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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Section: 219
Assignment: 04b Program 1
Date: 14 09 2020

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
```