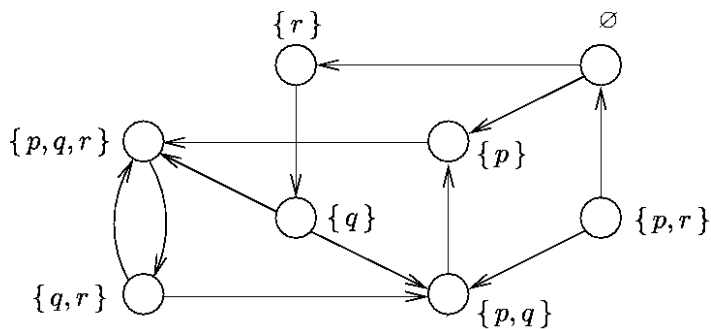


Exercises for “Formal Specification and Verification”  
Exercise sheet 10

**Exercise 10.1:**

Consider the following transition system:



Compute  $\text{sat}(E(p\mathcal{U}q))$  using the method presented on slide 21 of the slides presented in the lecture on Monday, 7.01.2019 (file temporal-logic3.pdf).

Please submit your solution until Sunday, 13.01.2018 at 20:00. Please do not forget to write your name on your solution.

Submission possibilities:

- By e-mail to [sofronie@uni-koblenz.de](mailto:sofronie@uni-koblenz.de) with the keyword “Homework FSV” in the subject.
- Hand it in to me (Room B225) or drop it in the box in front of Room B224.