

4. Prove or disprove (see Definition 4): If $r \equiv_{\{\}} s$ then $P(r) = s$ for some permutation P .

5. Provide an implementation of the *prev* function over an array (Section 2.2).

6. Provide examples illustrating the action of the projection and selection operators (Definitions 6 and 7).

7. Provide declarative specifications of the projection and selection operators.