NFQ (offline)

Car Environment

```
• Setup 1 :
```

o nb_episodes: 10

o episodes_per_iter: 200

o evaluation_episodes: 10

o gamma: 0.99

o Ir: 0.001

hidden_layers: (5, 5)

○ Training Time: 544.59 seconds (~9min)

• Iterations to first success: 17

o model:nfq_car_model_10_ep.pkl

Pendulum Environment

• *Setup 1*:

o nb_episodes: 150

o episodes_per_iter: 5000

evaluation_episodes: 10

o gamma: 0.99

o Ir: 0.001

hidden_layers: (5, 5)

Training Time: 140.84 seconds (~2min30)

o model:nfq_pendulum_model_150_ep.pkl

DQN (online)

Car Environment

• *Setup 1*:

o nb_episodes: 500

o iterations_per_ep: 200

o target_network_update: 5

o gamma: 0.99

o Ir: 0.001

o hidden_layers: (5, 5)

o epsilon_decay: 0.9995

○ Training Time: 402.24 seconds (~7min)

o Iterations to first success: 17

o model:dqn_car_500_ep.pth

Pendulum Environment

• *Setup 1*:

o nb_episodes : 50000

o iterations_per_ep: 5000

o target_network_update : 5

o gamma: 0.99

o Ir: 0.001

hidden_layers: (5, 5)epsilon_decay: 0.9995

• Training Time: 305.56 seconds (~5min)

o model:dqn_pendulum_50000_ep.pth

Pendulum Environment