1. Find an assignment for the variables that makes the following expression true, if there is any such assignment.

\[
(/F+A+B) */(F+/A) */(F+/B) */(G+/A+/B) */(G+/A) */(G+B) */(Z+/F+G) */(X+F+/G) \\
*(/X+/F) */(X+G) */(/Z+F) */(Z+/G) */(X+Z)
\]

<table>
<thead>
<tr>
<th>Assignment Exist?</th>
<th>A</th>
<th>B</th>
<th>F</th>
<th>G</th>
<th>X</th>
<th>Z</th>
</tr>
</thead>
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2. Find an assignment for the variables that makes the following expression true, if there is any such assignment.

\[
(/F+A+B) */(F+/A) */(F+/B) */(G+/A+/B) */(G+/A) */(G+B) */(Z+/F+G) */(X+F+/G) \\
*(/X+/F) */(X+G) */(/Z+F) */(Z+/G) */X
\]

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