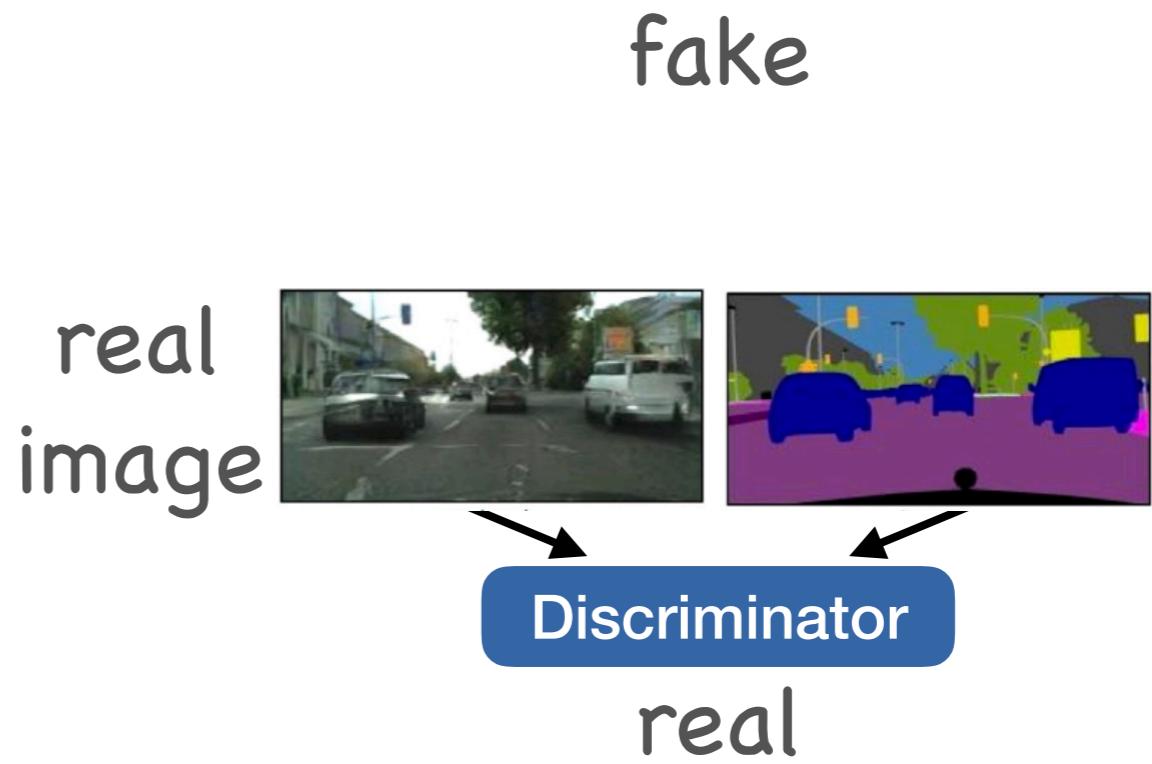
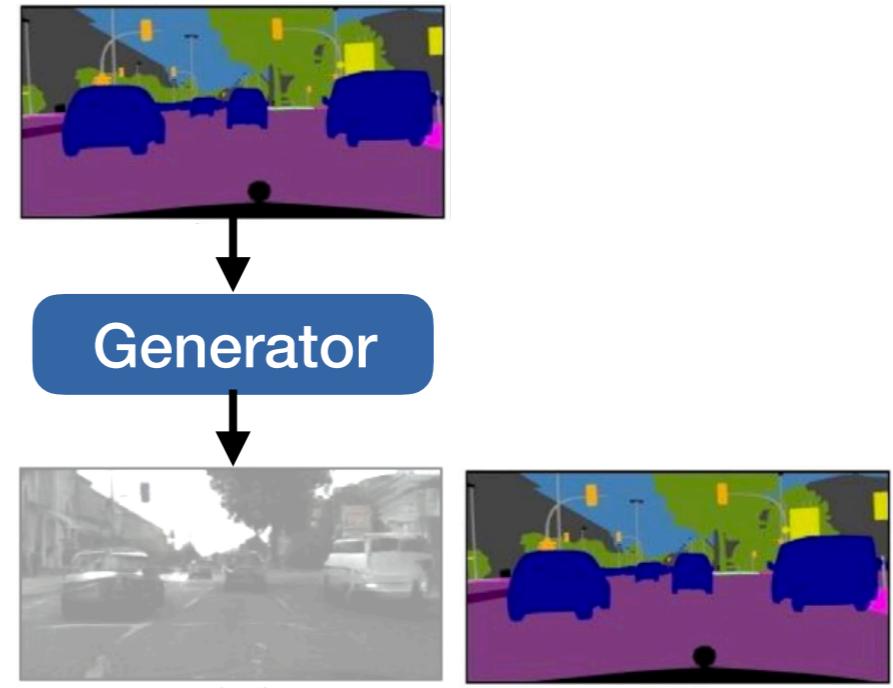


CycleGAN

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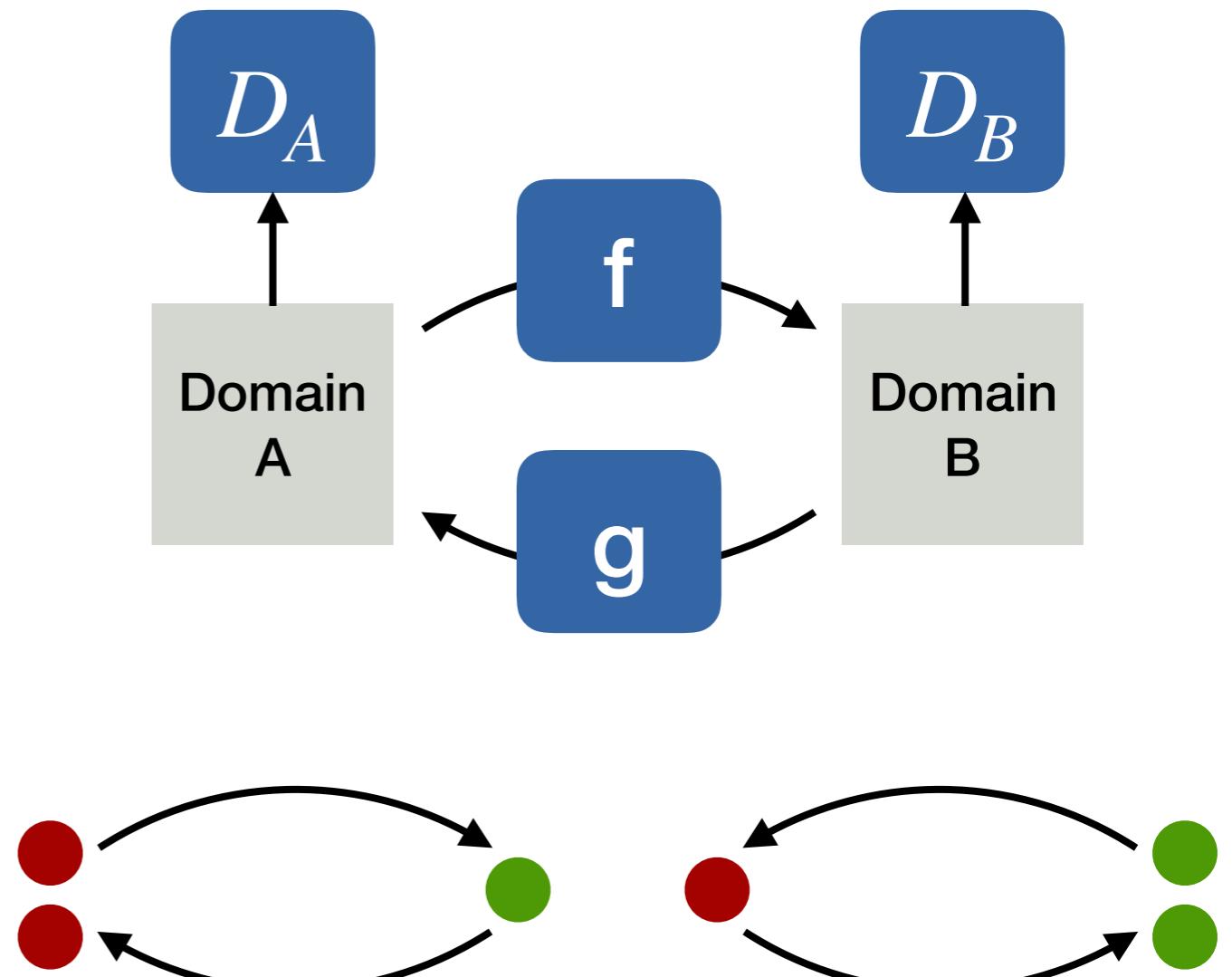
Pix2Pix

- Translates images from paired input / output data
- How do we this without pairing?



CycleGAN

- Train two networks f and g
 - Map between domains
- Loss
 - GAN
 - Reconstruction



Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks, Zhu et al., ICCV 2017

What does CycleGAN do?

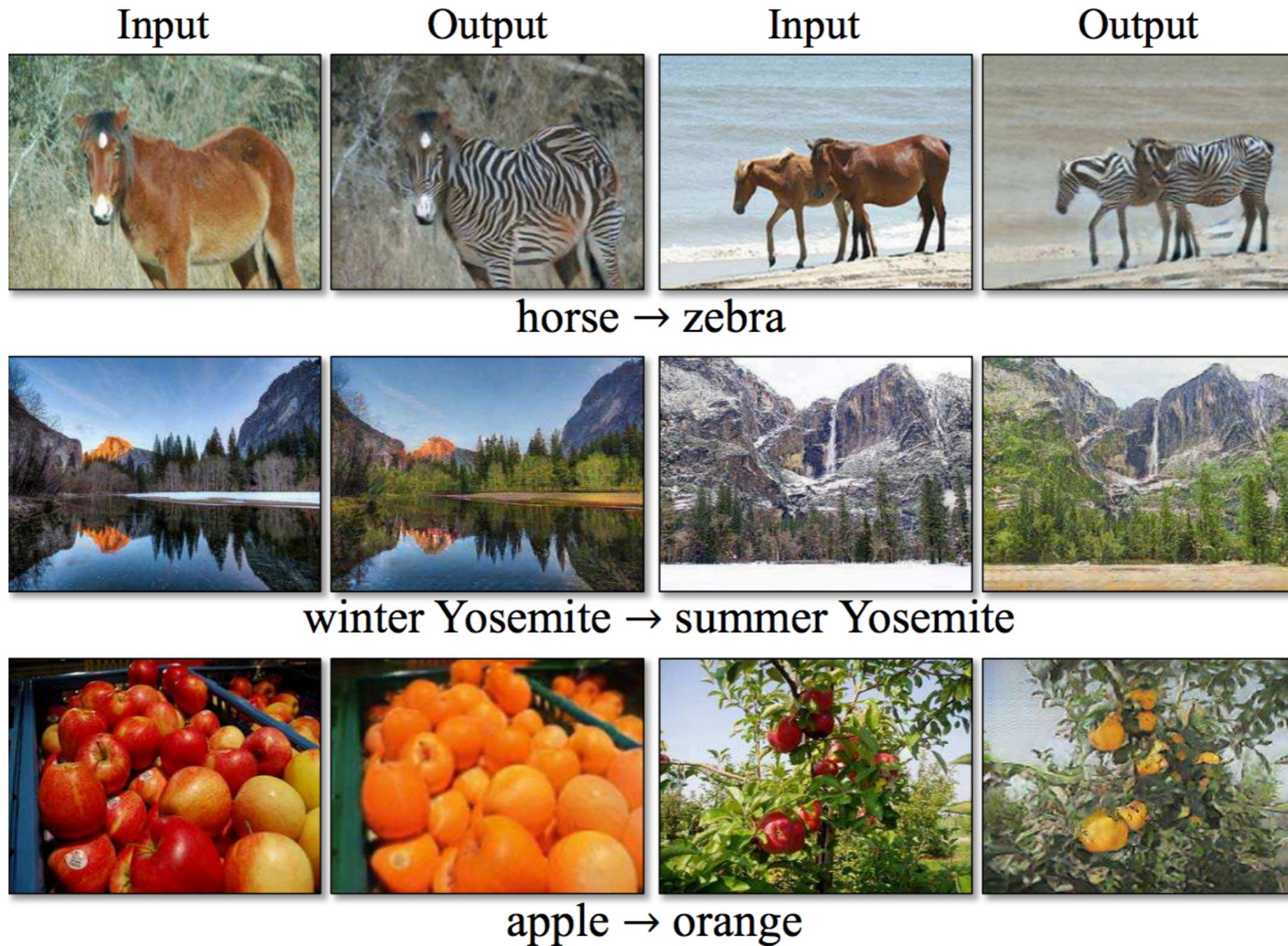


Figure source: Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks,
Zhu et al., ICCV 2017

What does CycleGAN do?

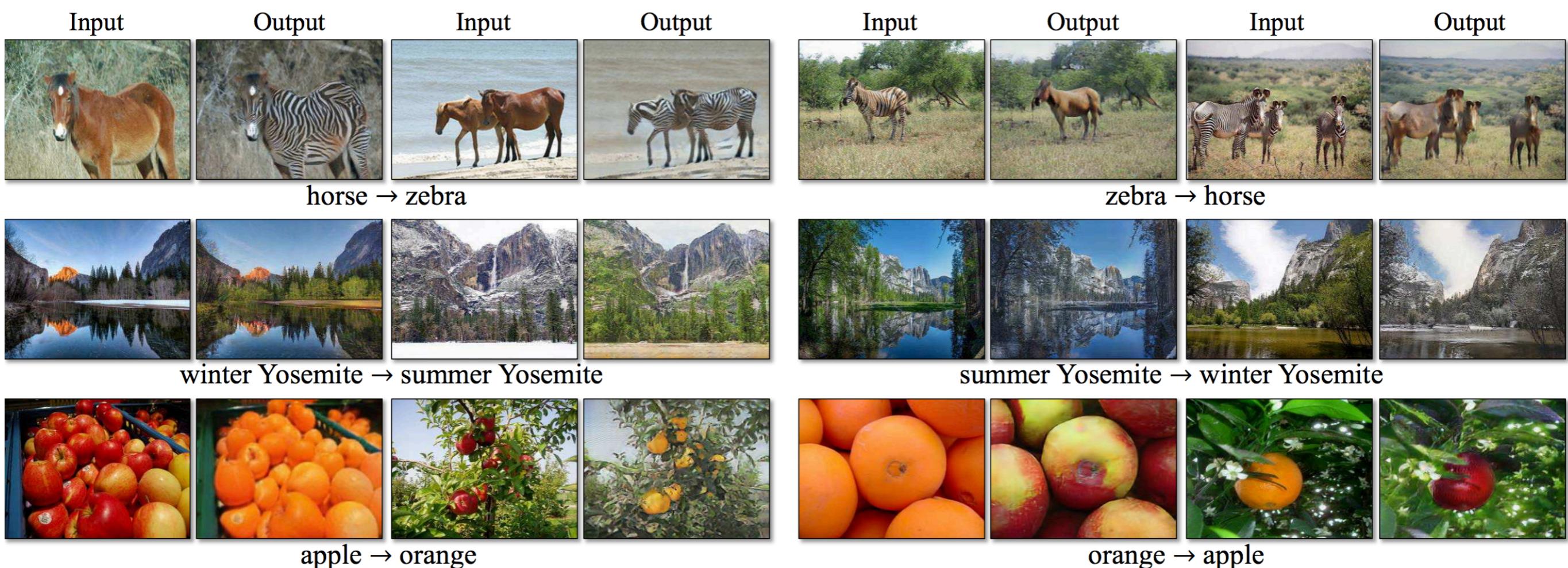


Figure source: Unpaired Image-to-Image Translation using Cycle-Consistent Adversarial Networks,
Zhu et al., ICCV 2017

Why does it work?

- Why learn the right mapping?
 - Simplest mapping

