

# Expected format for AWN files

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- All definitions must be in plain ASCII.
- Single-line comments are given by two hyphens --. Multi-line comments are opened by {\* and closed by \*}
- We allow all relevant definitions to be in a single file or split over multiple files (which must all be within the same directory, or sub-directories of the main directory). Multiple files will be concatenated in a random order. Readme and other special files will be ignored.
- External definitions/libraries can be included using the key word "INCLUDES:" (without the quotes). This is then followed by the path to each library, separated by a comma. These external definitions will also be concatenated randomly with the files in the main directory.
- We assume that we have Boolean values, first order logic and set theoretic concepts. Relevant, reserved symbols are enumerated below.
- Definition of a process begins with the "PROC:" keyword.
- Types are declared with the keyword "TYPES:". This is followed by a sequence of type names each separated by any whitespace character.
- Variables are declared with the keyword "VARIABLES:". This is followed by a type name, then a whitespace character then the variable name. Many variables of the same type can be declared by using commas to separate them, in this case whitespace characters are ignored to make it easier to comment on the variables. The end is indicated by whitespace and the absence of a comma.
- Constants are declared in the same way as variables except the keyword "CONSTANTS:" is used.
- Aliases are names for longer statements. Where ever the name appears in a process, the longer statement will be inserted and evaluated in that context. The key word "ALIASES:" is used. This is followed by an alias name which is then followed by a statement enclosed in triple quotes (i.e. """" statement """).
- Set comprehensions use a bar and not a dot e.g. {x| odd(x)}