

1. Assume the following rules of associativity and precedence for expression:

Precedence	Highest	* , / , not
		+ , - , & , mod
		-(unary)
		= , /= , < , <= , >= , >
		and
	Lowest	or , xor
Associativity	Left to right	

Show the order of evaluation of the following expressions by parenthesizing all subexpressions and placing a superscript on the right parenthesis to indicate order. For example, for the expression

$$a + b * c + d$$

the order of evaluation would be represented as

$$((a + (b * c)^1)^2 + d)^3$$

- $a * b - 1 + c$
 - $a * (b - 1) / c \text{ mod } d$
 - $(a - b) / c \& (d * e / a - 3)$
 - $\neg a \text{ or } c = d \text{ and } e$
 - $a > b \text{ xor } c \text{ or } d \leq 17$
 - $\neg a + b$
2. Show the order of evaluation of the expressions of the above expressions, assuming that there are no precedence rules and all operators associate right to left.