German University in Cairo
Department of Computer Science
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CSEN1002 Compilers Lab, Spring Term 2020
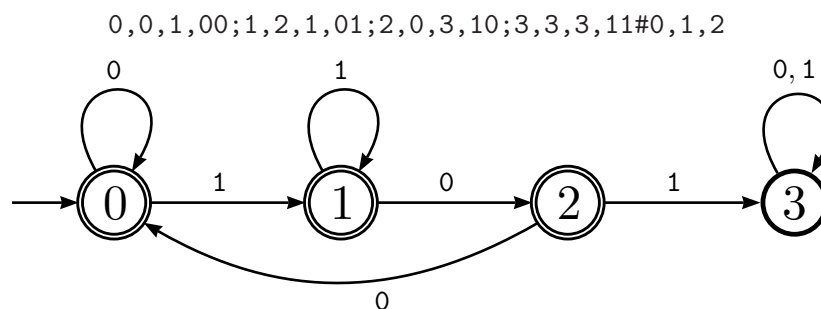**Task 3: ANTLR Lexical Analysis**

Due: Week starting 29.02.2020

1 Objective

For this task you need to implement a simple lexical analyzer using ANTLR (www.antlr.org). Your tutor will introduce you to ANTLR during the session, but you are urged to prepare by taking a look at the ANTLR documentation:

github.com/antlr/antlr4/blob/master/doc/index.md.

2 Requirements

- You will implement an ANTLR lexical analyzer for the fallback DFA example introduced the in Task 3 description document. It is repeated here for your convenience:

- For example, running the lexical analyzer implementing the above FDFA on the string 1011100 produces the output 1000.

3 Evaluation

- Your implementation will be tested on ten input strings.

- You get one point for each correct output; hence, a maximum of ten points.