



| network | netmask | next hop |
|---------|---------------|----------|
| 3.3.3.0 | 255.255.255.0 | 2.2.2.1 |

meaning

these two give us
the target network
3.3.3.0/24

→ next hop : when receiving a packet
whose "destination" matches the
target network, the packet is

then forwarded to the
"next hop"

Gateway : on each machine,
in addition to the IP address
and subnet mask, we also
need to provide the "gateway".

Gateway is the "next hop" of
the machine, that is, all traffic
from the machine will first be
sent to the next hop.

Hence, machine 1 (with address 1.1.1.2;
has next hop 1.1.1.1 (the interface
r

of the router which connects
to machine 1)