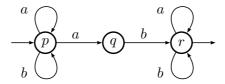
Prerequisite test for the Weighted Automata and Transducers part

Let A_1 be the automaton represented in the following figure:



- 1. Compute the determinisation $\widehat{\mathcal{A}}_1$ of \mathcal{A}_1 .
- 2. Compute the minimal automaton of the language accepted by A_1 .
- 3. Compute the product of A_1 by the transpose of A_1 .
- 4. What is the question that you expected and that was not asked?