For project3, since the first layer had settled, limited improvement we can achieve.

I have tried different ways to train the model.

1. I tried to change the filter of *layer\_cnn0* to 256 and disabled the second *layer\_pool2x2* which use only *layer\_pool4x4*. At the same time, I adjusted the dropout rate from 0.75 down to 0.25. Somehow shows the smaller number I used, the better result I got. The accuracy is around 0.8900.
2. Then I searched online for more suggestions. Before that, I try to run two cnn layers while it gave me error on that. Finally, I found out I need to add *padding = "same"* for cnn layers. So my second version is to have two cnn layers and two max-pool layers. Same here, I changed the dropout rate to 0.25 which gave me the best result so far. The accuracy is around 0.91.