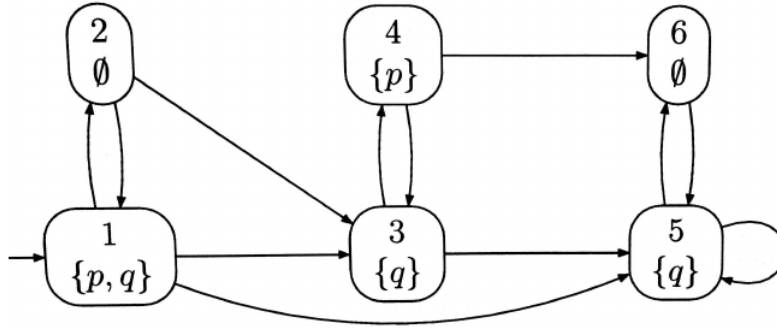# Lab 3 - Exercise 4

Andrei Cristian

mailto:andrei.cristian1@info.uaic.ro

March 7, 2021

1 Exercise 6

For the Labelled Transition System below, compute the following sets of states:

1. $[\![EF_p]\!]$

2. $[\![AF_q]\!]$

3. $[\![\varphi]\!]$, where $\varphi = E(qU(p \wedge \neg q)$

4. $[\![\varphi]\!]$, where $\varphi = EGq \vee (EGp \wedge EFq)$

2 Solving of exercise 6