|  |  |  |
| --- | --- | --- |
| **Operation to be tested & description of action** | **Input Values** | **Expected Values** |
| **InfixToPrefix:** | A+B\*C | ABC\*+ |
| (A+B\*(C-D))/E | ABCD-\*+E/ |
| A+B\*C/D-E | ABC\*D/+E- |
| ((A\*B+C)-(D/E-F)\*G) | AB\*C+DE/F-G\*- |
| ((A\*B)\*(C+D)+E\*(F/G)/H) | AB\*CD+\*EFG/\*H/+ |
| A\*((B-C) | Does not convert because the parentheses don’t match up |
| (((((((((((((A))))))))\*(B)))))) | AB\* |
| (((((((((((((A)))))+)))\*(B)))))) | Does not convert because the operands to operators ratio is incorrect |
| ((A)\*B)) | Does not convert because the parentheses don’t match up |
| \*BA | Does not convert because expression begins with operator |