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APCS

14 September 2017

Logical Sentence Puzzle Readme

- 1) For this assignment, we were given the main for a program and told to write said program. Our program had to resolve all errors thrown when it is first inserted into Eclipse, and had to work in a manner that made sense in context of the names of the methods in the main.
- 2) My code fulfills all requirements, as it runs as expected and carries out tasks implied by the method names. It also does not throw any errors when it is run, and thus is fully functional. Also, my documentation satisfies the specifications stated by the AP CS Documentation Standards Google Doc.
- 3) I could definitely improve upon the conciseness of my code, especially my truthTable method, since it calls `System.out.println()` nine times. Nested for loops would definitely have cleaned it up. My legal method isn't all that great either, as it is quite chunky; I just used my legalSentence method from another assignment and tweaked it a bit.
- 4) I encountered a few major challenges during my coding. For the longest time, I couldn't figure out how to write the evaluate methods in each of the classes. In the end, I asked some of my peers, and they explained that I had to make arraylists for proposition constants and the truth values, and find the truth value for a specific proposition constant using the arraylists. Copying the arraylist into other methods was another obstacle to overcome, since I overthought it quite a lot; after a while, though, I managed to use a getter and a for loop to transfer the arraylist between classes.

- 5) I would like to thank Anuva Banwasi, Amy Lin, and Amelia Mao for their help with my program. Whenever I had questions, they would explain the concepts of the assignment and help me resolve syntax errors.