

```

---GALTOSM_tool
|
|---source_code
|   |
|   |---logic_translator_tool
|   |   |---python code to convert logics
|   |
|   |---model_translator_tool
|   |   |
|   |   |---adtmc_to_sdtmc-dev
|   |   |   |
|   |   |   |---C++ files
|   |   |   |
|   |   |   |---build
|   |   |   |   |---ADTMC_TO_SDTCMC(the executable file)
|   |   |
|   |   |---adtmc-mcrl2_to_sdtmc-prism
|   |   |   |---python code for mcrl2(.aut) to .prism
|   |   |
|   |   |---sdtmc_to_adtmc (YOU ARE HERE)
|   |   |   |
|   |   |   |---python code for sdtmc(.tra .lab .sta) to .mcrl2
|   |   |   |---python code for sdtmc(.tra .lab .sta) to .aut(CADP)
|   |
|   |---test_cases
|   |   |
|   |   |---adtmc_to_sdtmc
|   |   |   |---contains .aut(CADP format) files
|   |   |
|   |   |---sdtmc_to_adtmc
|   |   |   |---contains (.tra .lab .sta)PRISM format files
|   |   |
|   |   |---adtmc-mcrl2_to_sdtmc-prism
|   |   |   |---contains .aut(mcrl2 format) files
|   |   |
|   |   |---example_logics
|   |   |   |---contains logics of all 6 types
|
|---case_studies
|   |
|   |---CADP_case_studies
|   |   |
|   |   |-----dice
|   |   |   |
|   |   |   |---contains .lnt (CADP models)
|   |   |   |---APCTL logic
|   |   |   |---contains .mcl (MCL logic for CADP model checking)
|   |   |
|   |   |---ant_on_a_grid
|   |   |   |
|   |   |   |---contains .lnt (CADP models)
|   |   |   |---APCTL logic (including REWARD logics)
|   |   |   |---contains .mcl (MCL logic for CADP model checking)
|   |   |
|   |   |---lost_boarding_pass
|   |   |   |
|   |   |   |---contains .lnt (CADP models)
|   |   |   |---APCTL logic
|   |   |   |---contains .mcl (MCL logic for CADP model checking)
|   |   |
|   |   |---bounded_retransmission_protocol
|   |   |   |
|   |   |   |---contains .lnt (CADP models)
|   |   |   |---APCTL logic
|   |   |   |---contains .mcl (MCL logic for CADP model checking)
|   |   |
|   |   |---gambling_problem
|   |   |   |
|   |   |   |---contains .lnt (CADP models)
|   |   |   |---APCTL logic (including REWARD logics)
|   |   |   |---contains .mcl (MCL logic for CADP model checking)
|   |
|   |---reward_based_SDTCMC
|   |   |
|   |   |-----dice
|   |   |   |--- .lab .tra .srew (STORM format) APRCTL formula
|   |   |
|   |   |---ant_on_a_grid
|   |   |   |--- .lab .tra .srew (STORM format) APRCTL formula
|   |   |
|   |   |---gambling_problem
|   |   |   |--- .lab .tra .srew (STORM format) APRCTL formula

```