

Homework #4 on “Deduction through the Ages: History of Truth”

Follow the separate general guidelines for Parts A,B,C. Be sure to include and label *all four* standard parts a,b,c,d of Part A in what you hand in.

A: To hand in one class period before discussion.

a. Read section 5 of the project.

Reading questions (RQ) for part a of Part A:

1. What was Frege seeking a logical basis for?
2. What does a “judgement stroke” do to a proposition? What are the two possible results of the judgement stroke applied to a proposition?
3. In §12, Frege introduces *condition stroke*. How many different possible combinations are there for the True and False values of ξ and ζ ? List them. State the value of the condition stroke for each of these possibilities, and explain why this is correct.
4. In §12, there are three displayed propositions following the words “The following propositions hold:” Explain why each of the three propositions is true.
5. Three sentences later, Frege makes a displayed claim after the word “Consequently”. Explain why he claims this, using the previous sentence.

Don’t forget to do parts b, c, d for Part A as explained in the guidelines.

B: Warmup exercises: Will be assigned in class.

C: Main exercises. Will be assigned in class.