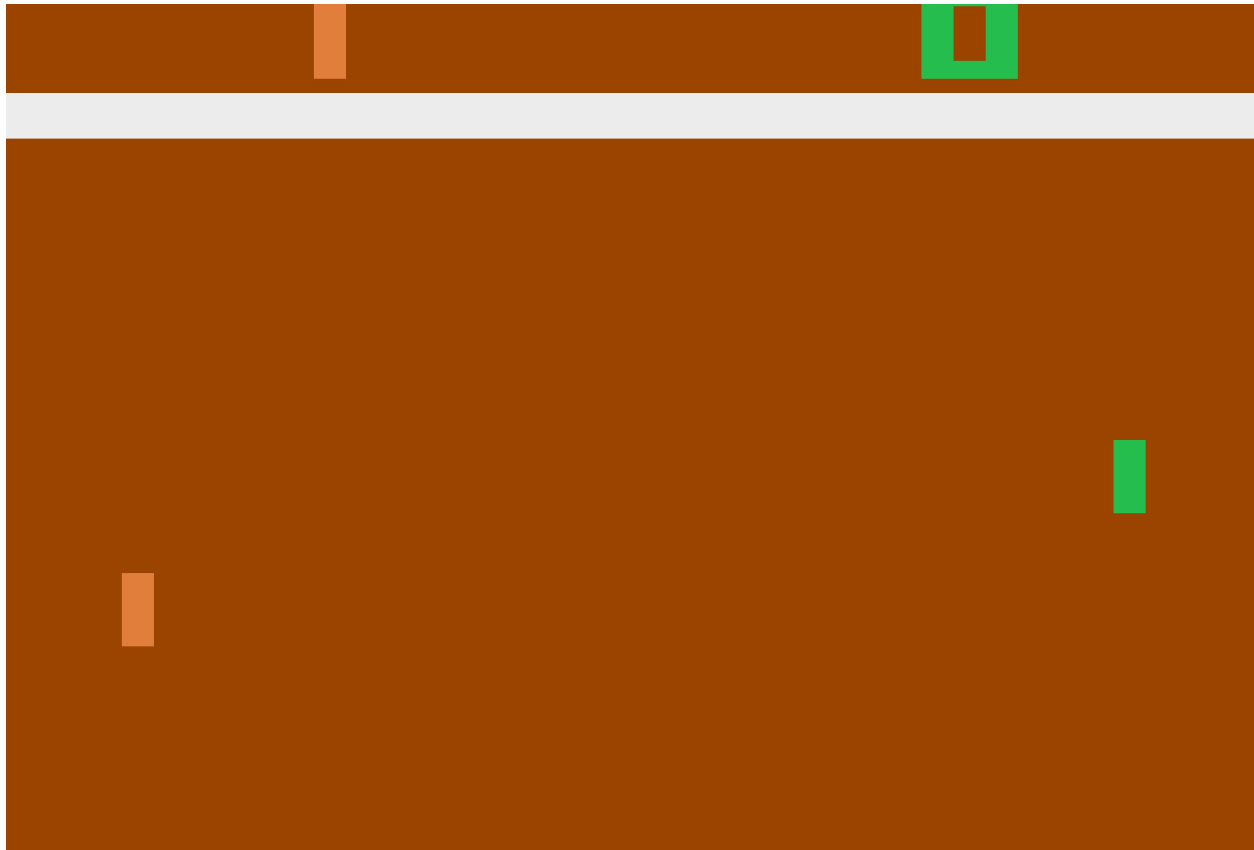


Homework #08

Using the game pong from Atari, you will develop a DNN to detect the center position of the left and right pads. I recommend that you inspect the state of the game to visualize where the pads are located.



The recommended approach should be:

1. Visualize using some games where to get the position of the pad from the image and the size of the pads.
2. Generate random data that creates the pads in several positions
3. Train the neural networks to generate the positions (it may be a good idea to normalize the position – height between 0 and 1)
4. Play some random games and check if your DNNs can detect the position

Collect some data points, and use a KAN network to extract the behavior of the system:

<https://github.com/mintisan/awesome-kan>

How would you combine KAN network with neurosymbolic to synthesize a program?