

1. Intersection

Place traffic signal with *Red*, *Yellow* and *Green* light.
Simulate how a real traffic signal works

2. Railway crossing

Detect passing train and close/open the *boom gate* accordingly

3. Pedestrian crossing

Place pedestrian signals with *Red* and *Green* light
Detect a toy pedestrian and turn pedestrian light *Red* for *20 seconds*, then turn on the Green light back

4. Bascule bridge (Draw Bridge)

Simulate a Draw Bridge

5. Smarter robots

Line following
Obstacle avoidance
Detect Red and Green light and act accordingly
Turn left on sensing Green color next to track



Pedestrian crossing



Railway crossing



Railway crossing



Intersection



Intersection



Pedestrian crossing



Pedestrian crossing



Bascule Bridge



Train