1a: (1188,)

1b: X\_train = (100, 1188). Y\_train = (100, 1)

1d: after lowering the threshold to .9, there was a false positive on image d5. And then it got three of the five pictures with the car correct. It couldn’t handle the picture with the car rotated, and the one were it is further away with the foot in the frame.

To improve the performance of the detector the first thing I would do is run multiple windows of different sizes

2a: accuracy on training data = 98.35

2b: accuracy on testing data = 87.26S **HOW CAN IT BE ENHANCED**