1. Write a program that has
   – as input a number \( I \) - like \((s(s(s(0))))\)
   – as output the list \([I, \ldots, 0]\)

2. Write a program that has
   – as input a number \( I \)- like \(3\)
   – prints the numbers \(I, \ldots, 0\)
   * The predicate \(\text{write}(X)\) prints \(X\)
   * To compute \(I-1\), write \(J\) is \(I-1\)

3. Write a program that returns the maximum of a nonempty list of numbers.
   * Use a help predicate that has the maximum so far as input.

4. Write a program that has
   – as input a number \(M\) - like \((s(s(s(0))))\)
   – a list of numbers \(L\)
   – as output the list obtained by multiplying each element of \(L\) by \(M\).
   * Use \(\text{times}/3\) for the multiplication

5. If you are bored: read § 3.5 and try the exercise.