

Theory of Computation

homework 2
Due: 10/21/2014

Problem 1 Show that if L_1 and L_2 are recursively enumerable languages, then so is $L_1 \cup L_2$.

Problem 2 Show that the language

$$A = \{(M; x) \mid M(x) = \text{"Yes"}\}$$

is undecidable.