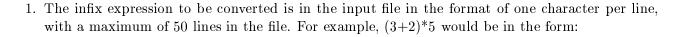
## 727 Equation

## Input and Output

Write a program that changes an infix expression to a postfix expression according to the following specifications.



( 3 + 2 ) \*

5

- 2. The input file contains only one infix expression. There are no blank lines.
- 3. The program will only be designed to handle the binary operators +, -, \*, /.
- 4. The operands will be one digit numerals.
- 5. The operators \* and / have the highest priority. The operators + and have the lowest priority. Operators at the same precedence level associate from left to right. Parentheses act as grouping symbols that over-ride the operator priorities.
- 6. The output file will have the postfix expression all on one line.
- 7. The input will be an expression with valid syntax.

## Sample Input

( 3 + 2 ) \* 5

## Sample Output

32+5\*