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setup
  Serial baud rate 9600
  Serial println " Test program Sensors with tipping bucket "
  Tipping Bucket Module pin 7 angle(0-180) 0 delays 0
  Declare directionLeft as boolean value true

if not Left Front Barriers Detected or Right Front Barriers Detected or Front Barriers Detected
do
  CAR Left Motor Speed 100
  CAR Right Motor Speed 100
if Front Barriers Detected
do
  CAR Ahead Speed 0 Motion Time 0.2 Second
  CAR Back Speed 100
  Delay ms 800
  if Left Front Barriers Detected
  do
    CAR Turn Right Speed 100 Motion Time 1 Second
    CAR Ahead Speed 100
  if Right Front Barriers Detected
  do
    CAR Turn Left Speed 100 Motion Time 1 Second
    CAR Ahead Speed 100
  if not Left Front Barriers Detected or Right Front Barriers Detected
  do
    if directionLeft = true
    do
      CAR Turn Left Speed 120 Motion Time 1 Second
      CAR Ahead Speed 100
      directionLeft false
    else
      CAR Turn Right Speed 120 Motion Time 1 Second
      CAR Ahead Speed 100
      directionLeft true
  if Right Front Barriers Detected
  do
    CAR Left Motor Speed 40
    CAR Right Motor Speed 100
  if Left Front Barriers Detected
  do
    CAR Left Motor Speed 100
    CAR Right Motor Speed 40
  if not Left Front Barriers Detected or Right Front Barriers Detected or Front Barriers Detected
  do
    Delay ms 200
  if not Left Front Barriers Detected or Right Front Barriers Detected or Front Barriers Detected
  do
    Delay ms 200
  if not Left Front Barriers Detected or Right Front Barriers Detected or Front Barriers Detected
  do
    Delay ms 200
  if not Left Front Barriers Detected or Right Front Barriers Detected or Front Barriers Detected
  do
    Delay ms 200
  if Right Color Sensor Detected Blue
  do
    CAR Back Speed 100 Motion Time 1 Second
    CAR Turn Left Speed 150 Motion Time 1.5 Second
    CAR Back Speed 100 Motion Time 1 Second
    Tipping Bucket Module pin 7 angle(0-180) 110 delays 2000
    Tipping Bucket Module pin 7 angle(0-180) 0 delays 2000
end program

```