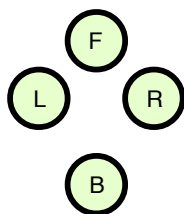


# Substate TRACKTAPE



Init

## CHECKTAPESENSOR

tape sensor detecting  
Motors moving forward

F&R

F&LIF&R&L

## LEFTTURNFIRST

Robot soft left turn  
tape sensor detecting

F&R&B

## RIGHTTURNFIRST

Robot soft right turn  
tape sensor detecting

F&L&B

## RTRUNFLB

tape sensor detecting  
MotorR slow

F&L&B

## LTRUNFRB

tape sensor detecting  
MotorL slow

F&R&B

## TRACKFRB

tape sensor detecting  
Motors moving forward  
timer on

F&R&B

F&R&L&B

## CHECKCORNERR

(face 90 degree right)  
MotorL forward

Timer  
Expired

## CROSSINGR

tape sensor detecting  
Motors stop  
timer on

FIL

~FI~L

## TURNBACKR

crossflag ++  
Motor rotate

crossflag >= 2

## TRACKFLB

tape sensor detecting  
Motors moving forward  
timer on

F&L&B

F&R&L&B

## CHECKCORNERL

(face 90 degree left)  
MotorR forward

Timer  
Expired

## CROSSINGL

tape sensor detecting  
Motors stop  
timer on

FIR

~FI~R

## TURNBACKL

crossflag ++  
Motor rotate

crossflag >= 2

## FACEBACKR

MotorR back

Timer  
Expired

## StraightR

Motors on

~F&~R&~L&~B

## FACEBACKL

MotorL back

Timer  
Expired

## StraightL

Motors on

~F&~R&~L&~B

## REACHIFZ

EVENT: inIFZ

Text