

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

$$\begin{aligned}
 & (/F+A+B) * (F+/A) * (F+/B) * (G+/A+/B) * (/G+A) * (/G+B) * (Z+/F+G) * (X+F+/G) \\
 & * (/X+/F) * (/X+G) * (/Z+F) * (/Z+/G) * (X+Z)
 \end{aligned}$$

Assignment Exist?	A	B	F	G	X	Z

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

$$\begin{aligned}
 & (/F+A+B) * (F+/A) * (F+/B) * (G+/A+/B) * (/G+A) * (/G+B) * (Z+/F+G) * (X+F+/G) \\
 & * (/X+/F) * (/X+G) * (/Z+F) * (/Z+/G) * X
 \end{aligned}$$

Assignment Exist?	A	B	F	G	X	Z