If Bob buys a Plane or Bus, he won't be killed.

Based on this, finish off the following statement:

$75. Plane or bus tickets to CA cost $175, while bus tickets cost $300. But over $300, Shirley in CA, who's going to kill him if he doesn't pay off the money in person in a weekend. Plane tickets to CA cost $175, while bus tickets cost $300. But over $300, Shirley in CA, who's going to kill him if he doesn't pay off the money in person in a weekend.

As you wait for class to start, answer the following:

Review Problem 0

ECE271
271: Introduction to Digital Circuits and Systems

- Professor Scott Hauck, EEB-307Q
  (hauck@uw.edu)

- Office Hours: stop by or email w/schedule for a slot


- TAs (EEB-361):
  * Nick Sycamore (ys264@uw.edu)
  * Pengyu Yang (yangp8@uw.edu)
  * Brian Hsu (brianhsu@uw.edu)

- TA Office Hours: most times most weekdays
  (check website)
Seen some good ways to use Zoom/etc.? Email me please!

Answers - send chat message just to me.

Questions - raise hand.

Stay muted until called on.

Please leave cameras on - but I won't force it.
<72 hours: not accepted
72 hours: -60%
48 hours: -30%
24 hours: -10%

Late penalties:

Specified date:

Homework is due at the end of class on the

Mon. Mar. 15 2:30-4:10
Wed. 2/10 during class
Thurs. 2/5
Fri. 2/6
Due Tues. 2/7
Next week

20% - Final Exam
15% - Midterm Exam
40% - Labs
25% - Homeworks

Grading
Potentially fail class, be expelled from UW.
Report of Academic Misconduct to Dean's Level.
Loss of twice the points of that assignment.

Violation of these rules is at minimum:
Checking homework answers between groups
Developing a lab together

Not OK:
Help in debugging, tools peculiarities, etc.
Talking about general approaches
Discussing lectures or readings
Studying together for exams

OK:

Other source:
All submitted student work must be from their own efforts, and not any specifics of homeworks.
Students may not collaborate on labs/projects, nor between groups on the
Labs will be done alone, homeworks in groups of 1-2.

Joint Work Policy
Grounds for failing the class:
Failure to make a good-faith effort at the labs is
Labs are an integral portion of the class learning.

Signups for lab demos will be posted shortly.
Homeworks, class materials, etc.
TAs have large blocks of office hours to help with labs.
There are no specific assigned lab times.
Each student assigned a lab kit; can work wherever.

Labs:

Class & Lab Meetings
Implementation

Class covers digital logic design &

Portable Electronics

Cellphones

Electrical Appliances

Robots

Car electronics

Computers & the Internet

Electronics an increasing part of our lives

Readings: 1.1-1.3, 1.5-1.6.2, 2.1-2.2.2

Motivation
HIGHS, high beam selected:

\[ H_B = \text{lit} \quad \text{AND} \quad H_B \]

\[ F = 100 \quad T = 150 \]

Door Ajar (DriverDoorOpen, PassDoorOpen):

Example: Car Electronics
Passenger present:
Seat Belt Light (driver belt in, passenger belt in)

$SB_L = \text{NOT}(DBI) \land (\text{NOT}(DBI) \land PP)$

Example: Car Electronics (cont.)
Inverter (NOT): If A is False, then Out is True

OR: If any input is True (A or B), then Out is True

AND: If all inputs are True (A and B), then Out is True

Basic Logic Gates