1. **What path do the packets follow initially? And why?**

Packets go from 0 to 1 initially because the connection is up and running.

1. **What path do the packets take after the link fails? And why?**

they take the path from 0 to 6 because the link is down. And the path is taken where the link is not down.

**c. If we remove the Distance Vector Algorithm, what path the packets follow after**

**the link fails? And why?**

It keeps on going from 0 to 1 because it is not calculating the path to the remote router.