Your grade: 100%	Next item →			
Your latest: 100% • Your highest: 100% • To pass you need at least 80%. We keep your highest score.				
 What is the target policy in Q-learning? ←-greedy with respect to the current action-value estimates Greedy with respect to the current action-value estimates Correct! Q-learning's target policy is greedy with respect to the current action-value estimates. 	1/1 point			
2. Which Bellman equation is the basis for the Q-learning update? Bellman equation for state values Bellman equation for action values Bellman optimality equation for state values Bellman optimality equation for action values	1/1 point			
Correct! The Q-learning update is based on the Bellman optimality equation for action values. 3. Which Bellman equation is the basis for the Sarsa update?	1/1 point			
 Bellman equation for state values Bellman equation for action values Correct! The Sarsa update is based on the Bellman equation for action values. 				
Bellman optimality equation for state values Bellman optimality equation for action values				

4.	Whi	ch Bellman equation is the basis for the Expected Sarsa update? Bellman equation for state values Bellman equation for action values	1/1 point
		Correct! The Expected Sarsa update is based on the Bellman equation for action values.	
	0	Bellman optimality equation for state values Bellman optimality equation for action values	
5.	Whi	ch algorithm's update requires more computation per step?	1/1 point
	Expected Sarsa		
		Correct! Expected Sarsa computes the expectation over next actions.	
	0	Sarsa	
6.	Whi	ch algorithm has a higher variance target?	1/1 point
	0	Expected Sarsa	
	•	Sarsa Correct! We saw that Sarsa was more sensitive to the choice of step-size because its target has higher variance.	
7.		earning does not learn about the outcomes of exploratory actions.	1/1 point
	•	True Correct! The update in Q-learning only learns about the greedy action. As demonstrated in Cliff World, it ignores the outcomes of exploratory actions.	
	0	False	
8.	Sai	sa, Q-learning, and Expected Sarsa have similar targets on a transition to a terminal state.	1/1 point
	0	True	
		Correct! The target in this case only depends on the reward.	
	0	False	
9.	Sai	sa needs to wait until the end of an episode before performing its update.	1/1 point
	()()	True False	
	9	Correct! Unlike Monte Carlo methods, Sarsa performs its updates at every time-step using the reward and the next action-value estimate.	