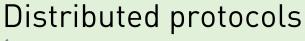
## SyNET: Synthesis of network configurations



(BGP, OSPF, Static routes)



Datalog program P

## Requirements

(isolation, reachability)



Query q

Find a configuration that satisfies the requirements



Find and an input *I* such that:

 $q \in \mathrm{lfp}_{T_{P \cup I}}$ 





Network configuration



Datalog input I