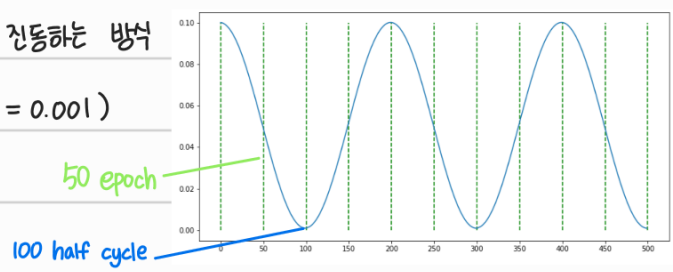


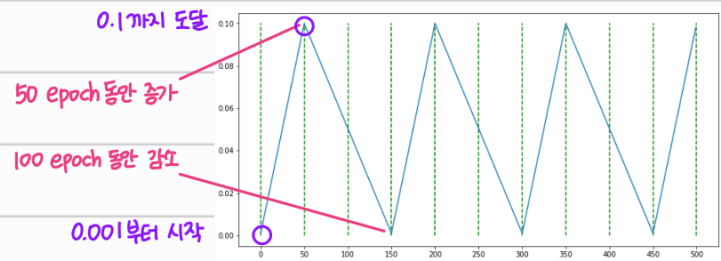
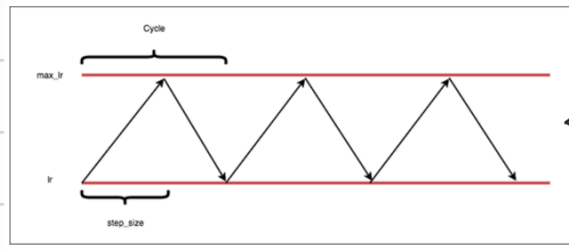
① Cosine Annealing LR : cosine 그래프를 그리면서 learning rate 가 진동하는 방식

> Scheduler = CosineAnnealingLR (optimizer, T\_max=100, eta\_min = 0.001)

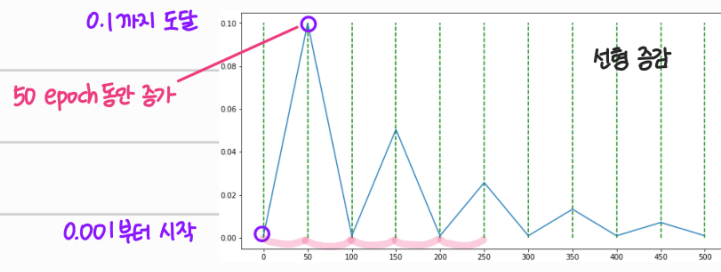
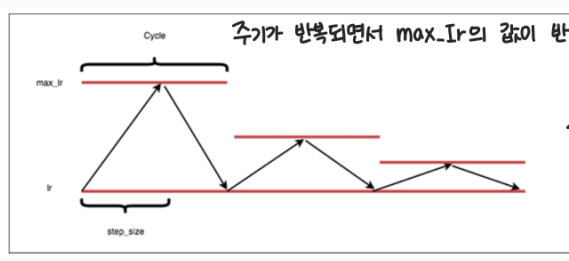


② Cyclic LR : 3가지 모드를 사용하면서 변화된 형태로 주기적인 learning rate 증감을 사용하는 방식

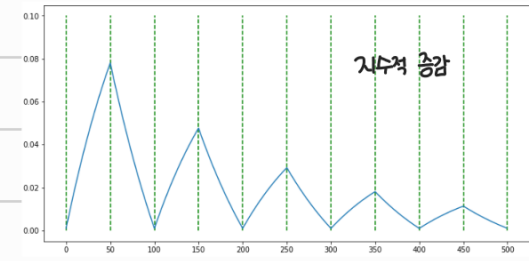
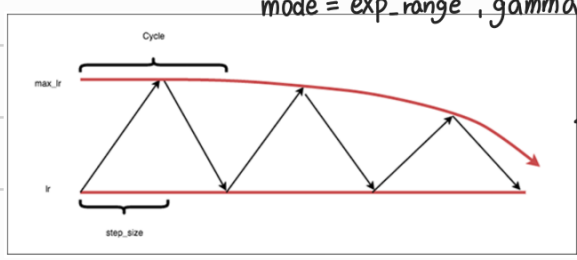
> Scheduler = CyclicLR (optimizer, base\_lr = 0.001, max\_lr = 0.1, step\_size\_up = 50, step\_size\_down = 100, mode='triangular')



> Scheduler = CyclicLR (optimizer, base\_lr = 0.001, max\_lr = 0.1, step\_size\_up = 50, step\_size\_down = None, mode='triangular2')



> Scheduler = CyclicLR (optimizer, base\_lr = 0.001, max\_lr = 0.1, step\_size\_up = 50, step\_size\_down = None, mode='exp\_range', gamma = 0.995)



③ Exponential LR : 지수적으로 learning rate 가 감소하는 방식

> Scheduler = ExponentialLR (optimizer, gamma = 0.95)

