Mission 7 Assignment Log	Name:					
Pre-Mission Preparation						
The last mission needed a servo to power the fan. You learned about two kinds of servos: 360 and 180. What do you remember about servos?						
Mission 7 Checks						
Objective #1 Recreate the duty-cycle chart for the 180 servo		l	I			
	Percent	Angle	Direction			
	25					
	50					
	75					
	100					
	125					
Objective #2 How do you turn off the 180 servo?						
Objective #3 What type of peripheral is a light sensor?						
More light =						
When running the code, you need to get a high reading (a lot of light), medium reading (normal light) and a low reading (dark).			T 1			
	High reading					
	Normal reading					
	Low reading					
Objective #4 Make a chart of each state and the constant to control the servo it will use:	State		Servo Constant			
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Objective #5 What change in code did you make when the state is 'morning' but the light is less than the low threshold?				
What change in code did you make when the state is 'night' but the light is higher than the low threshold?				
Objective #6 What is "bouncing"?				
What is one way to avoid bouncing?				
Objective #7 When the LED is close to the light sensor, what are the bright light readings?				
Objective #8 Complete the chart for the states and transitions of your finite-state machine:	Starting state	Transitioning to	< or >	Threshold
Post-Mission Reflection				
What is something that was challenging about this mission? Why?				
You learned about 180 degree servos during this mission. What are some uses for this servo?				

