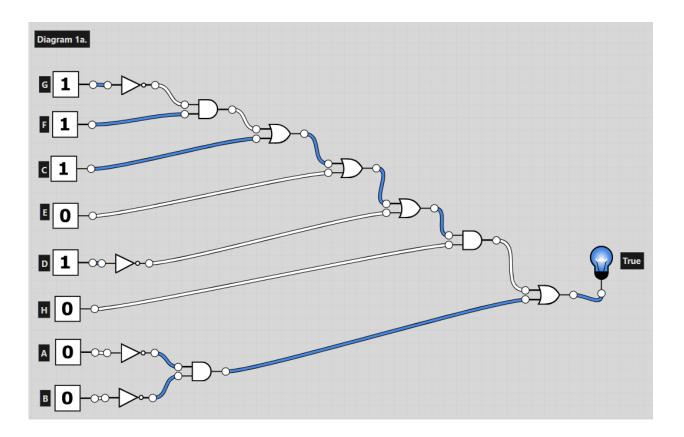
Part I

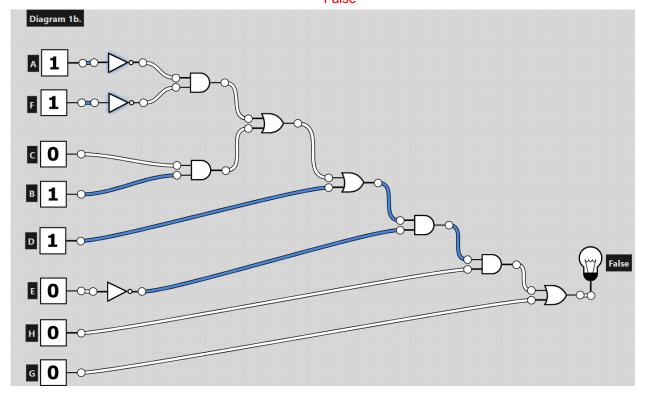
1a.



Screenshot 1a:

((((NOT A) AND (NOT F)) OR (C AND B) OR D) AND (NOT E)) AND H OR G
((((NOT True) AND (NOT True)) OR (False AND True) OR True) AND (NOT False)) AND False OR False
((((False) AND (False)) OR (False) OR True) AND (True)) AND False OR False
(((False) OR (False) OR True) AND (True)) AND False OR False
(((True) AND (True)) AND False OR False
True AND False OR False
False OR False

False



Screenshot 1b:

2a) animalList = myList[:7:2]

- The animals in the list are "tiger", "buffalo", "horse", "cat"
- Animals appear from index 0-6, every two elements
- myList[:7:2] returns a list including all elements from myList between index 0(inclusive) to 7(exclusive), every 2 elements
 - Returns elements of myList at indexes 0, 2, 4, 6

Screenshot 2a:

2b) primeNumList = myList[8:15:3]

- The prime numbers in the list are 2, 3 and 5
- Prime numbers appear from index 8-14, every 3 elements
- myList[8:15:3] returns a list including all elements from *myList* between index 8(inclusive) to 15(exclusive), every 3 elements
 - o Returns elements of myList at indexes 8, 11, 14

Screenshot 2b:

2c) greaterList= myList[13:16:2]

- The numbers greater than 70 in the list are 80 and 100
- Numbers greater than 70 appear from index 13-15, every 2 elements
- myList[13:16:2] returns a list including all elements from myList between index 13(inclusive) to 16(exclusive), every 2 elements
 - Returns elements of myList at indexes 13, 15

Screenshot 2c:

```
* 2c,py > ...

1     myList = ["tiger", 4, "buffalo", 6, "horse", 8, "cat", 1, 2, 50, 60, 3, 70, 80, 5, 100]

2     greaterList = myList[13:16:2]

3     print(greaterList)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SERIAL MONITOR

PS C:\Stuff\VSCode\COMP_1005_1405\101331395_A1> & C:/Users/derek/AppData/Local/Programs/Python/Python312/python.exe c:/Stuff\VSCode/COMP_1005_1405\101331395_A1/2c.py

[80, 100]

PS C:\Stuff\VSCode\COMP_1005_1405\101331395_A1> 

| C:\Stuff\VSCode\COMP_1005_1405\101331395_A1> | |
```

2d) substring = myList[2].strip("buo")

- Substring "ffal" appears in "buffalo", index 2 in myList. (myList[2])
- .strip("buo") removes the specified characters b, u, o from both ends of the string until it reaches a character that isn't specified in the strip command.
- myList[2].strip("buo") removes all occurrences of characters b, u, o from "buffalo". As a result, only "ffal" is returned.

Screenshot 2d: