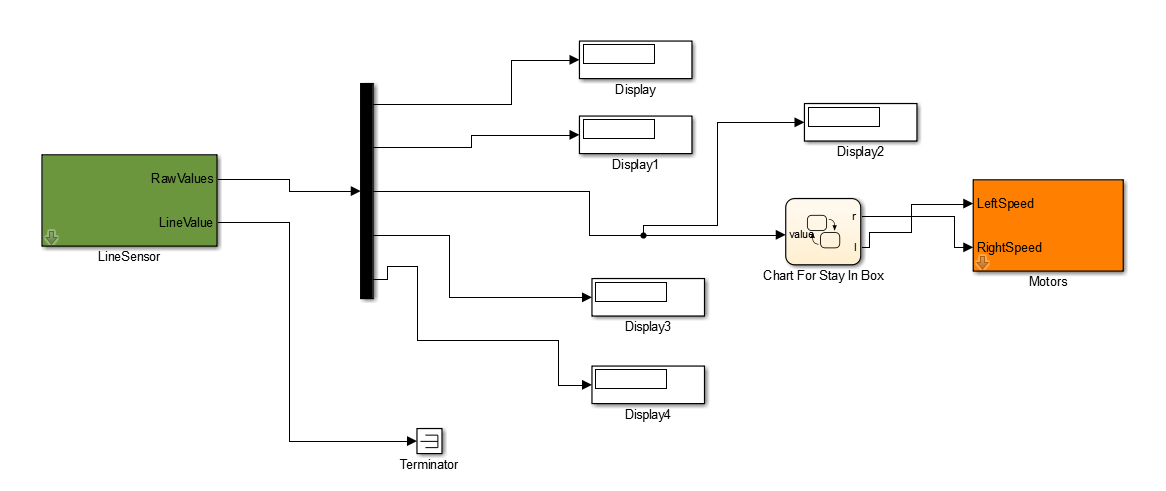
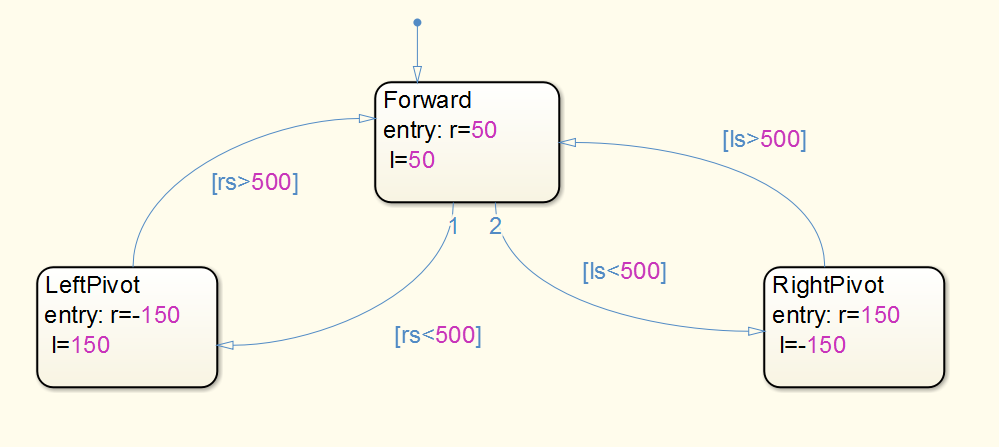
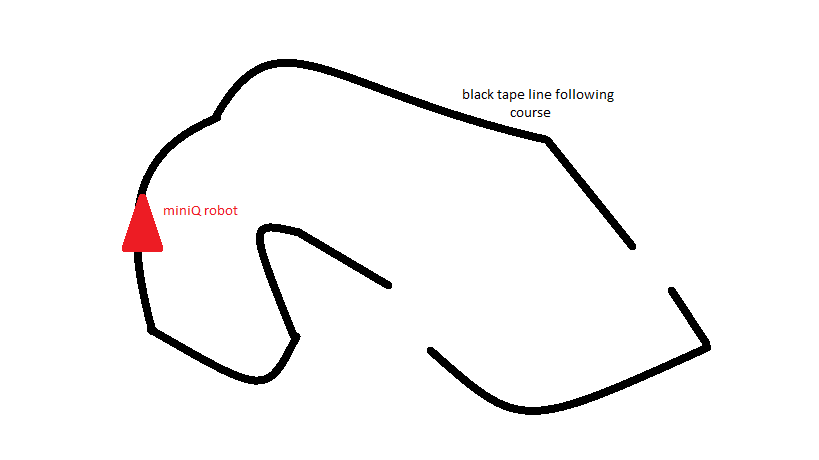
Goal: To introduce line following through the two sensor line following programs. Reference: TwoSensorLineFollowing.slx

Standards Covered: (f), (i), (j)

Sequence:

1. A discussion of how trains, monorails and chairlifts move by being attached to a “line.” This type of movement is what students will be attempting to create with their MiniQ robots. *(5 min)*
2. In Simulink-provide the following image as a template or open TwoSensorLineFollowing.slx: *(20 min)* 
3. The chart should be created by students. After an initial experimentation the example chart can be provided: *(25 min)* 
4. A course outlined in tape should be created, with multiple bends and gaps as a challenge for student’s robots to cross. Challenge students to create robots which can complete the course and then who can refine their two line following the best to achieve the fastest times *(30 min)*



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