

(a) Independently specified policies.

```

if_(match(srcip=Mktg, tcp, dstport=7000, dstip=CRM),
  FW>>LB>>route,
  if_(match(dstip=CRM), drop,
    if_(match(srcip=Empl, tcp, dstport=80|334|7000, dstip=Servers),
      FW>>route, drop)))
  
```

(b) Pyretic-style composite program.

Subject1: CRM-Access
 tcp, dstport =7000 : Permit, FW-LB chain

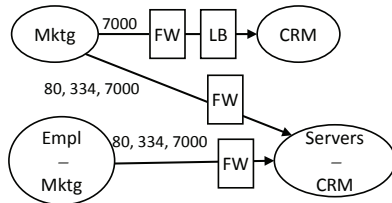
Subject2: CRM-Block
 * : Deny

Subject3: Server-Access
 tcp, dstport=80|334|7000 : Permit, FW chain

Clauses (Prioritized):

1. Mktg --> CRM : CRM-Access
2. * --> CRM : CRM-Block
3. Employees --> Server : Server-Access

(c) composite policy specified in GBP.



(d) Composed policy in a graph.

Figure 1: Policy composition example.