**Introduction**

Imaging having a simple grid and a simple robot pen that will obey your control given the following functions:

* **drawLineDown**(length)

  This function draws a vertical line of the given length, starting from the current position and going down. The current position is NOT changed. (after drawing, the pen point goes back to where it was before it drew the line).

* **drawLineRight**(length)

  This function draws a horizontal line of the given length, starting from the current position and going right. The current position is NOT changed.

* **moveRight**(distance)

  This function moves the current position distance units to the right.

* **moveLeft**(distance)

  This function moves the current position distance units to the left.

* **moveUp**(distance)

  This function moves the current position distance units up.

* **moveDown**(distance)

  This function moves the current position distance units down.
1. Consider the following code and draw the picture that corresponds to it.

drawLineDown(7);
moveDown(3);
drawLineRight(2);
moveUp(3);
moveRight(2);
drawLineDown(7);
moveRight(2);
drawLineRight(2);
movedRight(1);
drawLineDown(7);
moveLeft(1);
moveDown(7);
drawLineRight(2);
2. Consider the picture shown below. Write a pseudo-code to generate this picture.

3. Consider the picture shown below. Write a pseudo-code to generate this picture. Probably you should think about using loops to make your life a little easier in writing this code.

4. Hopefully at this moment, you get really mad and wonder why you were not given some function like `drawSquare()` to “draw” all these pictures!