TDT4205 - Exercise 1 Einar Johan Trøan Sømåen (somaen)

Task 1:

GCC 4.2.4

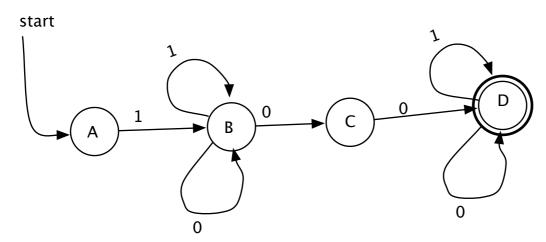
Flex 2.5.34

Bison 2.3

Task 2:

A lexical analyzer parses the input into valid tokens (if it consists of valid lexema), while an acceptor merely determines whether the input is valid lexema for our language.

Task 3:



1(0|1)*00(0|1)*

I have named my states A-D to avoid confusion with the numbers used for transition-values.

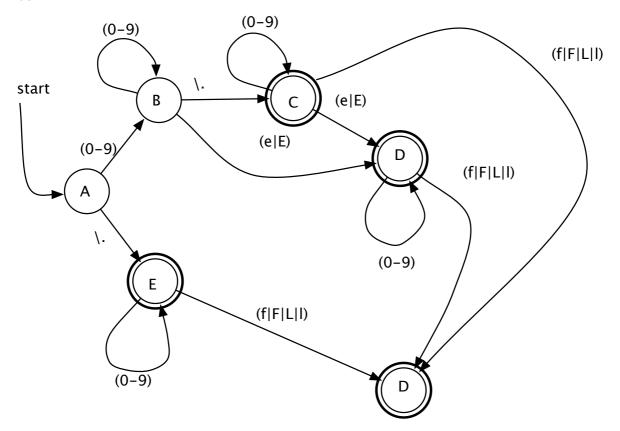
3.2: This language describes any binary number that starts with 1, and then has any number of 0s or 1s followed by a pair of 00s and then any number of 0s or 1s Valid examples:

100 10101010100111 111100 11100110011010

3.3

STATE	0	1
Α	Ø	{B}
В	{B,C}	{B}
С	{D}	Ø
D	{D}	{D}

Task 4:



Task 5: See attached source-code.