

A. FSA validator

time limit per test: 3 s
memory limit per test: 16 MB
input: fsa.txt
output: result.txt

Given an FSA description in the fsa.txt (see input file format) your program should output the result.txt containing an error description (see validation result) or a report, indicating if FSA is complete (or incomplete) and warning (see warning messages) if any. Warnings should be sorted according to their code

Input

states=[s1,s2,...] // s1 , s2, ... ∈ latin letters, words and numbers

alpha=[a1,a2, ...] // a1 , a2, ... ∈ latin letters, words, numbers and character '_'(underscore)

init.st=[s] // s ∈ states

fin.st=[s1,s2,...] // s1, s2 ∈ states

trans=[s1>a>s2,...] // s1,s2,...∈ states; a ∈ alpha

Output

Example : result.txt

FSA is incomplete

Warning:

W1: Accepting state is not defined

IU TCS Spring 2023

Private

Participant

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→ Group Contests

- TCS Assignment 2
- TCS Assignment 1

TCS Assignment 1

Finished

Practice

★

→ Submit?

Language: GNU GCC C11 5.1.0

Choose file:

Choose File

No file chosen

Be careful: the problem requires input/output via file(s).

Submit

→ Last submissions

Submission	Time	Verdict
199325048	Mar/26/2023 22:39	Accepted
199324971	Mar/26/2023 22:38	Wrong answer on test 1
199082799	Mar/25/2023 14:01	Accepted
199080018	Mar/25/2023 13:37	Accepted
199078614	Mar/25/2023 13:25	Accepted
198911056	Mar/24/2023 11:22	Accepted
198865472	Mar/24/2023 00:17	Wrong answer on test 6
198860946	Mar/23/2023 23:37	Wrong answer on test 6
198857721	Mar/23/2023 23:04	Wrong answer on test 6
198855555	Mar/23/2023 22:44	Wrong answer on test 1

