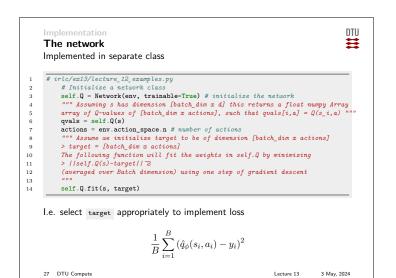
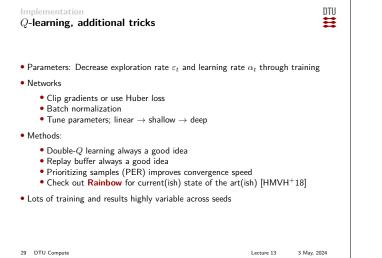


	Implementation The buffer	DTU
	The buffer is a list with a sample function	
1 2 3 4 5 6 7 8	<pre># deepg_agent.py self.memory = BasicBuffer(replay_buffer_mize) if buffer is None else buffer self.memory_puble(s, a, r, sp, done) # save current observation """ First we sample from replay buffer. Returns numpy Arrays of dimension > [self.batch_size] []] for instance 'a' will be of dimension [self.batch_size z]]. set s,a,r,sp,done = self.memory.sample(self.batch_size)</pre>	
	First dimension is batch dimension	_
	(batch_size $\times d$)	
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# ir	·lc/ex13/lecture 12 exa	umples.vu		
<pre>self.Q2 = Network(env, trainable=True) """ Update weights in self.Q2 (target, phi') towards those in Q (source,)</pre>				
			towards those in U (sourc =1 means overwriting weig	
	(useful for initializa self.Q2.update_Phi(Q2,			
		,		
Jpd	ates weights ϕ' in $ {\mathfrak q}$	2 towards ϕ in Q		
		$\phi' = \phi' + \tau(\phi - \phi$	5′)	





			DTU			
	Matteo Hessel, Joseph Modayil, Hado Van Hasselt, Tom Schaul, Georg Ostrovski, Will Dabney, Dan Horgan, Bilal Piot, Mohammad Azar, and David Silver. Rainbow: Combining improvements in deep reinforcement learning. In Thirty-Second AAAI Conference on Artificial Intelligence, 2018.					
	Richard S. Sutton and Andrew G. Barto. <i>Reinforcement Learning: An Introduction.</i> The MIT Press, second edition, 2018. (Freely available online).					
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