URL

Training models are from https://github.com/junyanz/pytorch-CycleGAN-and-pix2pix?tab=readme-ov-file and https://github.com/affinelayer/pix2pix-tensorflow.

CycleGAN datasets are from http://efrosgans.eecs.berkeley.edu/cyclegan/datasets/.

Pix2Pix datasets are from http://efrosgans.eecs.berkeley.edu/pix2pix/datasets/.

Steps to run CycleGAN:

1.Download the CycleGAN dataset from http://efrosgans.eecs.berkeley.edu/cyclegan/datasets/ (the dataset already contains some data).
2.Run pip install visdom in the terminal and then run python -m visdom.server to activate it for observing training progress.
3.Run python train.py --dataroot ./datasets/facadesforGAN --name facadesforGAN_cyclegan --model cycle_gan in the terminal to start training.
4.Run python test.py --dataroot ./datasets/facadesforGAN --name facadesforGAN_cyclegan --model cycle_gan in the terminal to start testing.

Steps to run Pix2Pix:

1.Download the Pix2Pix dataset from http://efrosgans.eecs.berkeley.edu/pix2pix/datasets (the dataset already contains some data).
2.Run pip install visdom in the terminal and then run python -m visdom.server to activate it for observing training progress.
3.Run python train.py --dataroot ./datasets/dataforP2P --name dataforP2P_pix2pix --model pix2pix --direction BtoA in the terminal to start training.
4.Run python test.py --dataroot ./datasets/dataforP2P --name dataforP2P_pix2pix --model pix2pix --direction BtoA in the terminal to start testing.

The dataset of CycleGAN

./datasets/facadesforGAN

The dataset of Pix2Pix

./datasets/dataforP2P

 # Training intermediates generated during training of CycleGAN

./checkpoints/facadesforGAN_cyclegan

 # Training intermediates generated during training of Pix2Pix

./checkpoints/dataforP2P_pix2pix

 # Training results of CycleGAN

./result/facadesforGAN_cyclegan

 # Training modle

./train.py

 # Test modle

./test.py