Algorithm template

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1 Demo code

Algorithm 1 DDQN Algorithm

1: *mario env Initialization*
2: **while** *episode ≤ episodes* **do**   ▷ episodes = 10000000
3:     *env reset*
4:     **while** True **do**   ▷ Play the game
5:         *action ← mario.act(state)*   ▷ Run agent on the state
6:         *nextstate, reward, done, trunc, info ← env.step(action)*
7:         *mario.cache(state, nextstate, action, reward, done)*
8:         *q, loss ← mario.learn*   ▷ learn with DDQN
9:         *state ← nextstate*   ▷ update state