

Exercise 4 – SDN Controllers

1. Controllers Overview (30P)

- a) (20P) What are the two main approaches to implement controllers? What are their advantages and disadvantages? Give two examples for each approach.
- b) (10P) Please list at least three criteria that can help in choosing the right controller for a certain task.

2. Distributed Controllers (30P)

- a) (10P) Please name and explain the main challenges of a distributed controller.
- b) (20P) What is weak consistency and what is strong consistency in terms of controller policies? Why and where is strong consistency needed?