Lab 04b Program 1: Evaluating Booleans

By submitting this assignment, I agree to the following:
"Aggies do not lie, cheat, or steal, or tolerate those who do"
"I have not given or received any unauthorized aid on this assignment"

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Variable definitions

```
1  a = True
2  b = True
3  c = False
```

Problem A

```
1  a or b and c
2  True or (b and c)
3  True
```

Problem B

```
1  (not (a and not b) or (not c and b)) and (not b) or (not a and b and not c)
       or (a and not b)
2  (not (True and not True) or (not False and True)) and (not True) or (not
       True and True and not False) or (True and not True)
3  (not (True and False) or (True and True)) and False or (False and True and
       True) or (True and False)
4  (not False or True) and False or False or False
5  True and False or False or False
6  False
```

Problem C

```
1  (not ((b or not c) and (not a or not c))) or (not (c or not (b and c))) or
       (a and not c) and (not a or (a and b and c) or (a and ((b and not c) or
       (not b))))
2  (not ((True or not False) and (not True or not False))) or (not (False or
       not (True and False))) or (True and not False) and (not True or (True
       and True and False) or (True and ((True and not False) or (not True))))
3  (not ((True or True) and (False or True))) or (not (False or not (True and
       False))) or (True and True) and (False or (True and True and False) or (
       True and ((True and True) or False)))
4  (not (True and True)) or (not (False or not False)) or True and (False or
       False or (True and (True or False)))
5  (not True) or (not True) or True and (False or False or (True and True))
6  False or False or True and (False or False or (True and True))
7  False or False or True
8  True
```