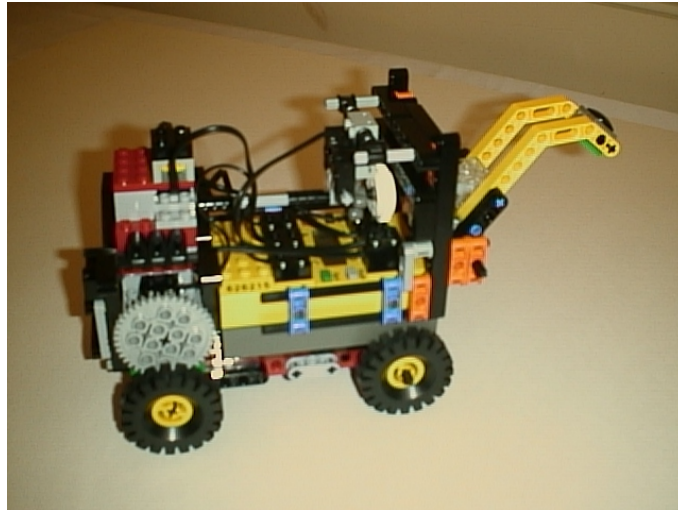


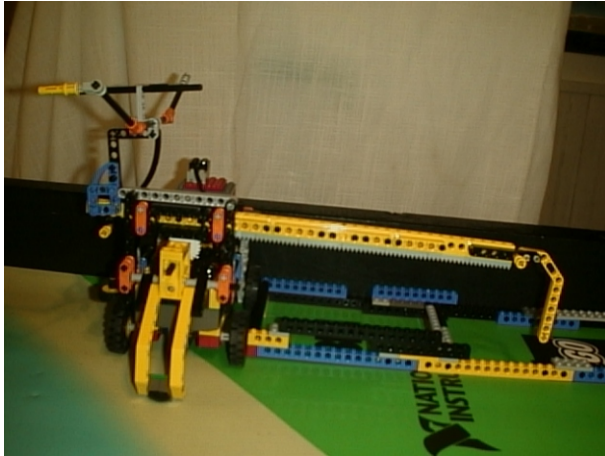
ALGORITHMS

For This Robot

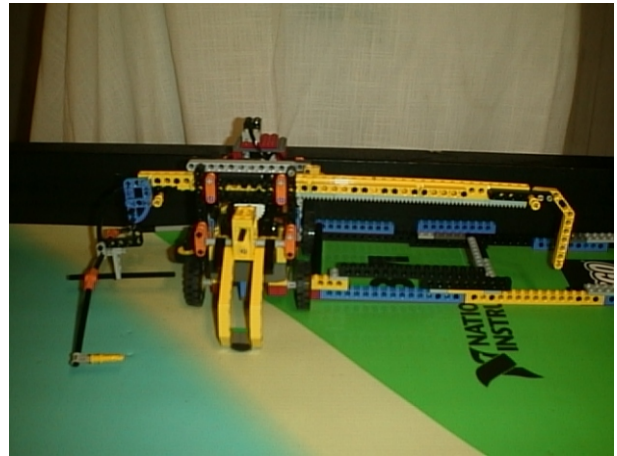


Program 1: Multitask Circuit

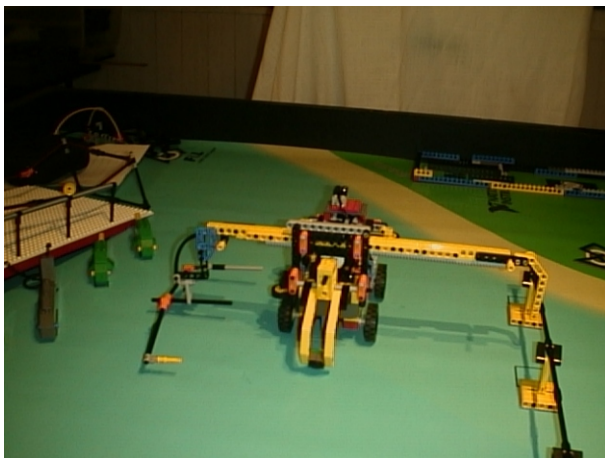
Robot In Base



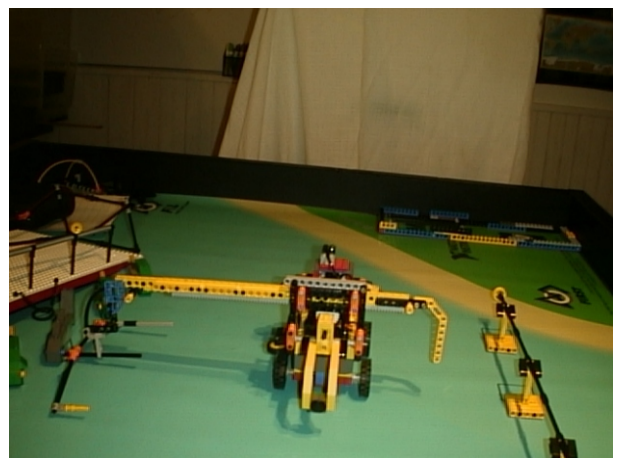
Flag Fork Down



Realign



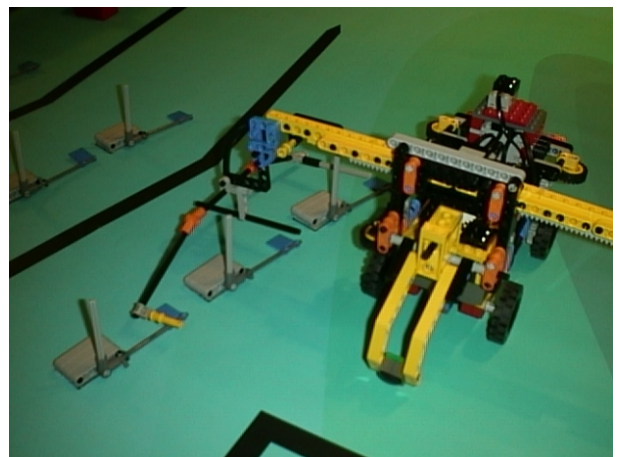
Tag The Shark



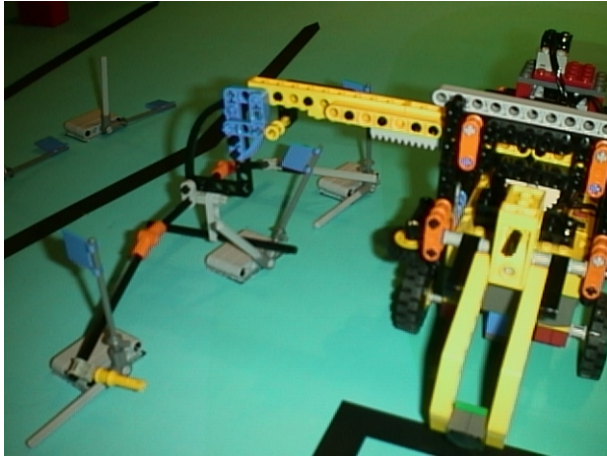
Push Broken Pipeline



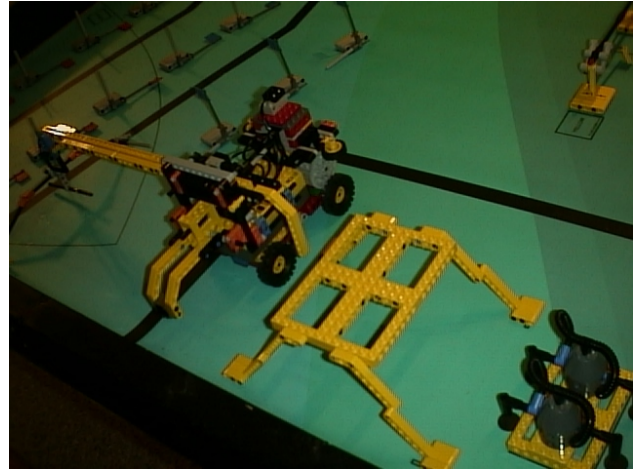
Move To Flags



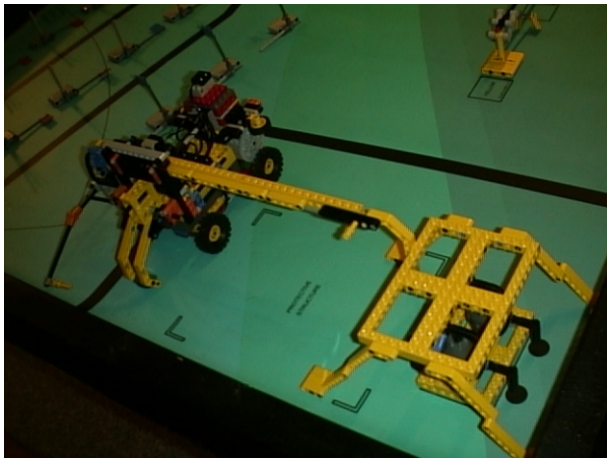
Robot In Base



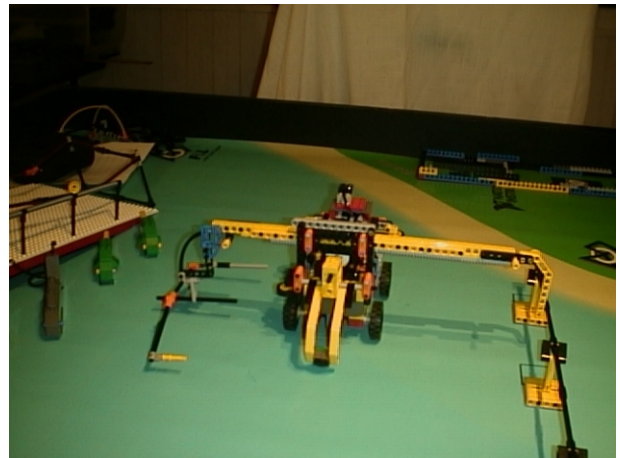
Flag Fork Down



Protect Pumpstation

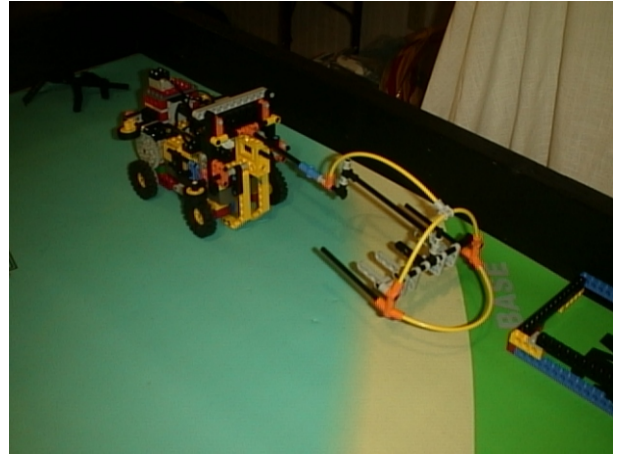
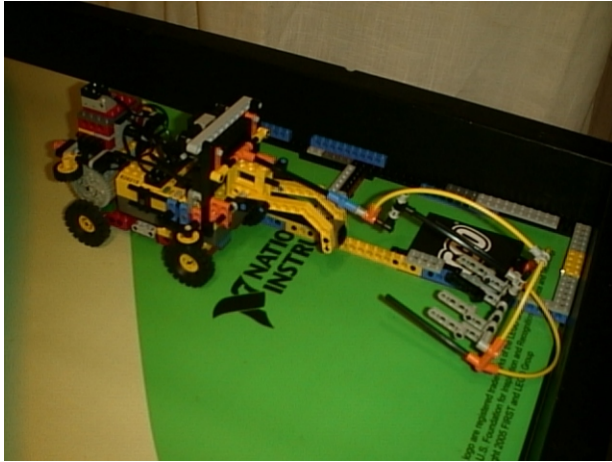


Return To Base

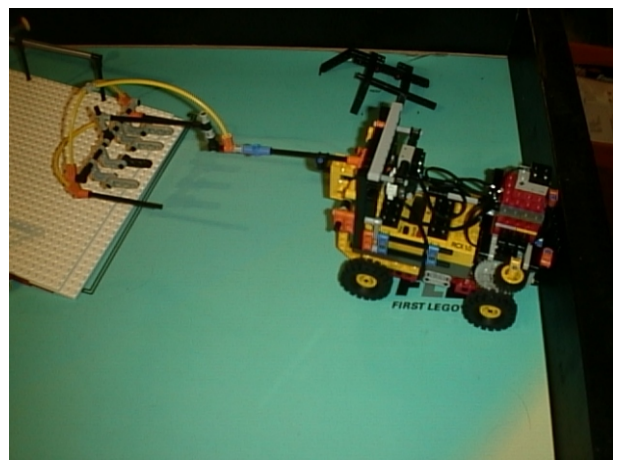
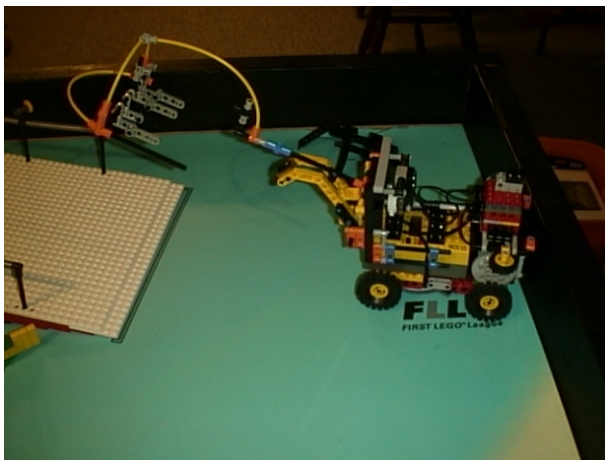


Program 2: Deploy the Submarine

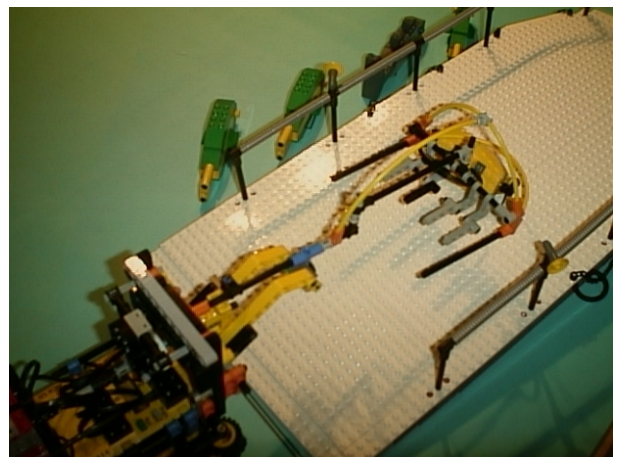
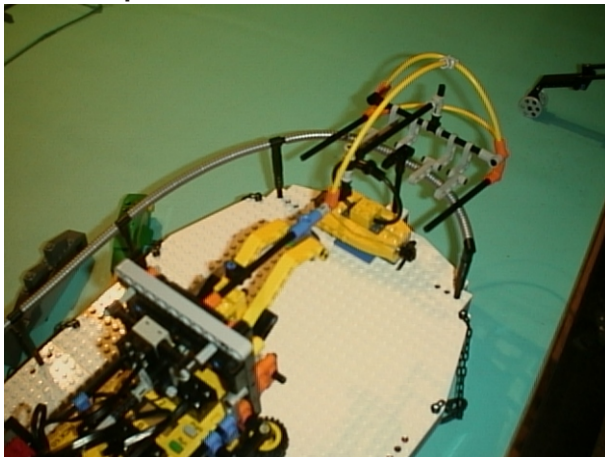
Position robot and hook. Touch sensor to continue. Robot moves.



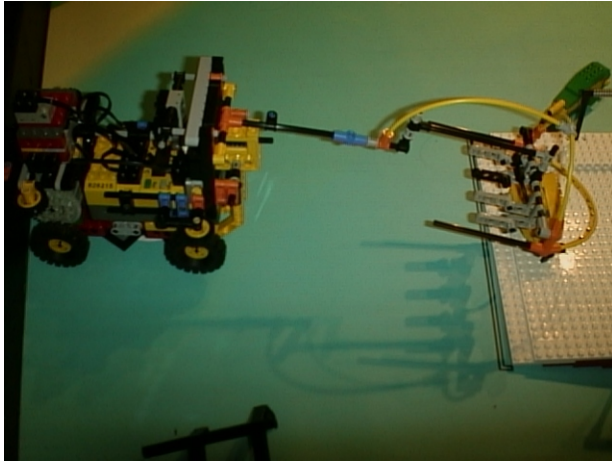
Robot turns and aligns with research vessel. Robot climbs vessel.



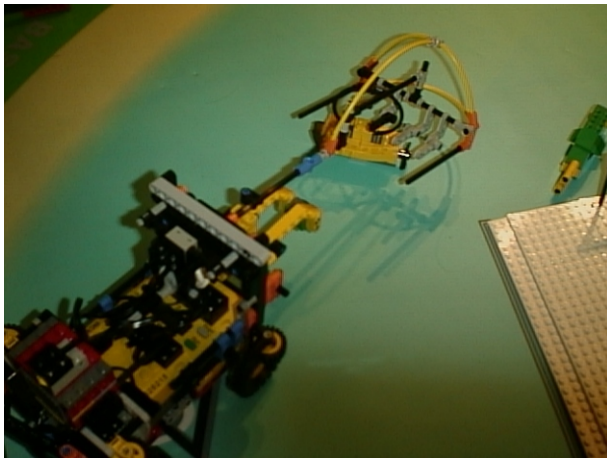
Skid up & hook over the sub. Skid down & hook level with deck rail.



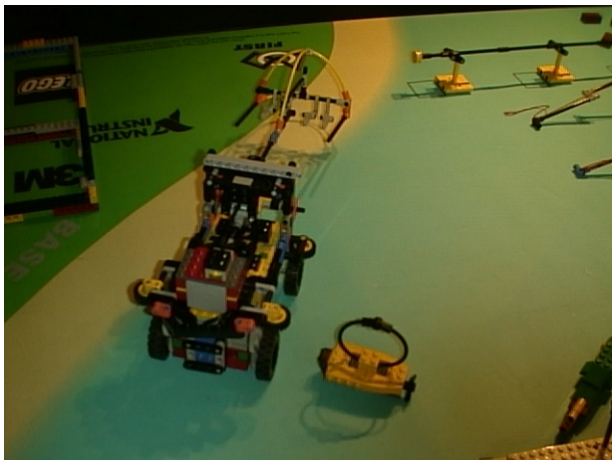
Robot exits research vessel.



The submarine is hooked.

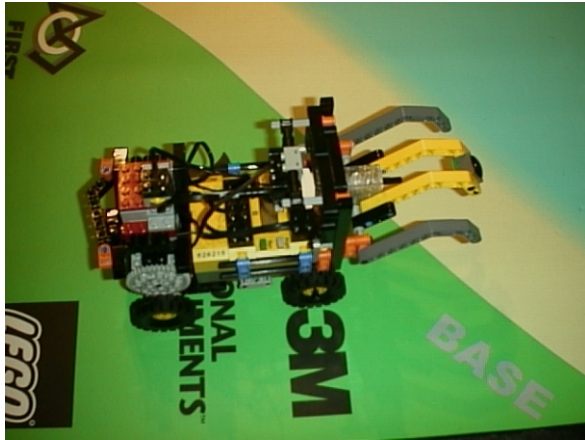


The robot turns and returns to base.

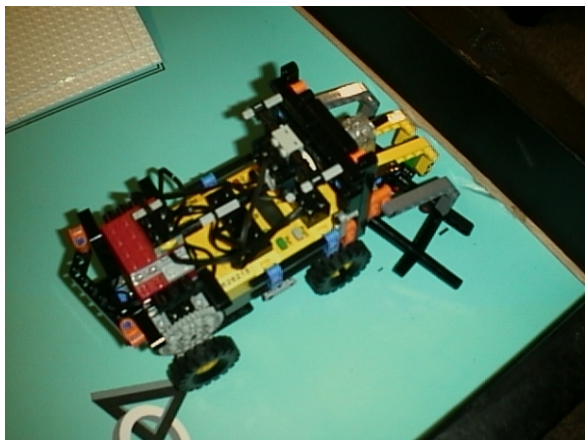


Program 3: Decide about the artificial reef.

Install Claw. Position Robot. Touch sensor to continue.



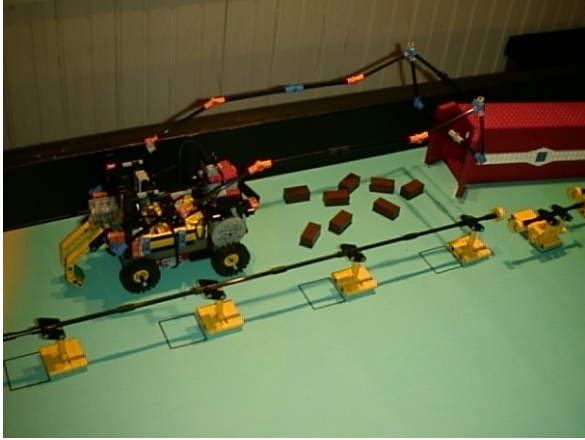
Move to artificial reef. Lower skid to grab with claw.



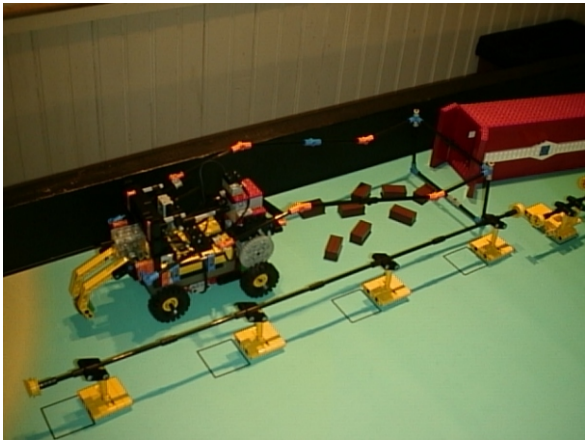
Robot moves back dragging the artificial reef.



Program 4: Clean-Up The Cargo Spill



Install Net.
Program 3.
Back to position net
over crates.



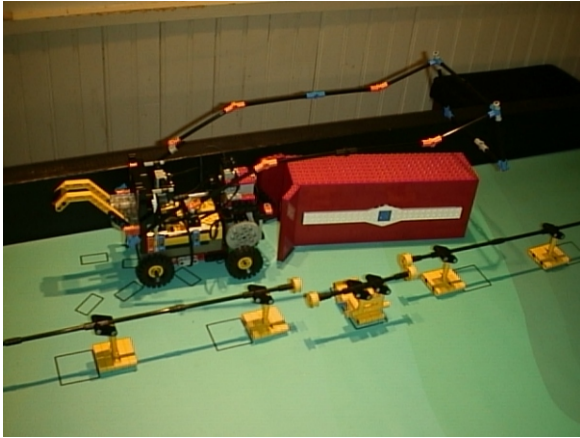
Lower Net



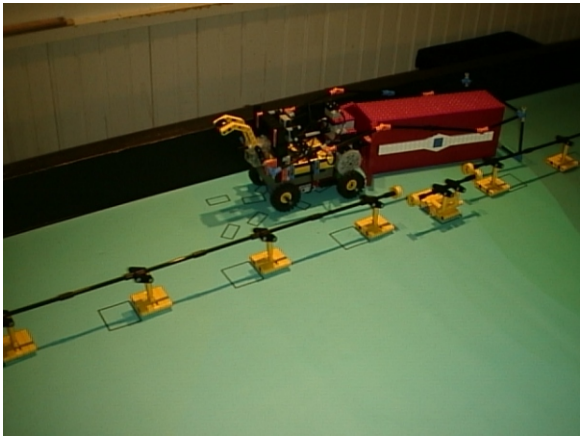
Slide crates to base.



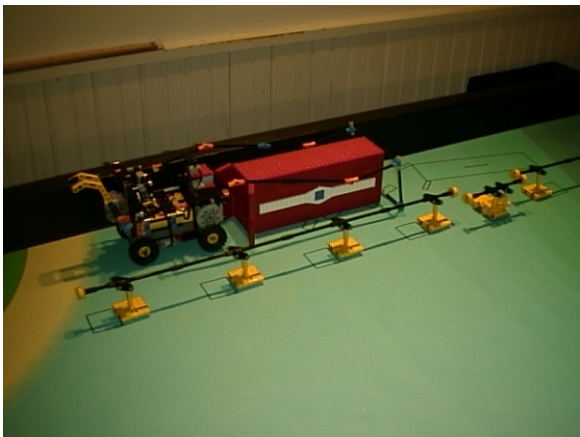
Quickly remove crates.



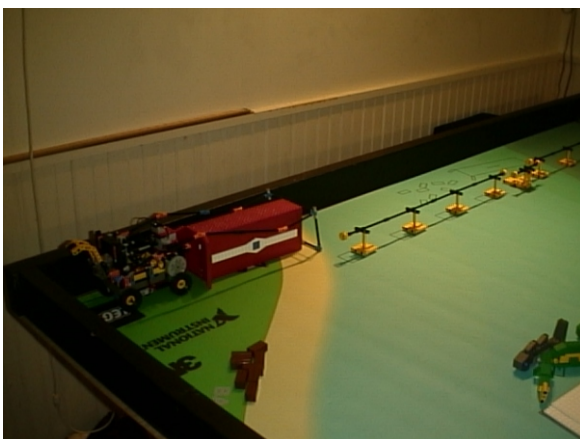
Reposition Robot in Base.
Press the touch sensor to
continue the program.



Lower Net



Slide shipping container to base.



Remove shipping container.

Program 5: Artifacts (Dolphin optional)

