

Homework 11

Due: 2014.1.3 midnight

Problem 1 Prove that the class of recursive sets is properly contained in the class of recursively enumerable sets.

Problem 2 Consider the problem of enumerating names for the recursive sets. We said it depended on what we meant by names for recursive sets. Explain the two possible interpretations of names and show that for the stronger interpretation it is not possible to enumerate the names. Show that it is possible to enumerate the names with the weaker interpretation.

Happy New Year!