

PROBLEM 2:

DQN Model:

BATCH_SIZE = 128

GAMMA = 0.999

EPS_START = 0.9

EPS_END = 0.05

EPS_DECAY = 2000

TARGET_UPDATE = 10

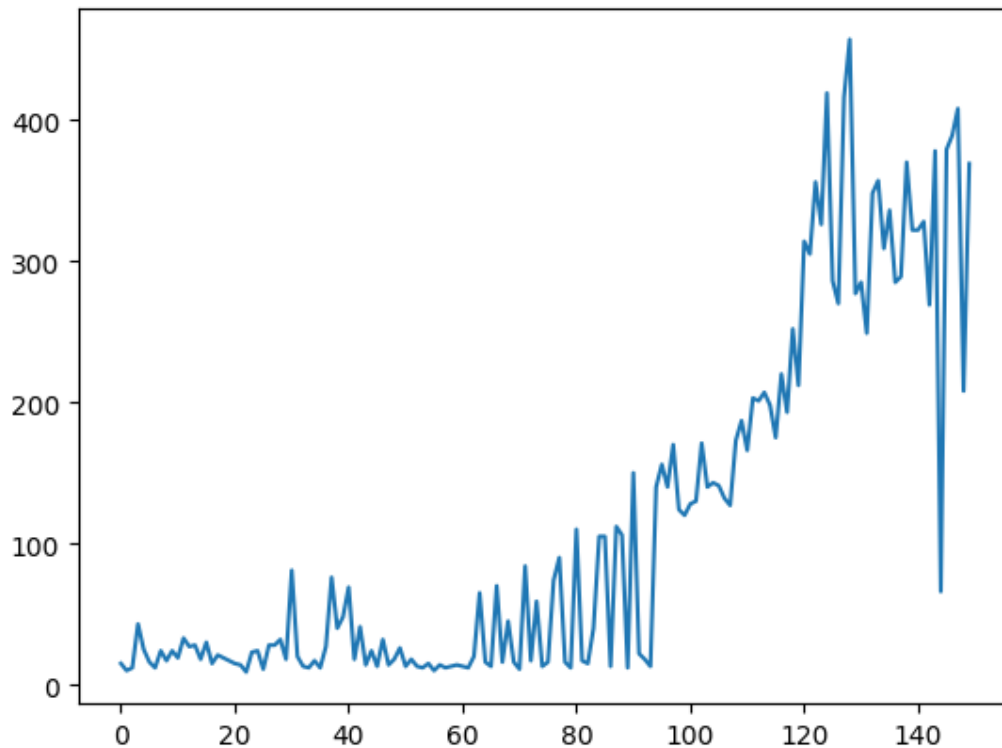
MEMORY_CAPACITY = 10000

optimizer = optim.RMS(policy_net.parameters(), lr=0.0025)

loss_fn = nn.SmoothL1Loss()

num_episodes = 150

For the final 10 test environments, the times that occurred are above **380** for all the 10 ten environments.



Double DQN Model:

BATCH_SIZE = 128

GAMMA = 0.999

EPS_START = 0.9

EPS_END = 0.05

EPS_DECAY = 2000

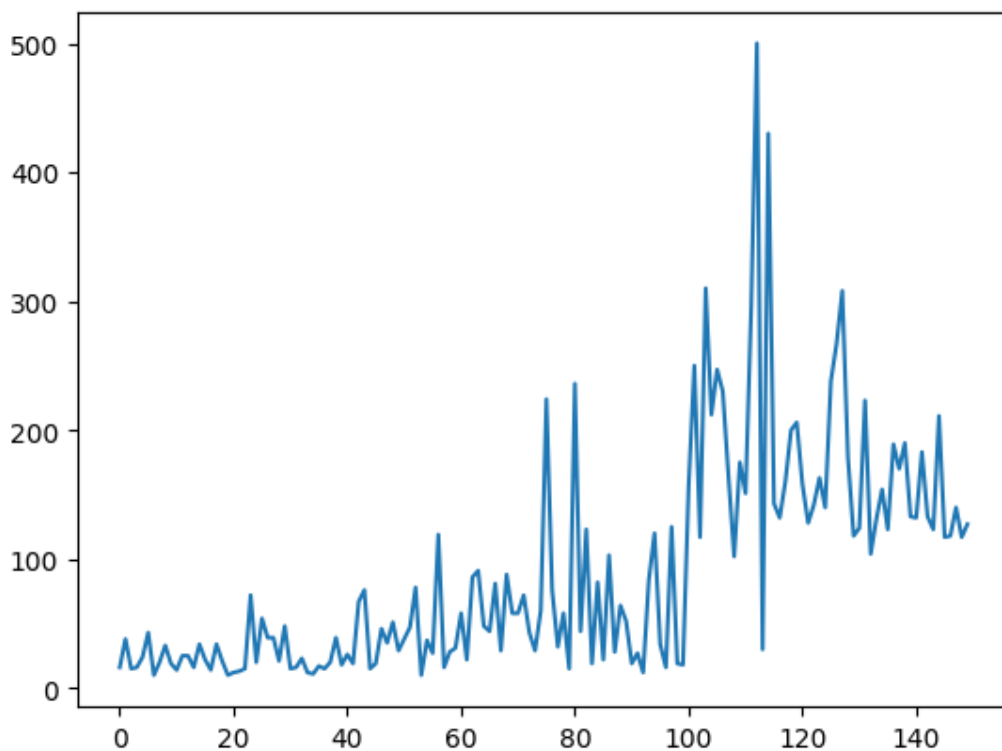
TARGET_UPDATE = 10

MEMORY_CAPACITY = 10000

optimizer = optim.RMSprop(policy_net.parameters(), lr=0.0025)

loss_fn = nn.SmoothL1Loss()

num_episodes = 150



For the final 10 test environments, the times that occurred are above **350** for all the 10 ten environments.