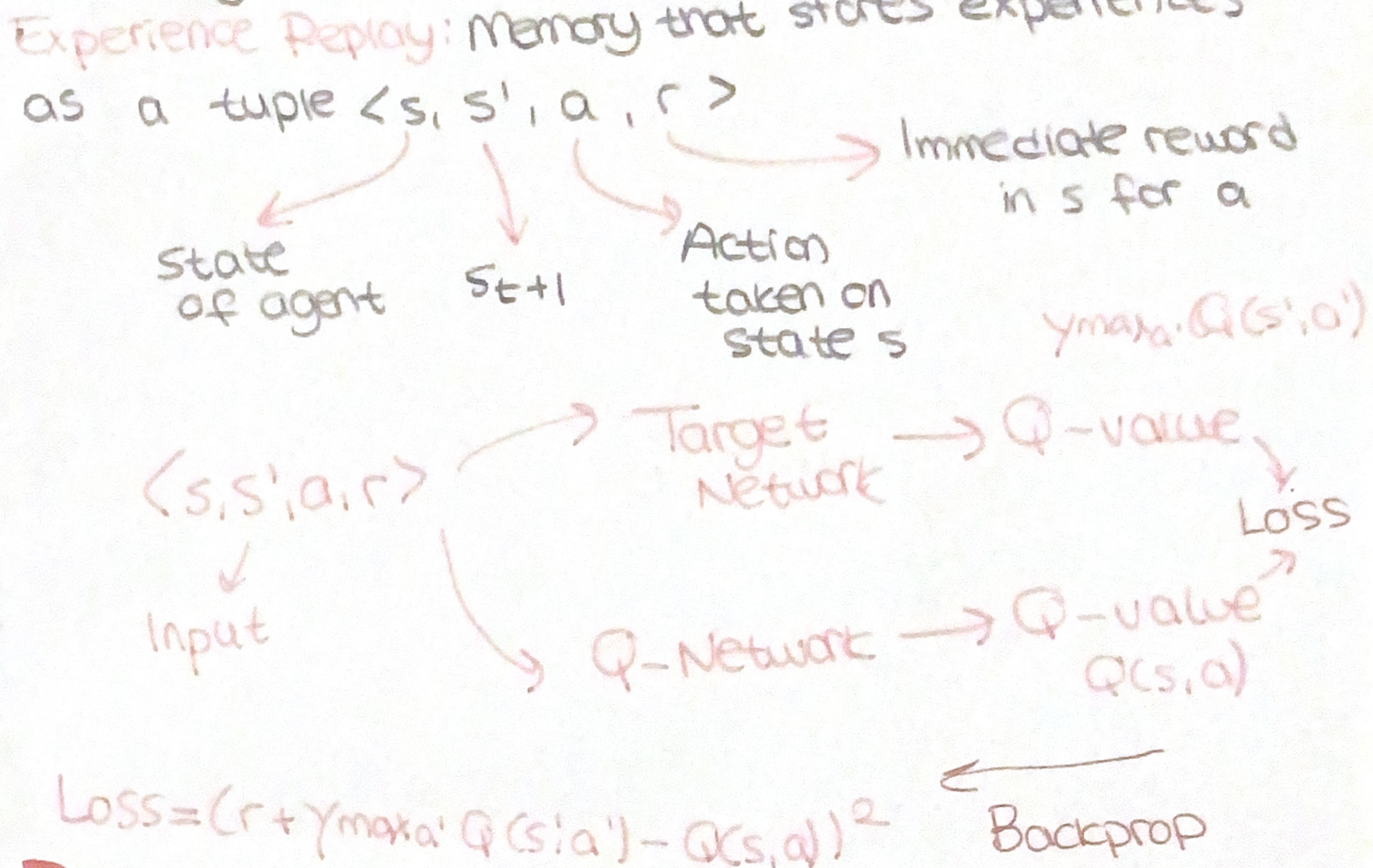


Experience Replay

- Neural network training process becomes more stable when training is done on random batch of previous experiences



Deep Q-Learning Steps

- Provide state of environment to agent. Get Q-values from Target Net & Q-Net.
- Pick action a , based on epsilon value.
- Perform action a .
- Observe reward R & next state s' . Put them in $\langle s, s', a, r \rangle$.
- Sample random batches from experience replay memory & perform training on Q-Net.
- Each n^{th} iteration, copy weights from Q to Target.
- Repeat 2-7 for each episode.

Episode → all states between initial & terminal states.

Epoch → Forward & backward pass