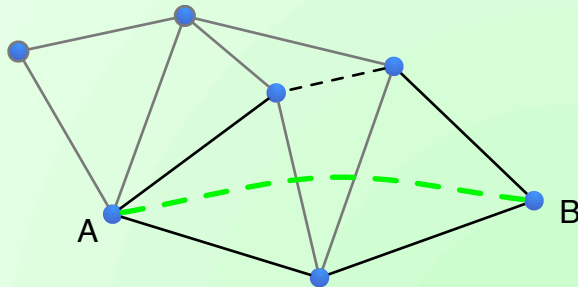# Basic transit and IXP peering
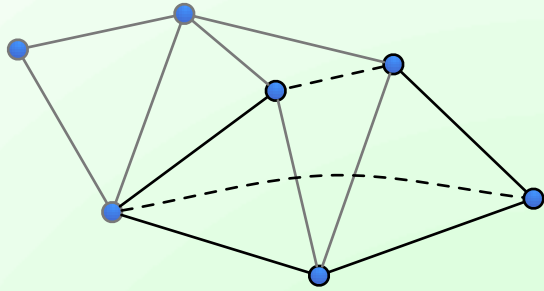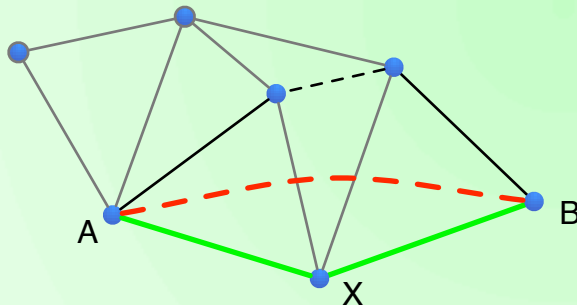

Legend:
- ISP
- IXP link (peering link)
- transit link
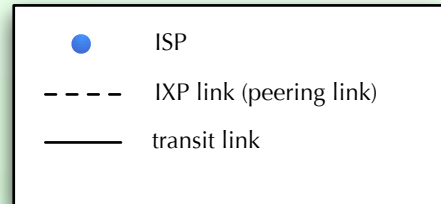
A needs to talk to B.

A and B are ISPs. The green line is a direct link that connects them. It passes through and Internet Exchange Point (IXP). A and B are peers at the IXP.

A problem cuts the link.

But A and B continue to communicate. They do it through a third party, ISP X. They already purchased transit from X, so they can send traffic anywhere on the internet through X.
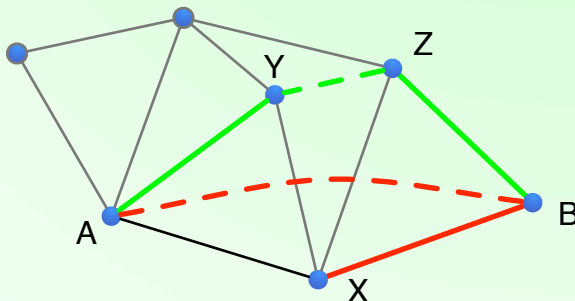
Business problems force A and B to stop dealing with X.

But A and B continue to communicate. A has transit from ISP Y, and B has transit from ISP Z. Meanwhile, Y and Z meet at an Internet Exchange Point.