📖 **homework10.md**

Homework 10 - SDN

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1. Simple Forwarding Behaviour:

- S3 entry table

Code	Actions
if dest IP == 10.2.* and ingress_port == 1 or ingress_port == 2:	send to interface 3

- S1 entry table:

Code	Actions
if dest IP == 10.2.* and ingress_port == 1	send to interface 4

- S2 entry table:

Code	Actions
if dest IP == 10.2.0.4	send to interface 4
if dest IP == 10.2.0.3	send to interface 3

2. Load Balancing:

- S2 entry table:

Code	Actions
if dest IP == 10.1.* and source IP == 10.2.0.4	send to interface 1
if dest IP == 10.1.* and source IP == 10.2.0.3	send to interface 2

- S1 entry table:

Code	Actions
if dest IP == 10.1.0.1	send to interface 2
if dest IP == 10.1.0.2	send to interface 3

- S3 entry table

Code	Actions
if dest IP == 10.1.*	send to interface 3