Math 30200 / CS 38000, Winter 2024: Assignment 7 Due Friday, March 1st

1. Do Exercise 7.3.7 in Soare.

2. Do part (ii) of Exercise 7.3.8 in Soare.

3. Do Exercise 7.6.3 in Soare. When Soare says that the C_j 's are a computable sequence of noncomputable Δ_2^0 sets, he means that each C_j is non-computable, and the C_j are uniformly Δ_2^0 , i.e., there is a single computable f such that $C_j(n) = \lim_s f(j, n, s)$ for all j and n.