COMP23

Lexical	FSA	REs
Identifier	State 1 →[a-z,A-Z,_] State 2 (LX_IDENTIFIER), loop [a-z,A-Z,0-9, _]*	[a-z,A-Z,'_'].[a-z,A-Z,0-9,'_']*
Number	State 1 →(-) State 2 →[0-9] State 3 (LX_INTEGER) loop [0-9], →(.) State 4 →[0-9] State 5 (LX_FLOAT) loop [0-9]; State 1 →[0-9] State 3	$(- \mid \lambda).[0-9]^{+}.('.'.[0-9]^{+} \mid \lambda)$
String	State 1 →(") State 2, loop ch, →(") State 3 (LX_STRING). ch != '\n' && ch!= ' " '	' " '.[^\n "]*.' " ' [^\n"]any character except newline and "
Comments	State 1 →(#) State 2 →(#) State 3, loop ch, →(#) State 4 →(#) State 5. State 3 →(\n) State 5. ch !='\n' && ch!='#'	#.#.[^#\n]*.(#.# |'\n') [^#/n]any character except newline and #