1. Do Exercise 3.8.10 in Soare. Also, give an intuitive explanation of why we should not expect to have $A \leq_{wtt} D$ in general, where $A$ and $D$ are as in that exercise. (If you can actually prove that there is an $f$ such that $A \not\leq_{wtt} D$ then do so, but that might be difficult.)

2. Read Section 6.2 in Soare and do Exercise 6.2.8 (i). (We have seen how to show that $b$ exists using the measure of cones, but for this exercise, do a direct construction like the ones in this section.) What upper bound can your place on the degree $b$ you construct in your solution to this exercise?

3. Read Section 2.3 and do Exercise 2.8 in Slicing the Truth.