```
ubuntu@ip-1/2-31-84-23/:~$ simple_switch_CLI --thrift-port 9090
                                                                                                       aws
                                                                                                               Services
Obtaining JSON from switch...
                                                                                                                            Q Search
                                                                                                                                                                                   [Option+S]
Control utility for runtime P4 table manipulation
                                                                                                     ubuntu@ip-172-31-84-237:~$ rm -rf o*
RuntimeCmd: table_add 12_forwarding forward 00:00:00:00:00:01 => 1
                                                                                                     ubuntu@ip-172-31-84-237:~$ nano o3.p4
Adding entry to exact match table 12_forwarding
                                                                                                     ubuntu@ip-172-31-84-237:~$ p4c --target bmv2 --arch v1model --std p4-16 o3.p4
match kev:
                  EXACT-00:00:00:00:00:01
                                                                                                     ubuntu@ip-172-31-84-237:~$ sudo python3 topology.py
action:
                  forward
runtime data:
                  00:01
                                                                                                     *** Creating network
Entry has been added with handle 0
                                                                                                    *** Adding hosts:
RuntimeCmd:
             table_add 12_forwarding forward 00:00:00:00:00:02 => 2
                                                                                                    h1 h2
Adding entry to exact match table 12_forwarding
                                                                                                     *** Adding switches:
match kev:
                  EXACT-00:00:00:00:00:02
                                                                                                    s1
action:
                  forward
runtime data:
                  00:02
                                                                                                     *** Adding links:
Entry has been added with handle 1
                                                                                                     (h1, s1) (h2, s1)
RuntimeCmd: table_add tbl_select_level set_bucket 10.1.2.3/32 => 1
                                                                                                    *** Configuring hosts
Adding entry to lpm match table tbl_select_level
                                                                                                    h1 h2
match kev:
                  LPM-0a:01:02:03/32
                                                                                                    *** Starting controller
action:
                  set_bucket
runtime data:
Entry has been added with handle 0
                                                                                                    *** Starting 1 switches
RuntimeCmd: table_add tbl_select_level set_bucket 10.1.2.4/32 => 2
                                                                                                    s1
Adding entry to lpm match table tbl_select_level
                                                                                                     *** Starting CLI:
match key:
                  LPM-0a:01:02:04/32
                                                                                                    mininet> h1 arp -s 10.1.2.4 00:00:00:00:00:02
action:
                  set_bucket
runtime data:
                                                                                                    mininet> h2 arp -s 10.1.2.3 00:00:00:00:00:01
Entry has been added with handle 1
                                                                                                    mininet> h1 ping h2
RuntimeCmd: register_read ip_count_register 0
                                                                                                   PING 10.1.2.4 (10.1.2.4) 56(84) bytes of data.
ip_count_register[0]= 16
                                                                                                   64 bytes from 10.1.2.4: icmp seg=1 ttl=64 time=1.93 ms
RuntimeCmd: register_read ip_count_register 1
ip_count_register[1]= 0
                                                                                                   64 bytes from 10.1.2.4: icmp seq=2 ttl=64 time=0.755 ms
RuntimeCmd: register_read ip_count_register 2
                                                                                                    64 bytes from 10.1.2.4: icmp_seq=3 ttl=64 time=0.697 ms
ip_count_register[2]= 0
                                                                                                    64 bytes from 10.1.2.4: icmp seg=4 ttl=64 time=0.754 ms
RuntimeCmd: register_read ip_count_register 3
                                                                                                    64 bytes from 10.1.2.4: icmp seg=5 ttl=64 time=0.763 ms
ip_count_register[3]= 5
RuntimeCmd: register_read ip_count_register 255
ip_count_register[255]= 0
                                                                                                    --- 10.1.2.4 ping statistics ---
```