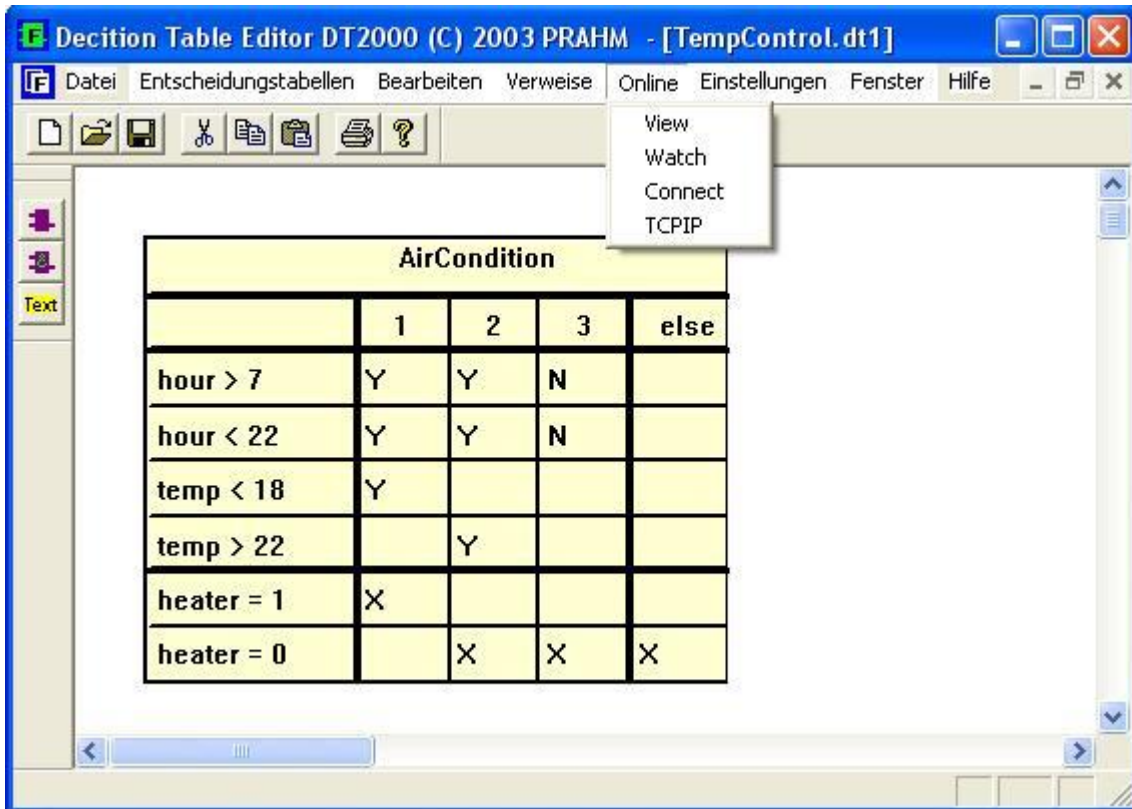


The PMS Decision Table Editor

Universal Programming Studio – your complete system solution for the embedded software development

The PMS Decision Table Editor enables you to write software in decision tables



1 - The user interface of the PMS Decision Table Editor

The PMS Decision Table Editor

The PMS Decision Table Editor enables you to graphically program industrial controllers in decision tables. The editor creates automatically real time C code or an IL code, which is functional identical to the actual decision table.

The decision table editor is basically a table editor. Rules, conditions and actions are written in columns and rows like in MS-Excel. Problem solutions can now directly be edited and documented in decision tables. To ease and speed up the work a number of improvements are implemented in relation to MS-Excel.

From the in- and outputs of the decision table respective input parameters and return values are generated in the C or IL code. The in- and outputs can also be done via global variables. Code efficiency is a big item for DTE. For example does a rule without an action make no sense, so DTE will not generate a C code for this rule. And the code generation will be suppressed in an else column, when an action is missing. These are some examples on how

DTE generates a very compact and fast code. In combination with the integrated development system PMS Universal Programming Studio a download of target software (EXE, Intel-Hex or Motorola S record) to the target system is possible, when the PMS StandOS operating system is available on the target. The target software can then be started and stopped in the target hardware and process data can be read and be written. Interfaces to Ethernet TCPIP, field busses, LIN and RS232 are available.

Highlights of the Decision Table Editor

- Programming and documentation in one step
- Automatical creation of highly efficient real time C code
- Simulation of decision tables diagrams directly in this tool
- Online run of decision tables directly in this table editor
- Cut, copy and paste of tables
- Unlimited undo and redo functionality
- Full flexibility editing table, f.x. shift, insert and delete
- The build-in syntax check finds errors automatically
- C code and comments can be placed freely everywhere
- All printing features are offered
- Reference list for symbolic names of variables
- Object sizes, object colors, text fonts and many other properties can be set freely
- User interface with menus, context menus and icons
- Up-to-date context sensitive compressed Html help with contents and indexes



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