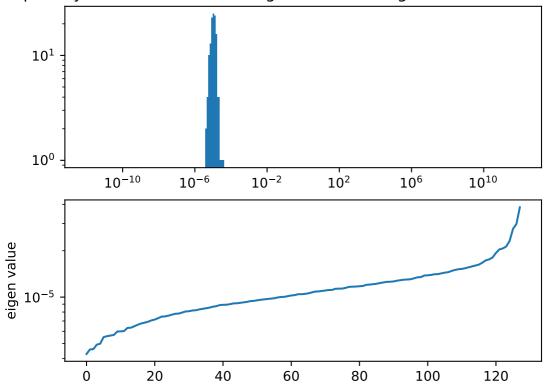
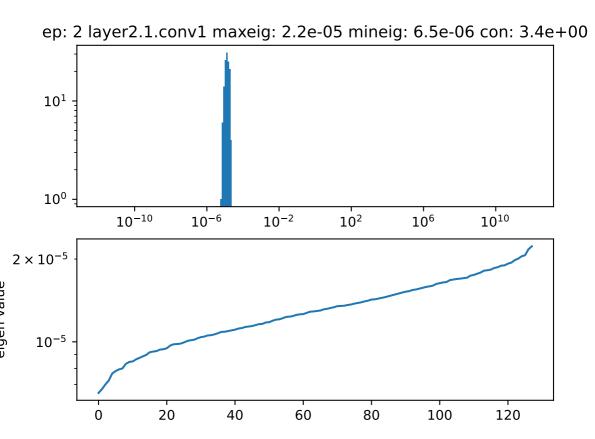
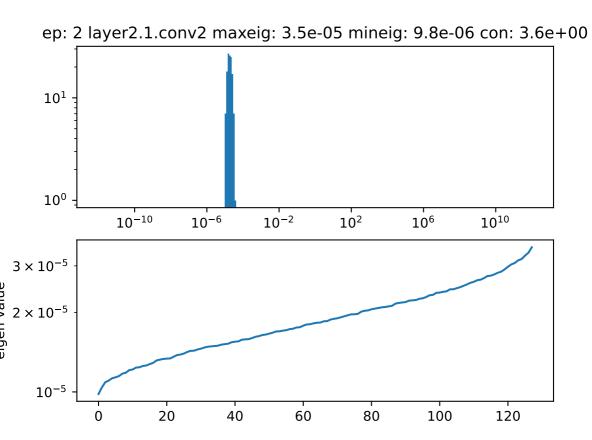
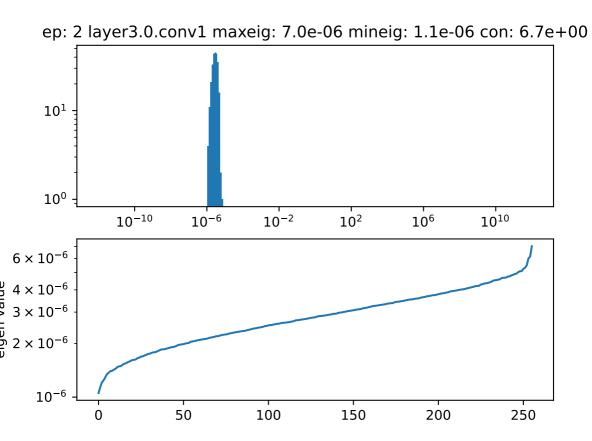


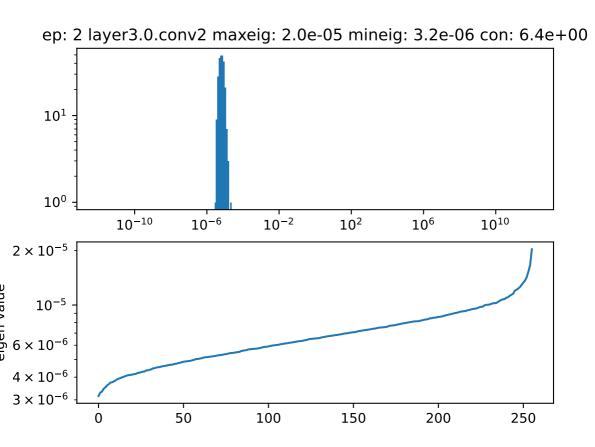
ep: 2 layer2.0.shortcut.0 maxeig: 3.8e-05 mineig: 4.3e-06 con: 8.9e+00











ep: 2 layer3.0.shortcut.0 maxeig: 2.5e-05 mineig: 6.9e-07 con: 3.6e+01  $10^{1}$ 10<sup>0</sup> 1010 10<sup>-10</sup> 10<sup>2</sup> 10<sup>6</sup>  $10^{-6}$  $10^{-2}$ eigen value 10<sup>-2</sup>  $10^{-6}$ 

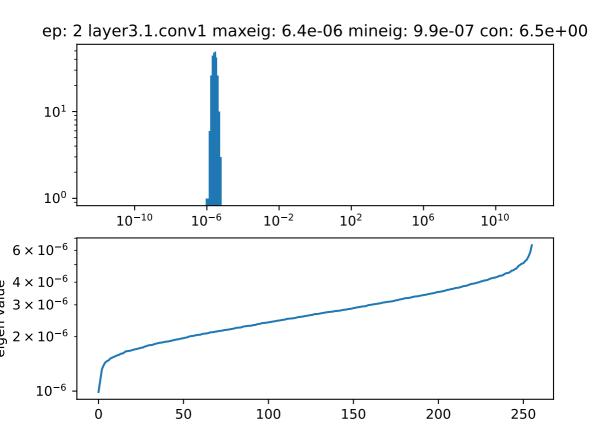
100

150

200

250

50

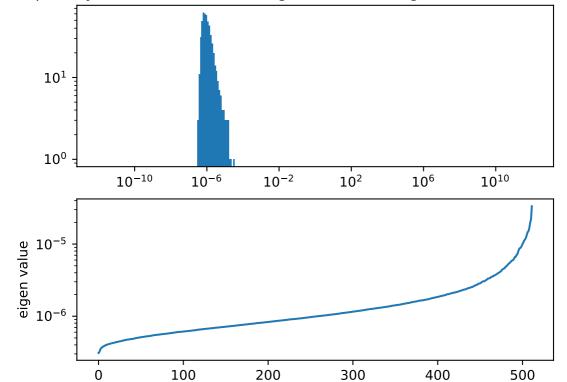


ep: 2 layer3.1.conv2 maxeig: 2.3e-05 mineig: 1.9e-06 con: 1.2e+01  $10^{1}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup> 10-6 10-2 10<sup>6</sup> eigen value 10<sup>-5</sup> 250 50 100 150 200

ep: 2 layer4.0.conv1 maxeig: 7.4e-06 mineig: 1.2e-07 con: 6.1e+01  $10^{1}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup>  $10^{-6}$ 10-2 10<sup>6</sup> eigen value  $10^{-7}$ 100 500 200 300 400

ep: 2 layer4.0.conv2 maxeig: 3.4e-05 mineig: 6.1e-07 con: 5.7e+01 10<sup>1</sup> 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup> 10-6 10-2 10<sup>6</sup> 10<sup>-5</sup> eigen value  $10^{-6}$ 100 500 200 300 400

ep: 2 layer4.0.shortcut.0 maxeig: 3.3e-05 mineig: 3.1e-07 con: 1.1e+02



ep: 2 layer4.1.conv1 maxeig: 1.9e-05 mineig: 1.7e-07 con: 1.1e+02 10<sup>1</sup> 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup>  $10^{-6}$ 10-2 10<sup>6</sup> 10<sup>-5</sup> eigen value 100 500 200 300 400

ep: 2 layer4.1.conv2 maxeig: 6.5e-05 mineig: 1.9e-07 con: 3.5e+02  $10^{1}$ 10<sup>0</sup> 10<sup>10</sup> 10-10 10<sup>2</sup>  $10^{-6}$ 10-2 10<sup>6</sup> eigen value 10<sup>-5</sup> 10<sup>-5</sup> 100 500 200 300 400

