Checkin 7

Show the AST for (1 + x) * 2

Administrivia

P1 due "tonight"

P2 out Friday

Administrivia

Optional lab posted

Administrivia

The Quiz!

Flipped Wednesday



Written Work #2

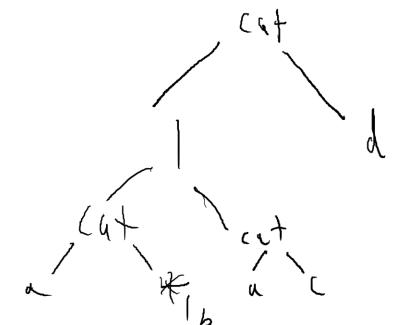
Topics:

Frontend stuff

504

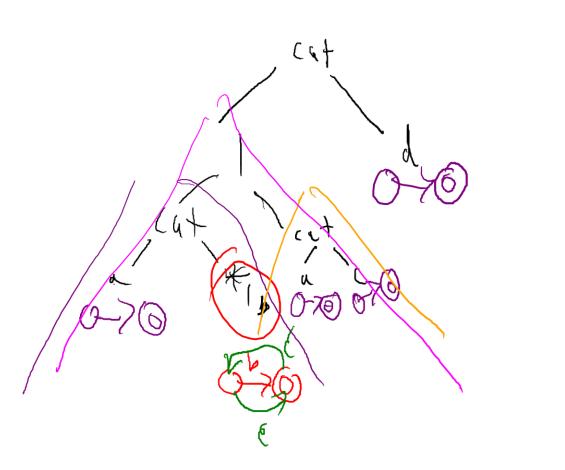
Draw out the expression tree representation of the following regular expression

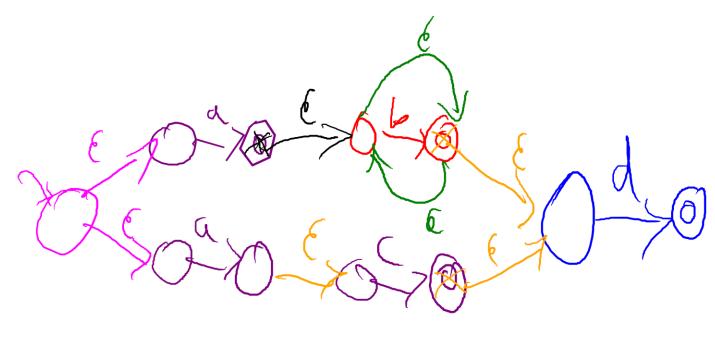
Remember to respect the precedence of regex operators.



(alp/ac)

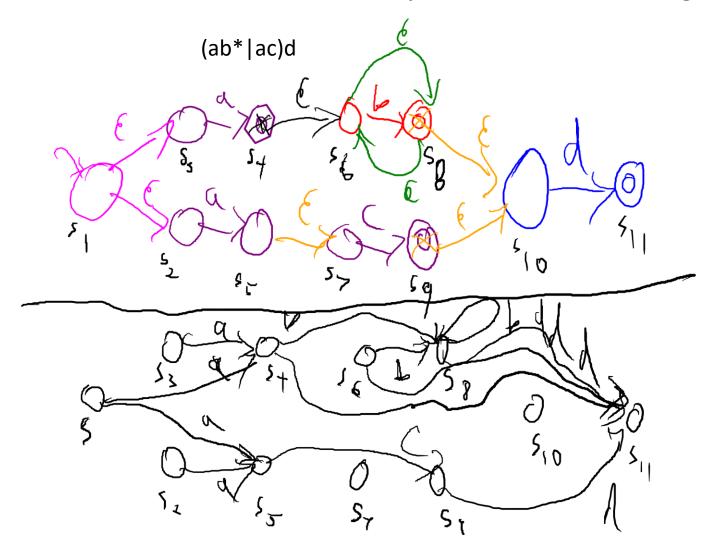
Convert the regular expression from above into an ε -NFA (i.e. an NFA with ε -edges) using Thompson's algorithm.



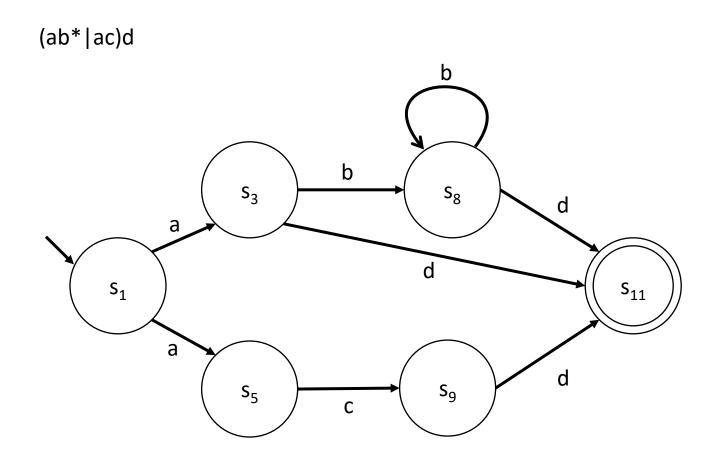




Use the ε-elimination technique to remove the ε-edges from the previous ε-NFA.



Use the ε -elimination technique to remove the ε -edges from the previous ε -NFA.



Let *DotList* be a language such that:

- The empty string is in the language
- The single terminal dot is in the language
- Sequences of more than 1 **dot** terminal separated by the **comma** terminal are in the language. e.g.:
 - o dot comma dot
 - o dot comma dot comma dot

No other strings are in the language