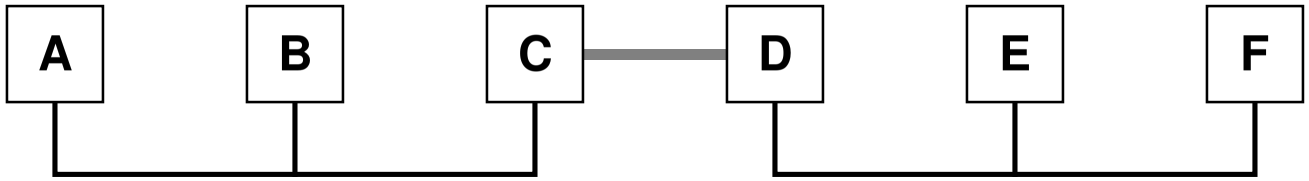
IP FORWARDING – host routes



Dest	Next Hop
A	–
B	*B*
C	*C*
D	*C*
E	*C*
F	*C*

Dest	Next Hop
A	*A*
B	–
C	*C*
D	
E	
F	

Dest	Next Hop
A	
B	
C	
D	
E	
F	

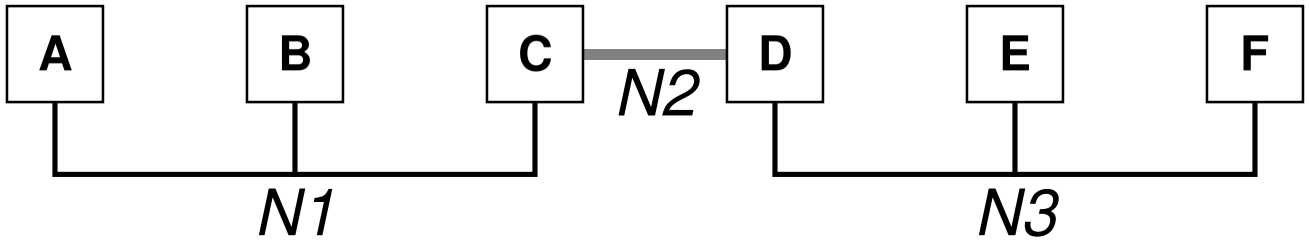
Dest	Next Hop
A	
B	
C	
D	
E	
F	

Dest	Next Hop
A	
B	
C	
D	
E	
F	

Dest	Next Hop
A	
B	
C	
D	
E	
F	

n *hosts* $\Rightarrow$ n *routing table entries*

IP FORWARDING – network routes



Dest	Next Hop
N1	***dir***
N2	***C***
N3	***C***

Dest	Next Hop
N1	***dir***
N2	***C***
N3	***C***

Dest	Next Hop
N1	***dir***
N2	***dir***
N3	***D***

Dest	Next Hop
N1	
N2	
N3	

Dest	Next Hop
N1	
N2	
N3	

Dest	Next Hop
N1	
N2	
N3	

n *networks* $\Rightarrow$ n *routing table entries*