Exercise 5 – SDN and Security

1. Attack Vectors (35P)

a) (35P) Please describe at what points in the SDN architecture an attacker can launch attacks. What are example attacks at each of these points? Which of those are specific to SDN?

2. Defense Solutions (55P)

a) (20P) What attack(s) is AvantGuard defending against? What is the main idea behind this approach?

b) (25P) What attack(s) is TopoGuard defending against? What is the main idea behind this approach?

c) (10P) What kind of scenario is SPHINX defending against? What is the main idea behind this approach?