

Recap



COMP 524: Programming Language Concepts
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What is a token?

Program fragment with atomic meaning.

How can we specify tokens?

With regular expressions.

How can we recognize tokens efficiently?

With DFAs.

Why is there a separate lexical analysis phase?

To simplify the following syntactical analysis phase.

Does an assembler need a lexical analysis phase?

Yes, it needs to recognize instructions, operands, and macros.

How do we get from a regular expression to a DFA?

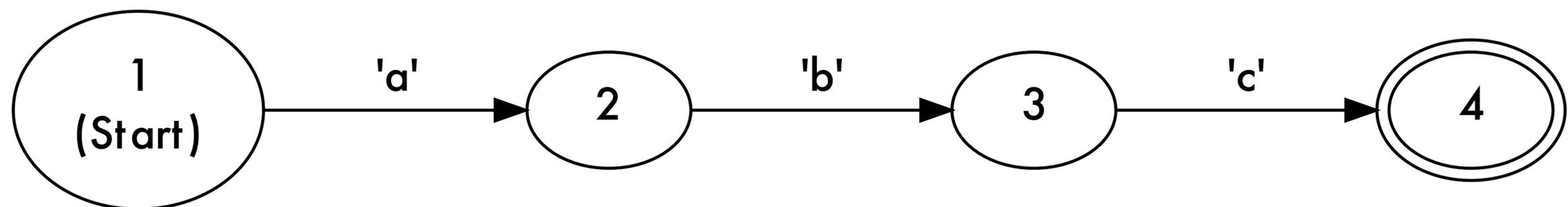
Via an NFA.

Draw the NFA corresponding to the regular expression:

abc

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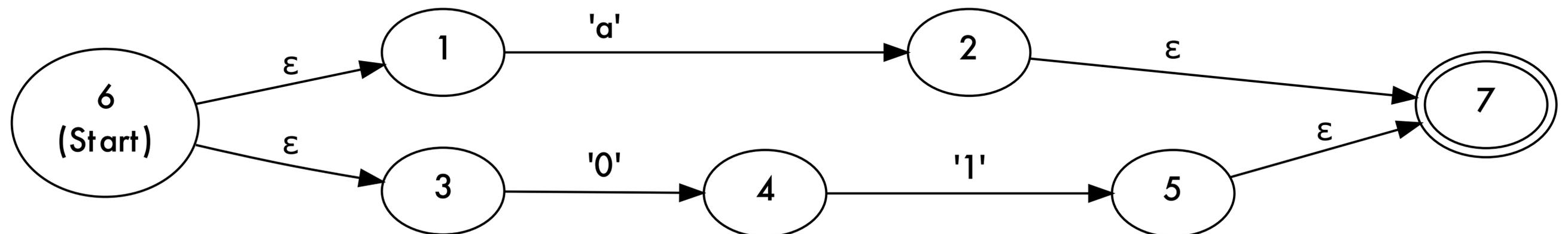


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