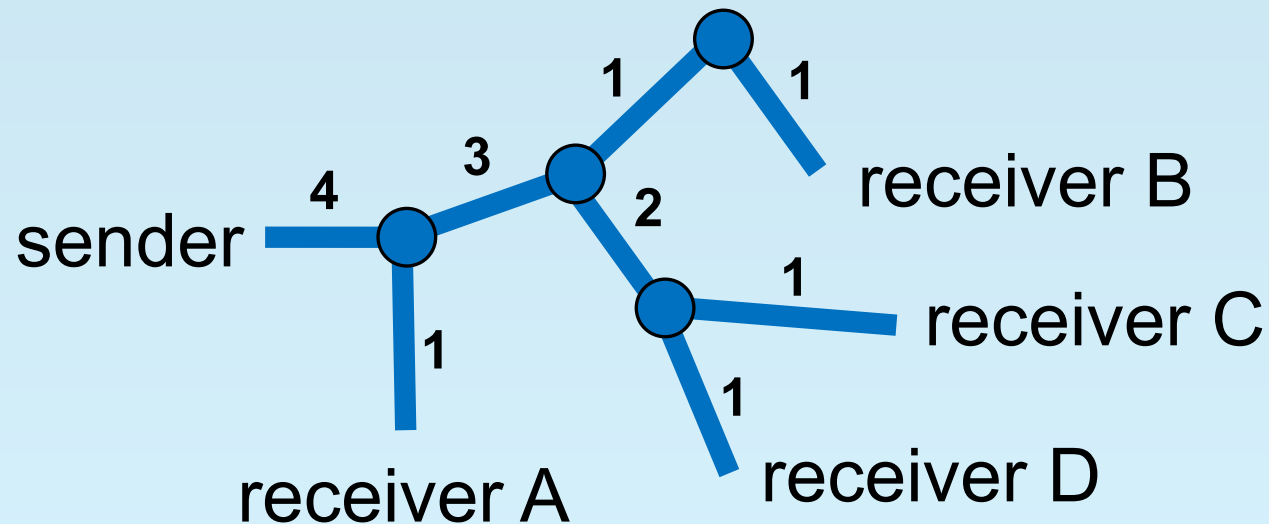


Sending the Same File to Many Receivers is Slow

Imagine a sender transmitting a file to four receivers.

How many copies cross each link?



Sender uses at most $\frac{1}{4}$ of the first link's data rate for each copy.

What if there are more receivers?