

Index to Homework 11: Proof by Induction

Questions of Homework 11:

Note: There was no handout for Lecture 11, so the homework was just assigned in class. Reading assignment was PtMW, Section 8.4 and Section 8.5.7. Exercises: PtMW pp. 232-233, Exercises 4 and 5, optionally 3, optionally 6 (about the ‘proof’ that all horses are the same color.)

For this homework, we have just put complete homeworks on the web, rather than break them up by question. Annotations are added as needed. We have here a total of two 4’s, two 5’s, and two 6’s.

HW11Set1: Exercise 5 (proof by induction about distributivity): correct.

HW11Set2: Exercise 4 (proof by induction about cardinality of power sets): correct. Exercise 6 – about the horses. Not correct. Instructors’ comments embedded.

HW11Set 3. Exercises 4, 5, and 6, with annotations.