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| CS 440 |
| Programming Languages and Translators |
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| MCL: Lex analyzer report |
| 02/12/2017 |

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# Tokens in MCL language

Basic element:

Digit:

ID: (\_)?

Array: "{"" "\*[0-9]+(" "\*","" "\*[0-9]+)\*" "\*"}"

Basic Data;

integer: {Digit}+

matrix: ID

matrix element: ID\[\s integer, integer\s\]

Keyword:

Data Type: int |matrix

Operators:

"+"|"-"|"\*"|"/"|"="

Punctuations:

"("|")"|"["|"]"|","|";"

Space:

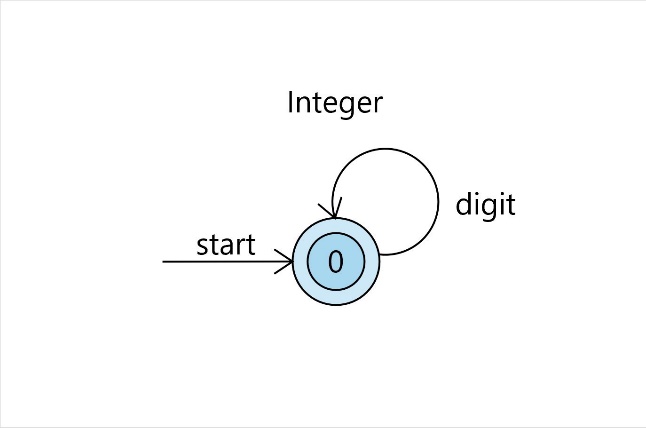
[ \t\n\r]+

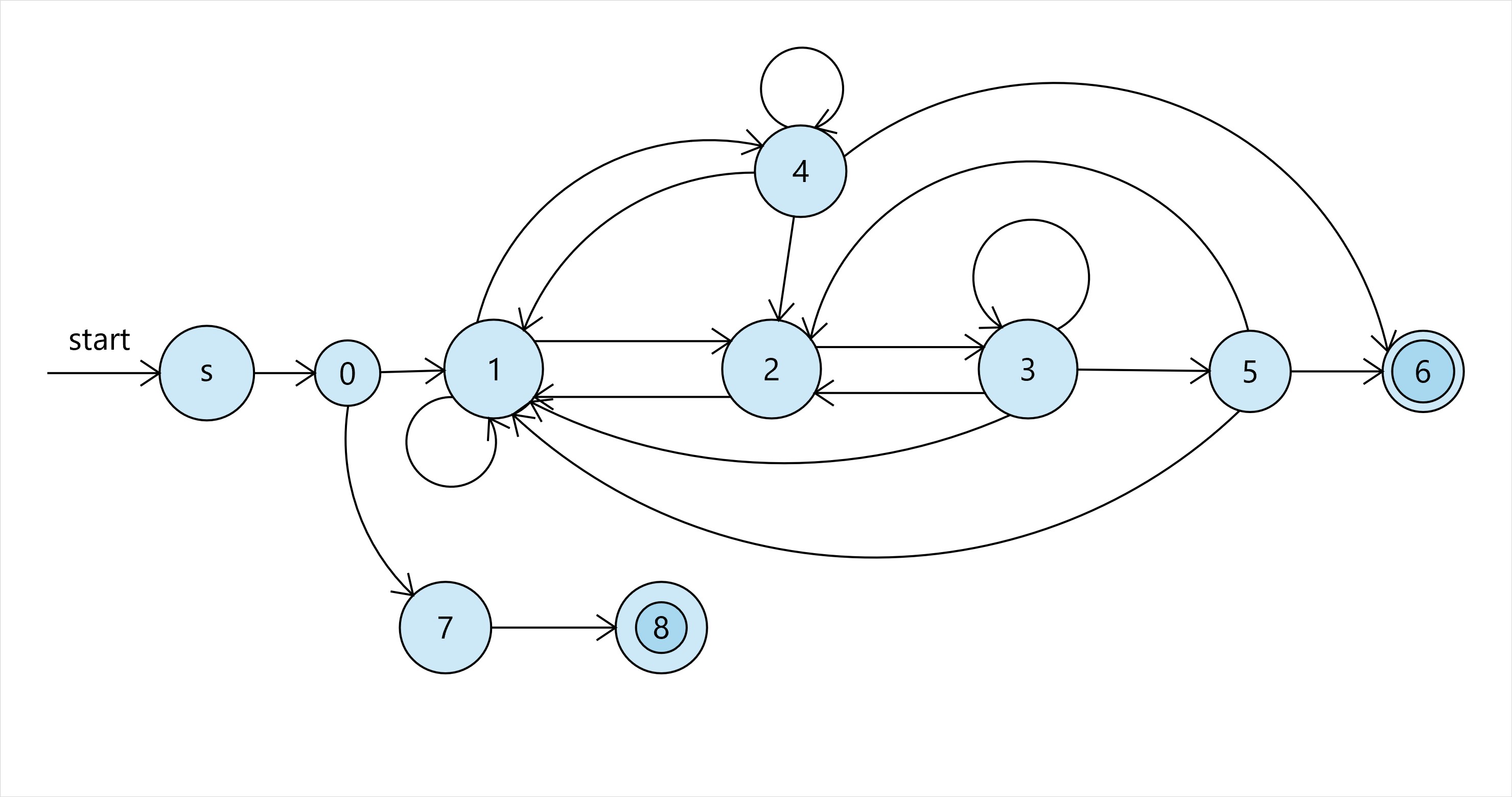
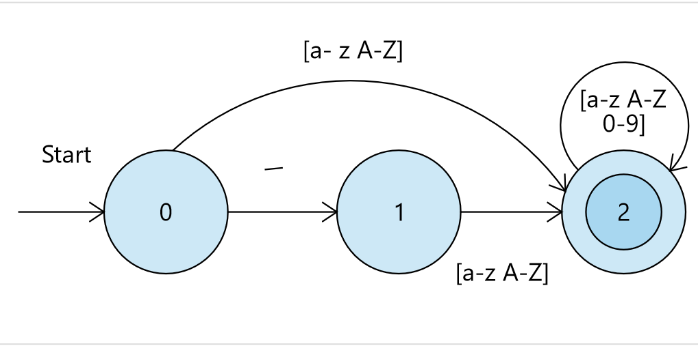
Comments:

Same style like c and c++ comments, everything between “/\*” and “\*/” or “//” and “\n” are comments

\/\\*([^\*\"]\*|\".\*\"|\\*+[^/]|\")\*((\\*\/)|(\\*\\*\/))|\/\/[^\n]\*

# Finite machine





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