Documentation Of Compiler Project

Project Name (Scanner 2)

Member 1 (Team Leader) :-

Name : ***Youssef Medhat Galal***

Id : ***20180721***

Member 2 :-

Name : ***Mohamed Fathy Youssef***

Id : ***20180525***

Member 3 :-

Name : ***Mohamed Maher Fouad***

Id : ***20180527***

Member 4 :-

Name : ***Hasnaa Khaled Soliman***

Id : ***20180200***

Member 5 :-

Name : ***Afnan Talaat Sayed***

Id : ***20180120***

Regular Expressions :-

IDENTIFIER

RE = **Letter**(**Letter** | **Digit**)*

Constant

RE = **Digit**+

Arithmetic Operations

RE = **+** | **-** | ***** | **/**

Logic Operators

RE = **&&** | **||** | **~**

Relational Operators

RE = == | != | <= | >= | < | >

Or RE = (**!** | **=**)= | (**<** | **>**)=?

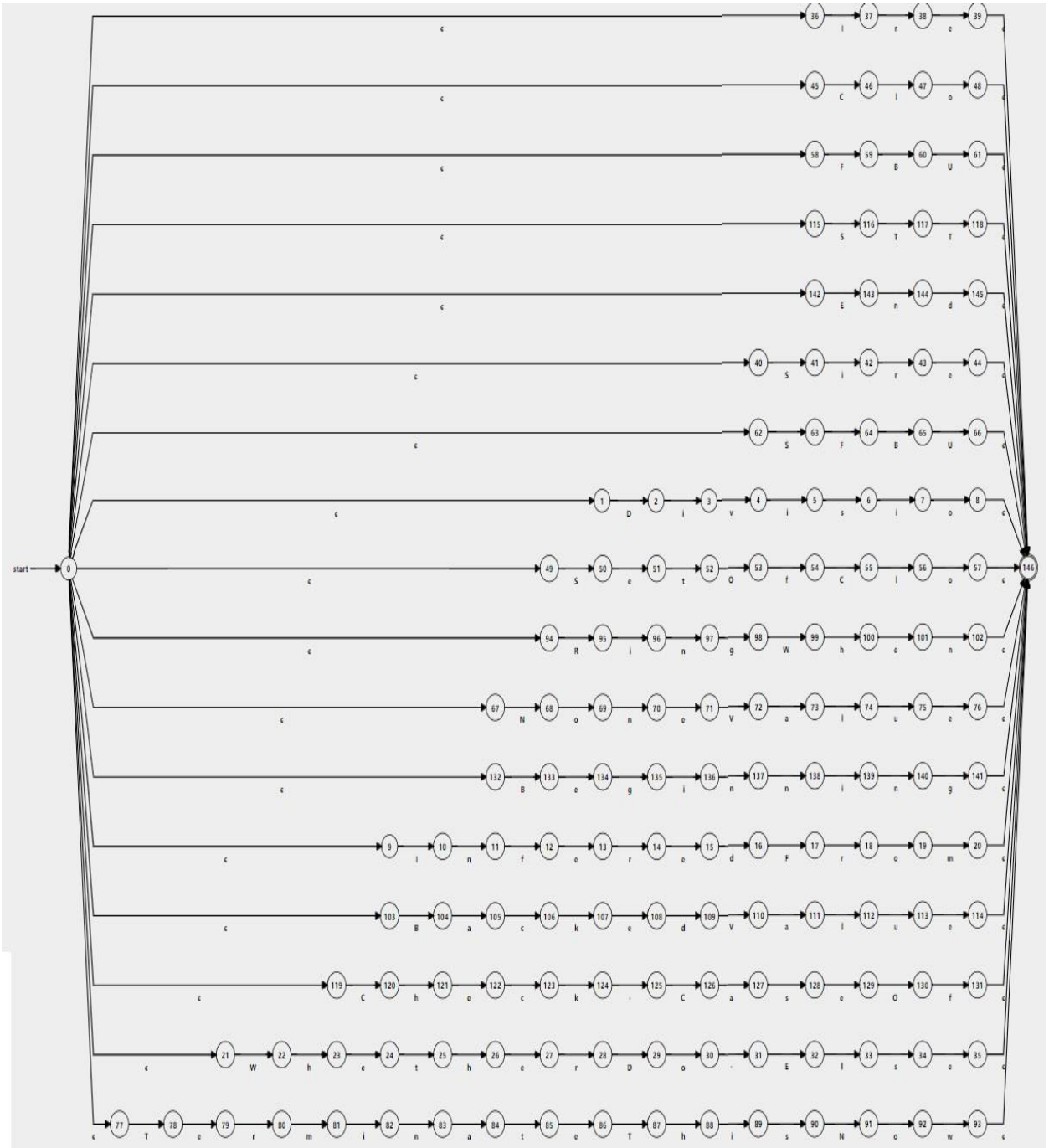
Comment

RE = **/** (**@**| **^**) | **@/**

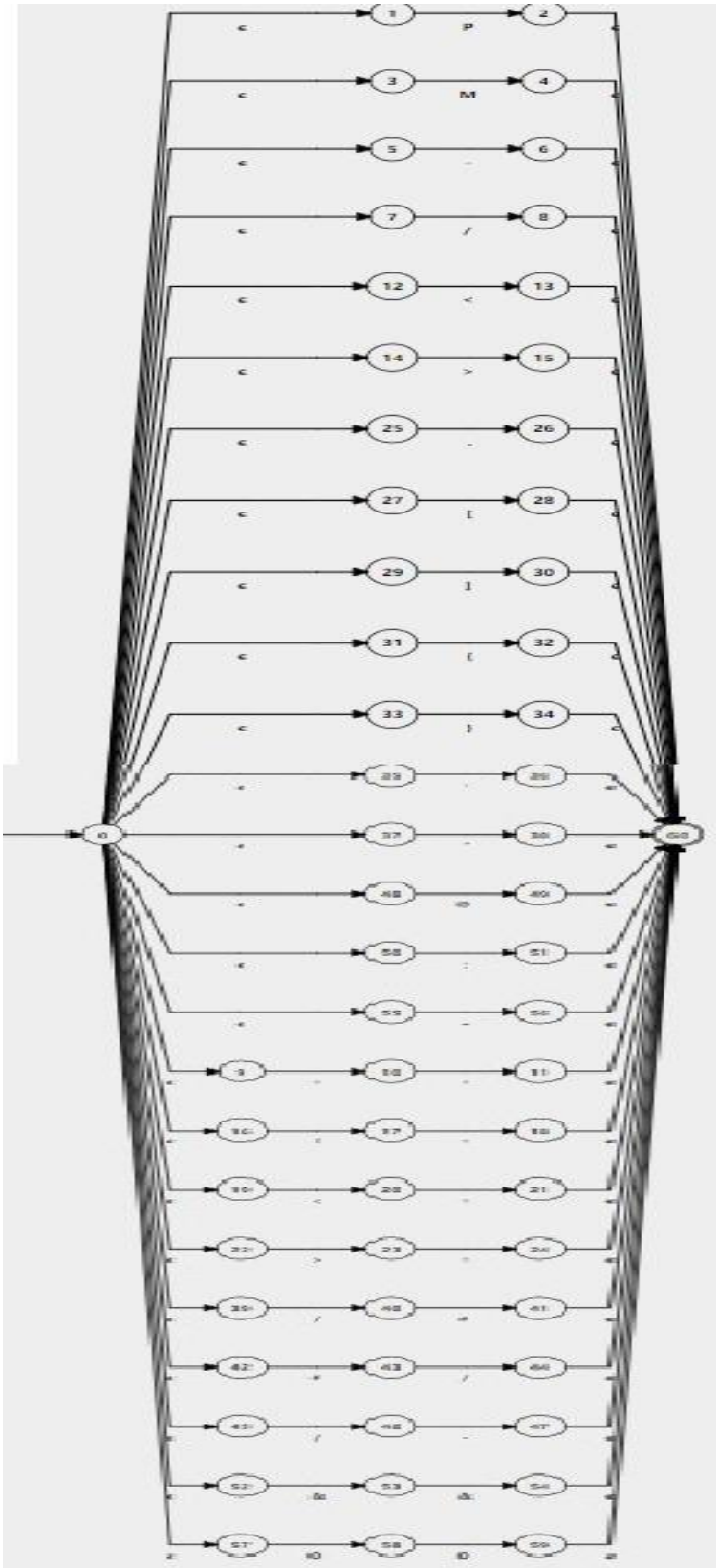
RE = **/@ @/** | **/^**

NFA :-

NFA For Keywords :

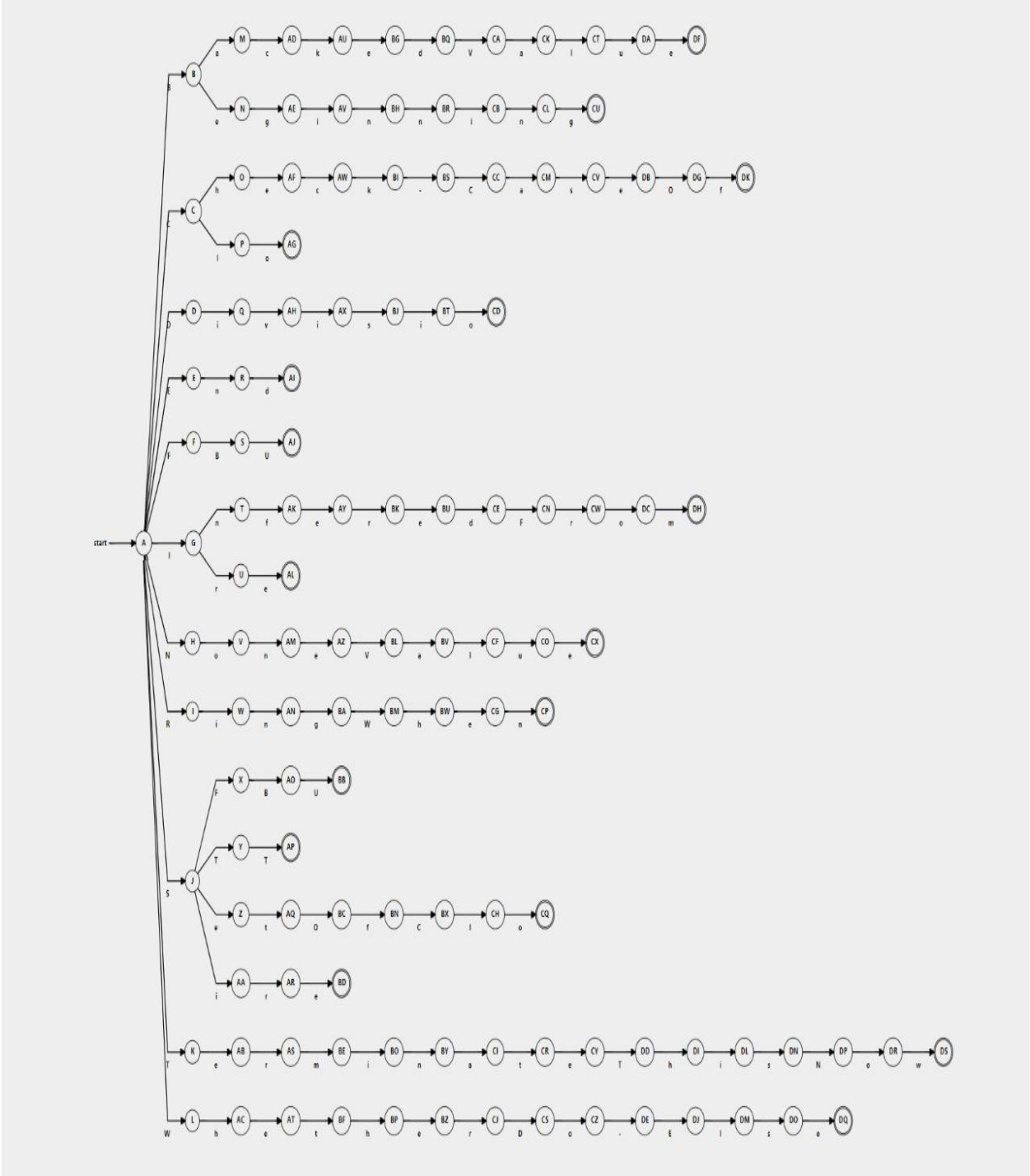
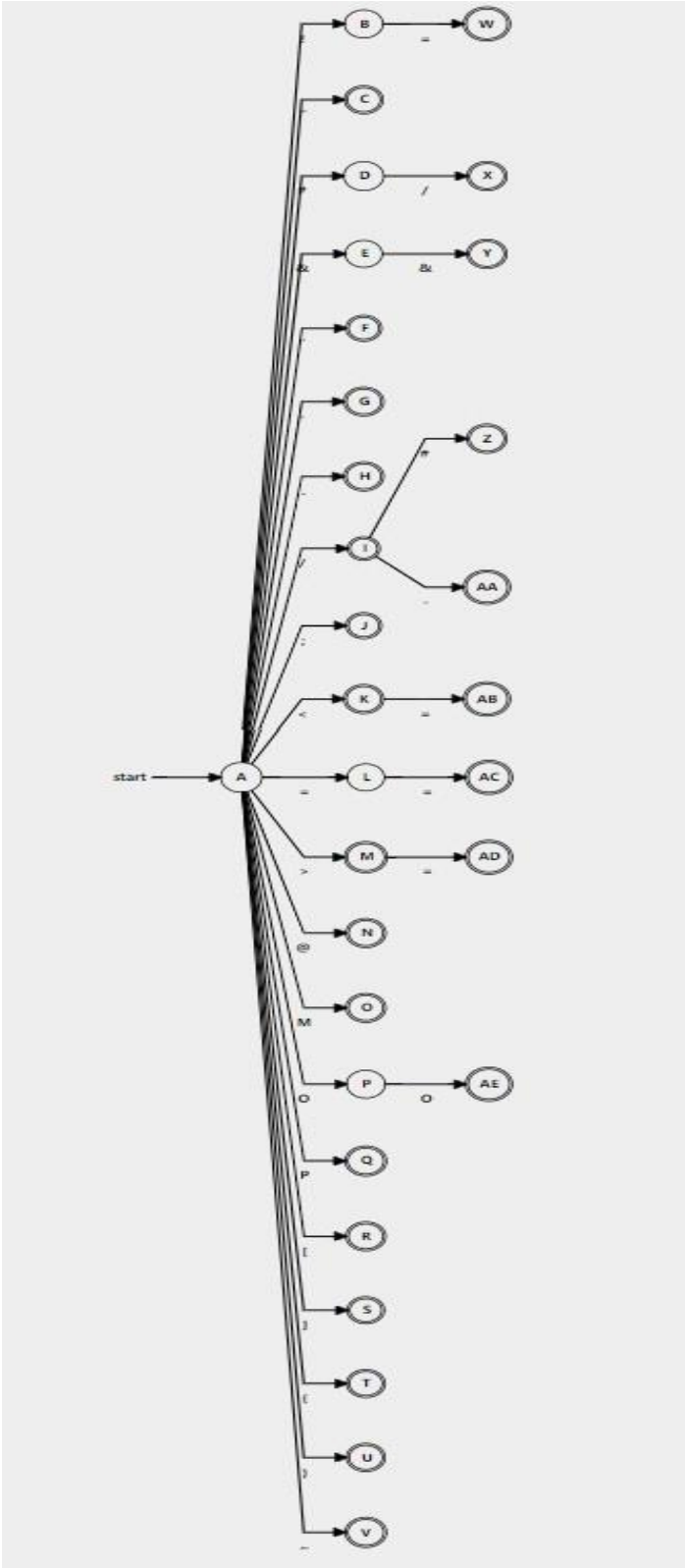


NFA For Symbols :



DFA :-

DFA For Keywords :



DFA For Symbols :