

PHY 420, Fall 2019

Problem Set #1

Assigned: August 26

Due: August 30

Part I: Watch the “Cheryl’s Birthday” video at the link below then answer the following questions.

<https://www.youtube.com/watch?v=emiMj8cCL5E>

1. What did you find to be the most interesting aspect of the discussion in this video?
2. What is going on in this problem and why is it so confounding? That is, what is happening when Albert and Bernard make their statements?
3. When is Cheryl’s birthday? Prove this by presenting the logic tables that lead to your answer.

Part II: Complete every problem in the PHY201 review packet.