Consider the precedence levels of the relational operators, logical operators, and the arithmetic operators in our Biola language as depicted above. Read the online documents about the infix-postfix conversion and the postfix evaluation first and then do (i) to (v) in the following.

Go through the steps in infix-postfix conversion to convert the following two infix expressions into their corresponding postfix expressions:

i. \( 1 + 2 \times 3 - 4 / 2 \)
ii. \( 5 + 6 \times (4 - 3) / (2 + 1) \)

Go through the steps in postfix evaluation to evaluate the following two postfix expressions:

iii. \( 5.0 \ 3.0 \ 7.0 \ 4.0 \ 1.0 \ 2.0 \ + \ / \ - \ * \ + \)
iv. \( 1.0 \ 2.0 \ 3.0 \ * \ + \ 4.0 \ 2.0 \ / \ - \)

Convert the following infix expression into the corresponding postfix expression, and then evaluate it. Show both the postfix expression you got and the result of the postfix evaluation.

v. \( 1 + 2 \times 6 < 4 \times 3 - 5 \ && 7 \ != 8 \)