Using the Simulator for

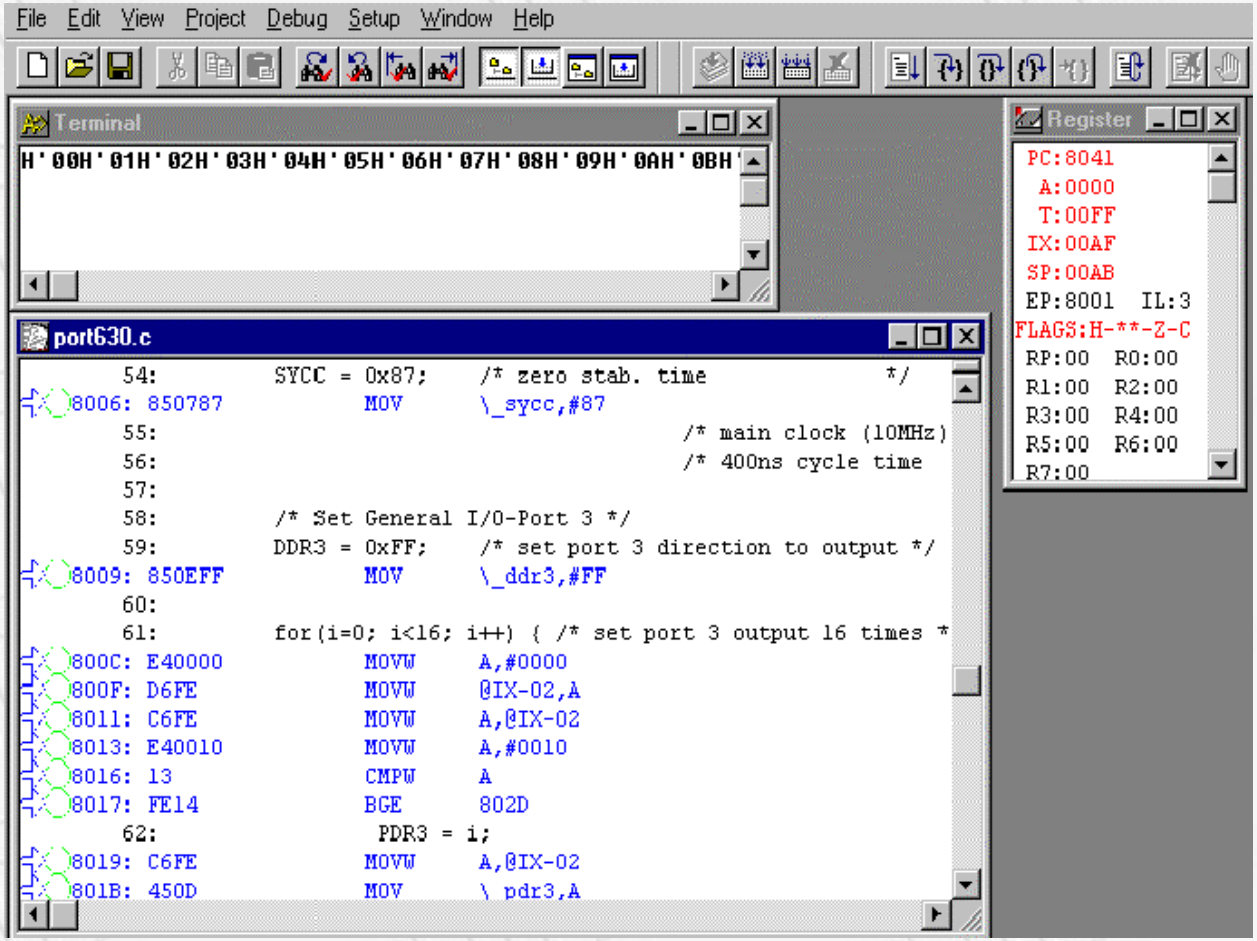
I/O Port

Interrupt

Simulation

FUJITSU

I/O port configuration for Simulator



- The I/O port can be simulated by terminal or file handling procedures
- In the terminal window, the values written to the Output port can be seen
- If a file is used, the data written to the output port are written to the specified file
- If an input port is defined, on each port read instruction the terminal input or the data in the file are read

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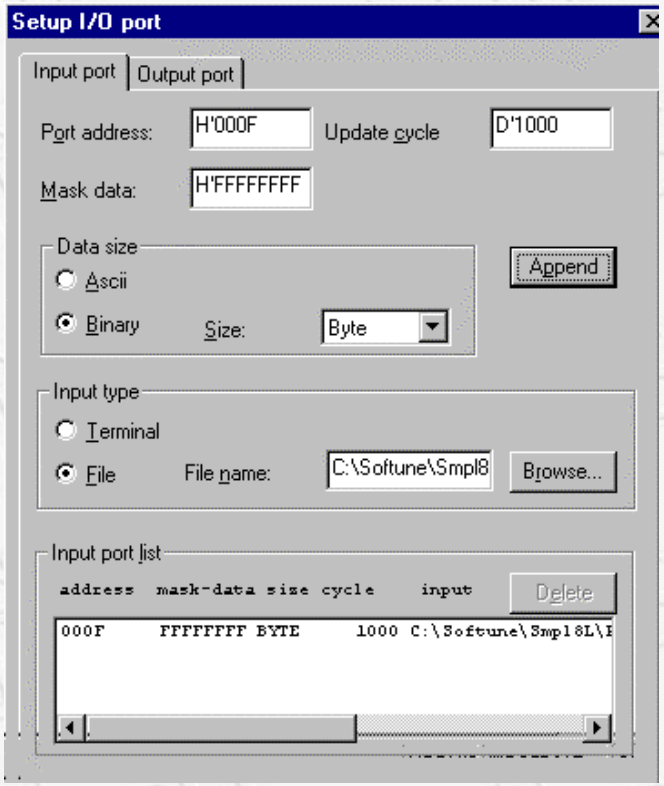
I/O port Configuration for Simulator

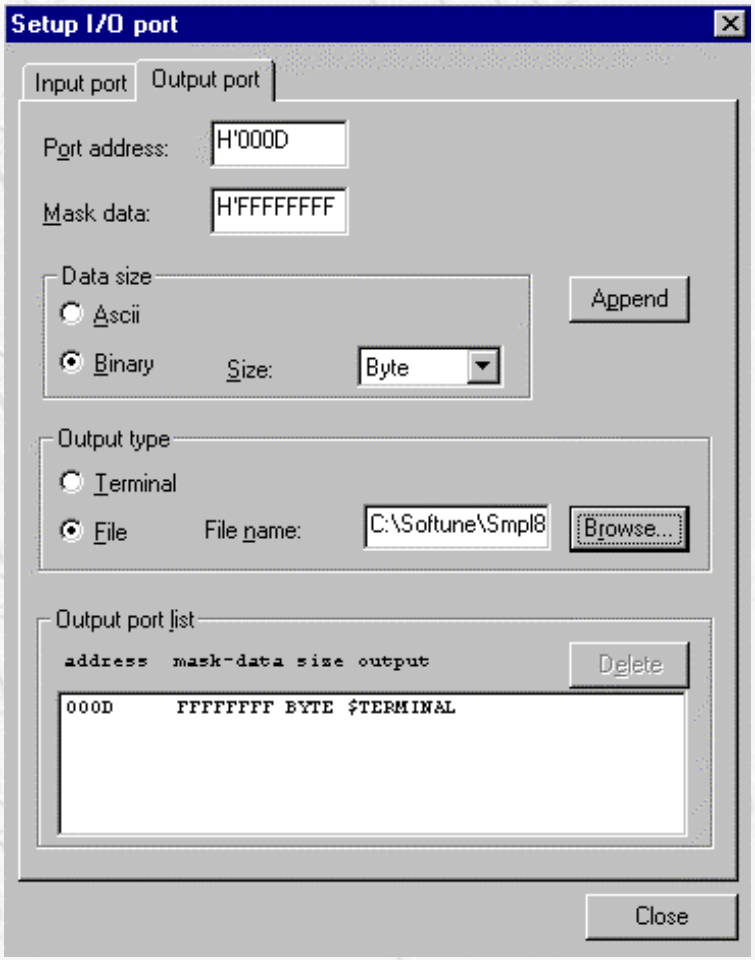
Configuration of input port



- Input port simulation has the following types:
  - Whenever a program reads the specified port, data is input from the pre-defined data input source.
  - Whenever the instruction execution cycle count exceeds the specified cycle count, data is input to the port.
- The Input port is specified by the port address. Up to 16 input ports can be defined
- Terminal input or file input is possible
- ASCII and binary data can be specified

I/O port configuration for Simulator

Configuration of Output Port



- The output port is specified by the port address. Up to 16 output ports can be defined.
- Terminal output or file output is possible
- ASCII and binary data can be specified

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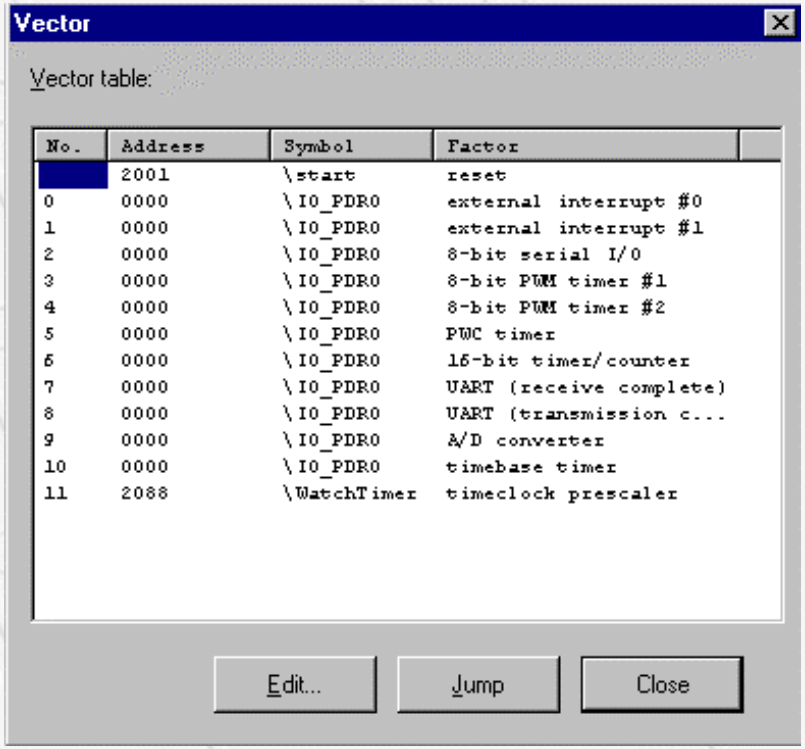
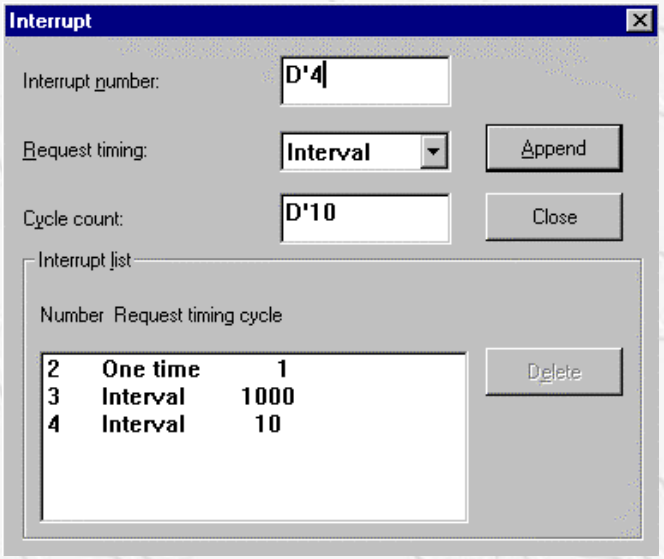
Interrupt configuration for Simulator

Display Vector Table



- In the Vector table all used Interrupts are displayed

Specify Interrupts in the Debug environment setup



- Interrupts can be Single Shot or Interval
- Individual Interval count setting
- Individual Interval or One Shot Interrupt simulation setting

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