The DHRY program performs the dhrystone benchmarks on the 8051.

Dhrystone is a general-performance benchmark test originally

developed by Reinhold Weicker in 1984. This benchmark is

used to measure and compare the performance of different

computers or, in this case, the efficiency of the code

generated for the same computer by different compilers.

The test reports general performance in dhrystones per second.

Like most benchmark programs, dhrystone consists of standard

code and concentrates on string handling. It uses no

floating-point operations. It is heavily influenced by

hardware and software design, compiler and linker options,

code optimizing, cache memory, wait states, and integer

data types.

The DHRY program is available in different targets:

Simulator: Large Model: DHRY example in LARGE model

for Simulation

Philips 80C51MX: DHRY example in LARGE model

for the Philips 80C51MC