

Some analysis skills

- Select analyses to implement
- Implement simple analyses
- Use parser-like combinators for analyses

Some regexp skills

- Write regexps
- Decide regexp matching manually
- Decide regexp matching via parser combinators
- Educatedly guess regularity of language/grammar

Some FSM skills

- Check DFA, NFA ϵ well-formed
- Evaluate FSM, DFA, NFA ϵ on input
- Convert regexp to NFA ϵ
- Convert NFA ϵ to DFA
- Decide regexp matching via FSM
- Write programs for all of the above
- Recognize FSMs in the wild

Some architecture skills

- Recognize common nanopasses
- Implement easy nanopasses
- Order nanopasses