https://github.com/multicore-it/n

DQN 알고릭돌ith https://github.com/multico

3. 결과분석

https://github.com/multicore-lt/n

道业是Multicore-itlr/

로그분석

```
x = (input states)
                                                                                           모델 로그
x = Dense(self.node num, activation='relu')(x)
                                                                        icore-it/r/
out actions = Dense(self.action size, activation='linear', name='output')(x)
model = tf.keras.models.Model(inputs=[input_states], outputs=[out_actions])
model.compile(optimizer=Adam(lr=self.learning_rate),
            loss='mean squared error'
                                          Model: "model_2"
model.summary()
                                                                         Output Shape
                                          Layer (type)
                                                                                                      Param #
                                          input states (InputLayer)
                                                                       [(None, 1, 4)]
                                                                                                 0
                                                                                                  60
                                          dense 2 (Dense)
                                                                       (None, 1, 12)
                                          output (Dense)
                                                                       (None, 1, 2)
                                                                                                  26
                                          Total params: 86
                                          Trainable params: 86
```

Non-trainable params: 0

道**马**基本ulticore-itlr\

```
episode:180, moving avg:109.5, rewards avg:38.28729281767956
episode:190, moving_avg:92.85, rewards_avg:40.43979057591623
episode:200, moving_avg:84.45, rewards_avg:42.78109452736319
episode:210, moving avg:86.55, rewards avg:44.71563981042654
                                                            b.com/multicore-it/r/
episode:220, moving avg:99.85, rewards avg:47.8552036199095
episode:230, moving avg:118.2, rewards avg:50.99134199134199
episode:240, moving_avg:121.6, rewards_avg:53.892116182572614
episode:250, moving avg:115.15, rewards avg:56.02390438247012
episode:260, moving_avg:101.05, rewards_avg:57.42911877394636
episode:270, moving avg:69.45, rewards avg:56.94095940959409
episode:280, moving avg:31.1, rewards avg:55.48398576512456
episode:290, moving avg:15.9, rewards avg:54.05154639175258
episode:300, moving avg:65.1, rewards avg:56.056478405315616
episode:310, moving avg:118.9, rewards avg:58.157556270096464
episode:320, moving_avg:128.3, rewards_avg:60.495327102803735
episode:330, moving avg:112.6, rewards avg:61.38670694864048
episode:340, moving avg:55.2, rewards avg:60.12609970674487
episode:350, moving_avg:17.6, rewards_avg:58.83475783475784
episode:360, moving avg:18.8, rewards avg:57.78116343490305
episode:370, moving avg:20.5, rewards avg:56.714285714285715
episode:380, moving avg:18.45, rewards avg:55.664041994750654
episode:390, moving avg:16.55, rewards avg:54.608695652173914
episode:400, moving avg:12.55, rewards avg:53.46384039900249
episode:410, moving_avg:9.85, rewards_avg:52.38199513381995
episode: 420, moving avg: 9.8, rewards avg: 51.342042755344416
episode:430, moving avg:9.5, rewards avg:50.34570765661253
episode:440, moving_avg:9.35, rewards_avg:49.39229024943311
episode: 450, moving avg: 9.35, rewards avg: 48.48337028824834
episode: 460, moving avg: 9.4, rewards avg: 47.613882863340564
episode:470, moving_avg:9.6, rewards_avg:46.789808917197455
episode: 480, moving avg: 12.6, rewards avg: 46.11642411642411
episode: 490, moving avg: 12.65, rewards avg: 45.35845213849287
```

로그분석

학습 로그

https://github.com/multicore-it/r/

시각화

```
DQN 追引提件 *-- https://github.oc/
                                                                                  re-it|r
                                   시각화
                       import matplotlib.pyplot as plt
                       plt.figure(figsize=(10,5))
      (1) 그림 크기 지정
                       plt.plot(agent.reward_list, label='rewards')
      (2) 데이터 그리기
                       plt.plot(agent.moving avg_list, linewidth=4, label='moving average')
      (3) 범례 위치 지정
                       plt.legend(loc='upper left')
                                                                                  DQN
      (4) 그래프 제목 지정
                                                        200
                                                                                                          ore-it/r
                       plt.title('DON')
                                                              rewards
                                                              moving average
      (5) 그래프 출력
                                                        175
                       plt.show()
                                                        150
                                                        125
                                                         100
                                                         75
                                                         50
                                                         25
                                                                     100
                                                                              200
                                                                                       300
```