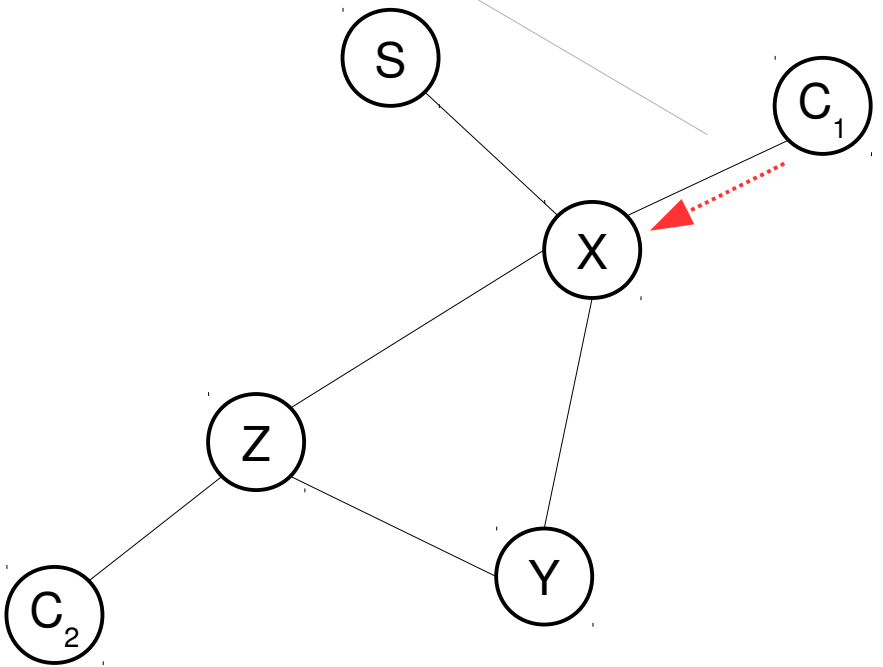
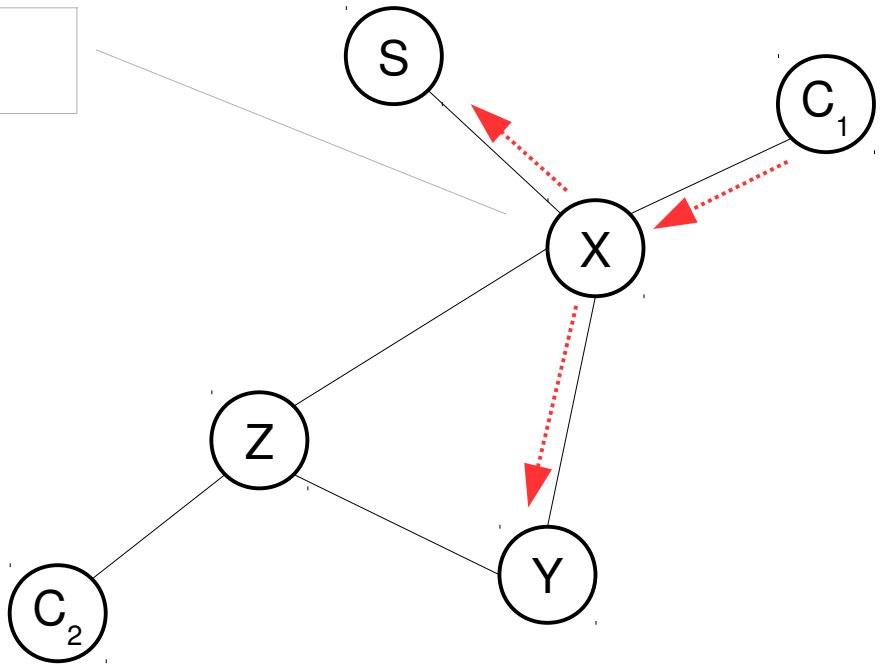
Client C_1 sends an interest towards X



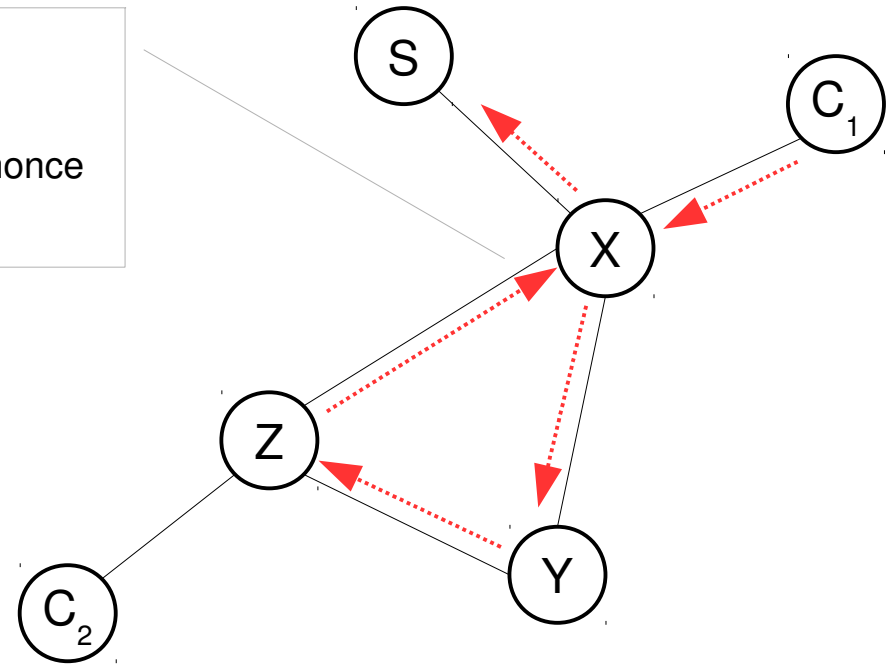
t=0

X forwards the interest to S and Y



t=1

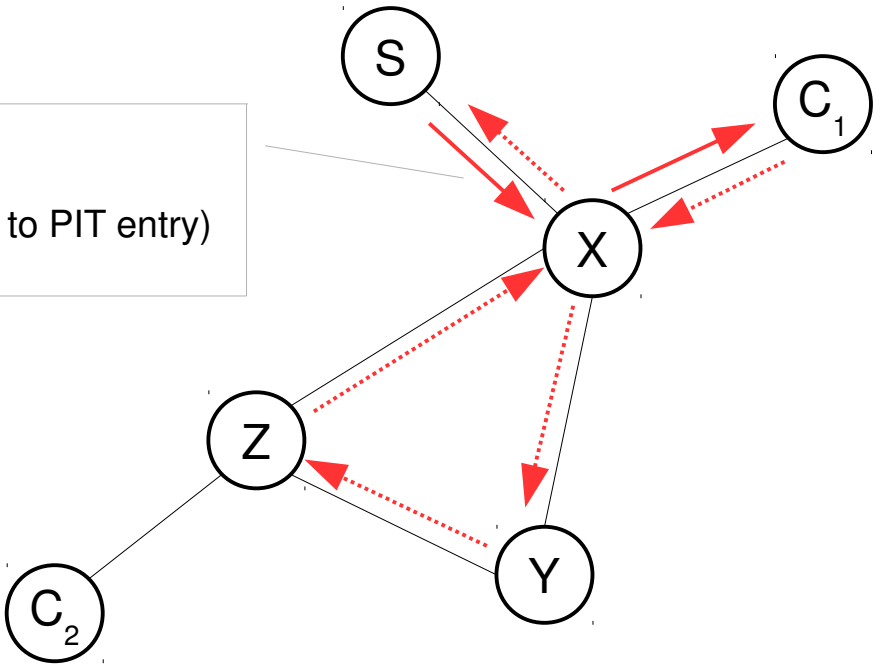
Y forwards the interest to Z
Z forwards the interest to X
→ X detects a loop due to duplicate nonce
→ X drops the interest (no PIT entry)



t=2

S responds with content

→ X forwards the content to C_1 (due to PIT entry)

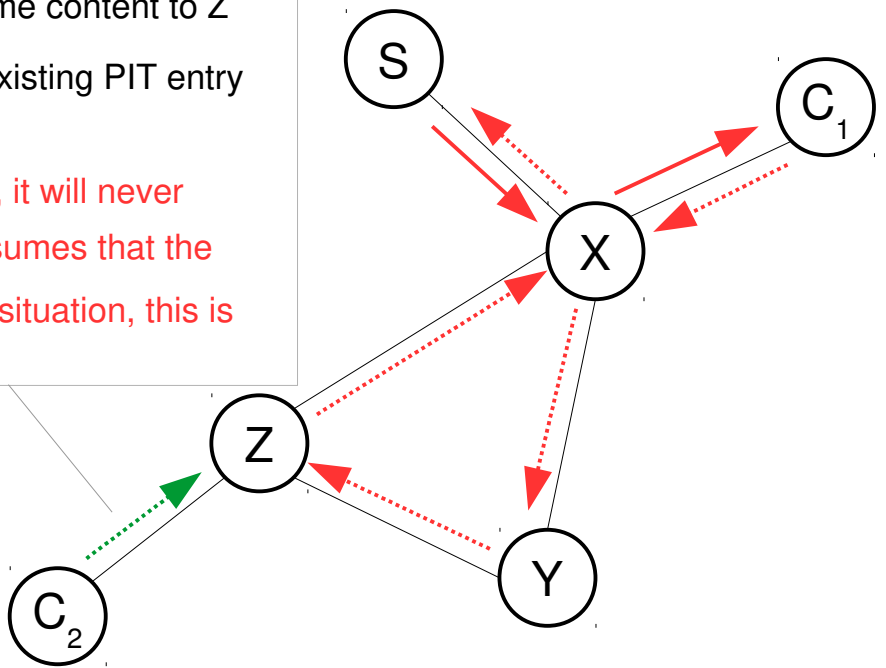


t=3

Client C_2 sends another interest for the same content to Z

→ Z adds the face with C_2 to the already existing PIT entry

Problem: Even though X holds the content, it will never reach Z (and therefore also $C_{2)}$ since X assumes that the interest from Z is just due to a loop. In this situation, this is just part of the truth..



t=4