

HANDOUT II: HW ASSIGNMENT 4

LOGIC 360

NOVEMBER 7, 2017

Due by class time on November 21, 2017. Each is worth 10 points.

Problem 1.

Specify a function, multiplication*, that the multiplication symbol ' \times ' could be referring to in the countermodel for \mathcal{Q} . Briefly explain why it successfully plays the role it needs to within the countermodel.

See Smith, pp. 69–70.

Problem 2.

Prove that \mathcal{Q} (Robinson Arithmetic) meets condition $\mathcal{O}4$ for order-adequacy.

See Smith, pp. 73–74 and 81–82.