()
                  elif arrangement[2][1] == "Top left":
                    goto (250, 500)
                    BlockC()
                  elif arrangement[2][1] == "Bottom right":
                    goto (250, 250)
                    BlockC()
                  elif arrangement[2][1] == "Top right":
                    goto(250, 500)
                    BlockC()
                elif arrangement[2][2] == "Right":
                  setheading(0)
                  if arrangement[2][1] == "Bottom left":
                    goto(-250, 0)
                    BlockC()
                  elif arrangement[2][1] == "Top left":
                    goto(-250, 250)
                    BlockC()
                  elif arrangement[2][1] == "Bottom right":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[2][1] == "Top right":
                    goto(0, 250)
                    BlockC()
#######----- ARRANGEMENT[2] for BLOCK D -----######
        elif arrangement[2][0] == "Block D":
                if arrangement[2][2] == "Up":
                  setheading (90)
                  if arrangement[2][1] == "Bottom left":
                    goto(0, 0)
                    BlockD()
                  elif arrangement[2][1] == "Top left":
                    goto (0, 250)
                    BlockD()
                  elif arrangement[2][1] == "Bottom right":
                    goto(250, 0)
```

elif arrangement[2][2] == "Down":

```
elif arrangement[2][1] == "Top right":
                 goto (250, 250)
                 BlockD()
              elif arrangement[2][2] == "Down":
                setheading(270)
                if arrangement[2][1] == "Bottom left":
                 goto(-250, 250)
                 BlockD()
                elif arrangement[2][1] == "Top left":
                 goto(-250, 500)
                 BlockD()
                elif arrangement[2][1] == "Bottom right":
                 goto(0, 250)
                 BlockD()
                elif arrangement[2][1] == "Top right":
                 goto(0, 500)
                 BlockD()
              elif arrangement[2][2] == "Left":
                setheading (180)
                if arrangement[2][1] == "Bottom left":
                 goto (0, 250)
                 BlockD()
                elif arrangement[2][1] == "Top left":
                 goto(0, 500)
                 BlockD()
                elif arrangement[2][1] == "Bottom right":
                 goto (250, 250)
                 BlockD()
                elif arrangement[2][1] == "Top right":
                 goto (250, 500)
                 BlockD()
              elif arrangement[2][2] == "Right":
                setheading(0)
                if arrangement[2][1] == "Bottom left":
                 goto(-250, 0)
                 BlockD()
                elif arrangement[2][1] == "Top left":
                 goto(-250, 250)
                 BlockD()
                elif arrangement[2][1] == "Bottom right":
                 goto(0, 0)
                 BlockD()
                elif arrangement[2][1] == "Top right":
                 goto (0, 250)
                 BlockD()
   else:
       pass
----############
----############
######---- ARRANGEMENT[3] for BLOCK A ----######
```

BlockD()

```
if len(arrangement) >= 4:
    if arrangement[3][0] == "Block A":
      if arrangement[3][2] == "Up":
        setheading(90)
        if arrangement[3][1] == "Bottom left":
          goto(0, 0)
          BlockA()
        elif arrangement[3][1] == "Top left":
          goto (0, 250)
          BlockA()
        elif arrangement[3][1] == "Bottom right":
          goto(250, 0)
          BlockA()
        elif arrangement[3][1] == "Top right":
          goto(250, 250)
          BlockA()
      elif arrangement[3][2] == "Down":
        setheading(270)
        if arrangement[3][1] == "Bottom left":
          goto(-250, 250)
          BlockA()
        elif arrangement[3][1] == "Top left":
          goto(-250, 500)
          BlockA()
        elif arrangement[3][1] == "Bottom right":
          goto(0, 250)
          BlockA()
        elif arrangement[3][1] == "Top right":
          goto(0, 500)
          BlockA()
      elif arrangement[3][2] == "Left":
        setheading (180)
        if arrangement[3][1] == "Bottom left":
          goto(0, 250)
          BlockA()
        elif arrangement[3][1] == "Top left":
          goto(250, 500)
          BlockA()
        elif arrangement[3][1] == "Bottom right":
          goto (250, 250)
          BlockA()
        elif arrangement[3][1] == "Top right":
          goto(250, 500)
          BlockA()
      elif arrangement[3][2] == "Right":
        setheading(0)
        if arrangement[3][1] == "Bottom left":
          goto(-250, 0)
          BlockA()
        elif arrangement[3][1] == "Top left":
          goto(-250, 250)
          BlockA()
        elif arrangement[3][1] == "Bottom right":
          goto(0, 0)
          BlockA()
```

```
elif arrangement[3][1] == "Top right":
              goto(0, 250)
              BlockA()
######----- ARRANGEMENT[3] for BLOCK B -----######
        elif arrangement[3][0] == "Block B":
                if arrangement[3][2] == "Up":
                  setheading (90)
                  if arrangement[3][1] == "Bottom left":
                    aoto(0, 0)
                    BlockB()
                  elif arrangement[3][1] == "Top left":
                    goto (0, 250)
                    BlockB()
                  elif arrangement[3][1] == "Bottom right":
                    goto(250, 0)
                    BlockB()
                  elif arrangement[3][1] == "Top right":
                    goto (250, 250)
                    BlockB()
                elif arrangement[3][2] == "Down":
                  setheading (270)
                  if arrangement[3][1] == "Bottom left":
                    goto(-250, 250)
                    BlockB()
                  elif arrangement[3][1] == "Top left":
                    goto(-250, 500)
                    BlockB()
                  elif arrangement[3][1] == "Bottom right":
                    goto (0, 250)
                    BlockB()
                  elif arrangement[3][1] == "Top right":
                    goto(0, 500)
                    BlockB()
                elif arrangement[3][2] == "Left":
                  setheading(180)
                  if arrangement[3][1] == "Bottom left":
                    goto(0, 250)
                    BlockB()
                  elif arrangement[3][1] == "Top left":
                    goto(0, 500)
                    BlockB()
                  elif arrangement[3][1] == "Bottom right":
                    goto (250, 250)
                    BlockB()
                  elif arrangement[3][1] == "Top right":
                    goto(250, 500)
                    BlockB()
                elif arrangement[3][2] == "Right":
                  setheading(0)
                  if arrangement[3][1] == "Bottom left":
                    goto(-250, 0)
                    BlockB()
                  elif arrangement[3][1] == "Top left":
```

```
goto(-250, 250)
                    BlockB()
                  elif arrangement[3][1] == "Bottom right":
                    goto(0, 0)
                    BlockB()
                  elif arrangement[3][1] == "Top right":
                    goto (0, 250)
                    BlockB()
######----- ARRANGEMENT[3] for BLOCK C ----######
        elif arrangement[3][0] == "Block C":
                if arrangement[3][2] == "Up":
                  setheading (90)
                  if arrangement[3][1] == "Bottom left":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[3][1] == "Top left":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[3][1] == "Bottom right":
                    goto (250, 0)
                    BlockC()
                  elif arrangement[3][1] == "Top right":
                    goto(250, 250)
                    BlockC()
                elif arrangement[3][2] == "Down":
                  setheading(270)
                  if arrangement[3][1] == "Bottom left":
                    goto (-250, 250)
                    BlockC()
                  elif arrangement[3][1] == "Top left":
                    goto(-250, 500)
                    BlockC()
                  elif arrangement[3][1] == "Bottom right":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[3][1] == "Top right":
                    goto(0, 500)
                    BlockC()
                elif arrangement[3][2] == "Left":
                  setheading (180)
                  if arrangement[3][1] == "Bottom left":
                    goto(0, 250)
                    BlockC()
                  elif arrangement[3][1] == "Top left":
                    goto (250, 500)
                    BlockC()
                  elif arrangement[3][1] == "Bottom right":
                    goto (250, 250)
                    BlockC()
                  elif arrangement[3][1] == "Top right":
                    goto (250, 500)
                    BlockC()
                elif arrangement[3][2] == "Right":
```

```
setheading(0)
                  if arrangement[3][1] == "Bottom left":
                    goto(-250, 0)
                    BlockC()
                  elif arrangement[3][1] == "Top left":
                    goto (-250, 250)
                    BlockC()
                  elif arrangement[3][1] == "Bottom right":
                    goto(0, 0)
                    BlockC()
                  elif arrangement[3][1] == "Top right":
                    goto(0, 250)
                    BlockC()
######---- ARRANGEMENT[3] for BLOCK D -----######
        elif arrangement[3][0] == "Block D":
                if arrangement[3][2] == "Up":
                  setheading (90)
                  if arrangement[3][1] == "Bottom left":
                    goto(0, 0)
                    BlockD()
                  elif arrangement[3][1] == "Top left":
                    goto (0, 250)
                    BlockD()
                  elif arrangement[3][1] == "Bottom right":
                    goto (250, 0)
                    BlockD()
                  elif arrangement[3][1] == "Top right":
                    goto (250, 250)
                    BlockD()
                elif arrangement[3][2] == "Down":
                  setheading (270)
                  if arrangement[3][1] == "Bottom left":
                    goto (-250, 250)
                    BlockD()
                  elif arrangement[3][1] == "Top left":
                    goto(-250, 500)
                    BlockD()
                  elif arrangement[3][1] == "Bottom right":
                    goto(0, 250)
                    BlockD()
                  elif arrangement[3][1] == "Top right":
                    goto(0, 500)
                    BlockD()
                elif arrangement[3][2] == "Left":
                  setheading (180)
                  if arrangement[3][1] == "Bottom left":
                    goto(0, 250)
                    BlockD()
                  elif arrangement[3][1]== "Top left":
                    goto(0, 500)
                    BlockD()
                  elif arrangement[3][1] == "Bottom right":
                    goto (250, 250)
                    BlockD()
                  elif arrangement[3][1] == "Top right":
```

```
goto(250, 500)
                 BlockD()
             elif arrangement[3][2] == "Right":
               setheading(0)
               if arrangement[3][1] == "Bottom left":
                 goto(-250, 0)
                 BlockD()
               elif arrangement[3][1] == "Top left":
                 goto (-250, 250)
                 BlockD()
               elif arrangement[3][1] == "Bottom right":
                 goto(0, 0)
                 BlockD()
               elif arrangement[3][1] == "Top right":
                 goto(0, 250)
                 BlockD()
   else:
      pass
########## | ###### | ---------END OF IF ARRANGEMENT [3] ---------
----############
#----#
#----Main Program-----#
\# This main program sets up the background, ready for you to start
# drawing your jigsaw pieces. Do not change any of this code except
# where indicated by comments marked '****'.
# Set up the drawing canvas
create drawing canvas()
# Control the drawing speed
# **** Modify the following argument if you want to adjust
# **** the drawing speed
speed('fastest')
# Decide whether or not to show the drawing being done step-by-step
# ***** Set the following argument to False if you don't want to wait
# **** while the cursor moves around the screen
tracer(True)
# Give the window a title
# ***** Replace this title with one that describes the picture
# ***** produced by stacking your blocks correctly
title('The Avengers')
# Display the corner and centre coordinates of the places where
```