

Algorithmic Questions for Regular Languages

There are algorithms for

- 1) input = string & reg. language
is string in language?
- 2) input = reg. language
is it empty?
- 3) input = 2 reg. languages
are they the same?

For 1 and 2, convert to DFA first.
For 3, convert to DFA and
then do equivalence test
e.g. using product construction