Traffic is a program that controls a traffic light.

The traffic light is timed and lets cars pass during a

specific time period. There is a pedestrial crossing

button that lets pedestrians cross. The lights are

connected to Port 2. You can see this in action using

dScope.

There are several things of interest here:

\* This program uses RTX51 Tiny. Program initialization

and operation code are in TRAFFIC.C. Look for the

init task to see where everything starts.

\* Serial I/O is interrupt and signal driven. Look at

SERIAL.C for the complete, encapsulated module (you

may want to use this in your programs).

The TRAFFIC program is available in one target:

Demo-Simulator: for eval tools in SMALL model for Simulation

Simulator: for full tools in SMALL model for Simulation

MCB900-RUN: for MCB900 Eval Board in RUN Mode

EPM900-Emulator: for EPM900 Emulator for target testing

The configuration file Conf\_tny.A51 disables the round-robin timeout

and enables the CPU idle mode.

Notes:

- The target Demo-Simulator allows program run with Eval Tools.

- The target Demo-Simulator loads a fixed program image that

cannot be modified.

- The remaining targets (Simulator, MCB900-RUN, EPM900-Emulator)

require a full version of the Keil C51 Tool Chain.