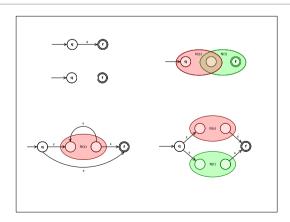
INF1a-CL NFA DFA regex

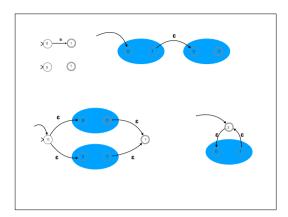
- -Tseytin -Syllogisms -DPLL

- -DPLL
 -The arrow rule
 -Haskell coding in CL
 -Sequent calculus
 -Satisfiability and CNF
 -Operations on machine languages
 -Resolution
 -Logic

- -Karnaugh maps

Today regex NFA DFA Monday Syllogisms Arrow Rule KM Thursday Sequent Calculus CNF Tseytin Friday DPLL Satisfiability



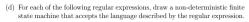


- (d) For each of the following regular expressions, draw a non-deterministic finite state machine that accepts the language described by the regular expression.
 - i. x*y ii. $(x^*|y)$ iii. $(x^*y)^*$

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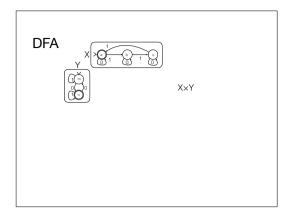


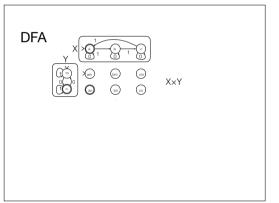


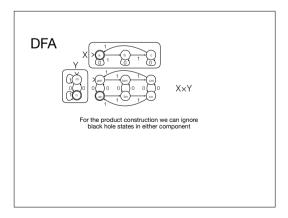


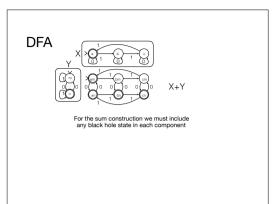


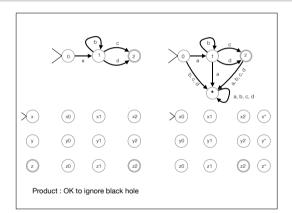


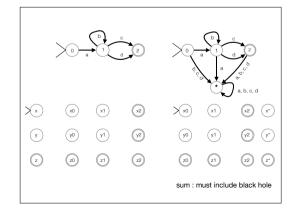


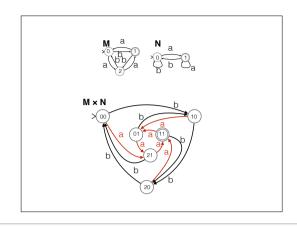


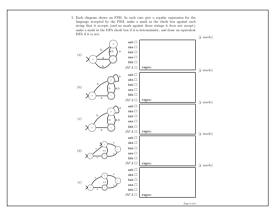


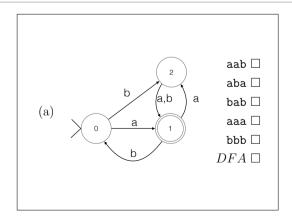


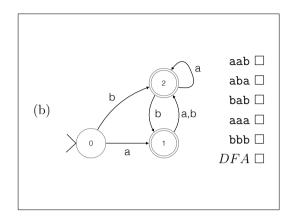


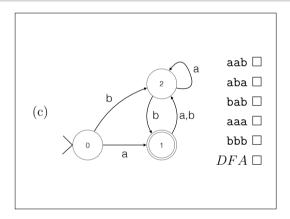


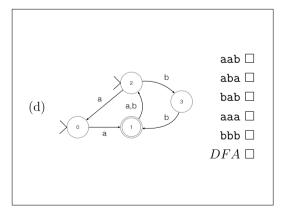


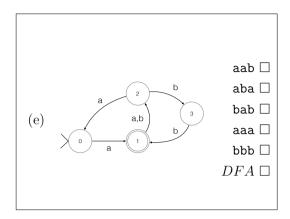












- a) (a|b(a|b))(a(a|b)|b(a|b(a|b)))*
- b) (a|ba*b)((a|b)a*b)*|(b|a(a|b))(a|b(a|b))*
- c) (a|ba*b)((a|b)a*b)*
- d) a((a|b)(aa|bb))*|(aa|bb)((a|b)(aa|bb))*
- e) a((a|b)(aa|bb))*