Reducibility Relations with applications in multidimensional symbolic dynamics

I. What is computability?
   1. The Church-Turing thesis
   2. Reducibility relations
   3. Computability on sets of integers
   4. The Machinery of computability - Berger and Robinson theorems

II. Computability on other spaces
   1. Computability on real numbers - The Hochman-Meyerovitch theorem
   2. Computability on Cantor sets - The Hochman theorem

III. Higman-type results
   1. Combinatorial group theory
   2. The Hochman theorem as a Higman-type theorem
   3. The Aubrun-Sablik theorem as a relativized Higman-type theorem
   4. An analogue of Thompson theorem in symbolic dynamics

IV. Fixed-Point tile sets
   1. A simulation order on tilesets
   2. To understand recursion, you must first understand recursion
   3. The idea behind the fixed-point construction