**DFA Report**

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**Design Logic**

* CDFA: Provide “Input” Interface to be implemented
* EndState: Check whether the input is acceptable
* Reset: Reset DFA status to beginning mode
* CDFA Define File: Read in DFA file and detect whether the file is correct.
  + Status check
  + Alphbet check
  + Beginning status check
  + End status check
* Cmdline

**Program Structure**

* Composed by portion listed above
* For cmdline, user input will be collect, CDFADefineFile will read in a DFA and construct a CDFA object and user input will be processed.

**Issues Remain**

* CDFA can be improved.
* CDFDefineFile and CDFA are using DFA’s data, not efficient for storaging.
* Examination by CDFDefineFile onto DFA can also be improved.