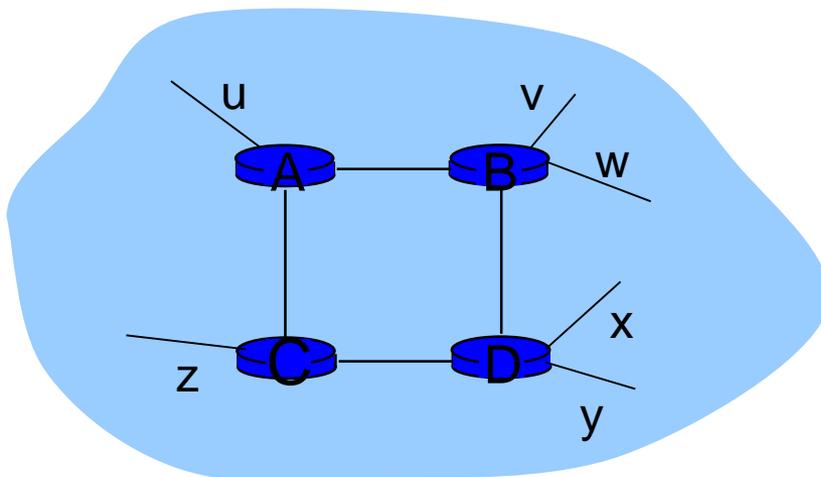


RIP (Routing Information Protocol)

- ❖ included in BSD-UNIX distribution in 1982
- ❖ distance vector algorithm
 - distance metric: # hops (max = 15 hops), each link has cost 1
 - DVs exchanged with neighbors every 30 sec in response message (aka **advertisement**)
 - each advertisement: list of up to 25 different destination IP **subnets**



from router A to destination **subnets**:

<u>subnet</u>	<u>hops</u>
u	1
v	2
w	2
x	3
y	3
z	2

RIP table processing

- ❖ RIP routing tables managed by *application-level* routing daemon process called route-d
- ❖ advertisements sent in UDP packets, periodically repeated (30 second interval)

