

CSSE 373 - RDT Data Transfer Project

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Project Plan

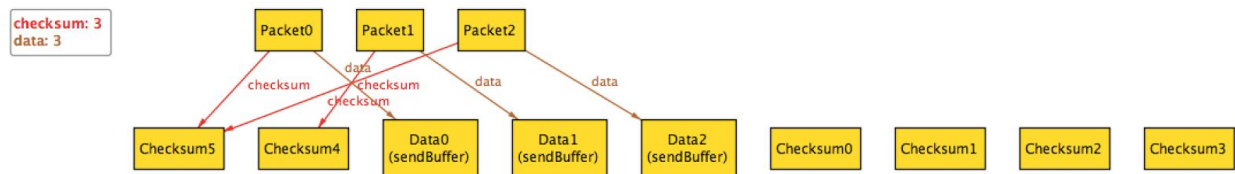
In each milestone, we will check the following two properties of the protocol we are modeling:

1. Using the given protocol, it is possible to transmit all of the data in the sender's buffer to the receiver's buffer. Here, you are asked to find one possible way to do so.
2. Using the given protocol, it is always possible to transmit all of the data in the sender's buffer to the receiver buffer. Here, you are asked to find one possible way in which the data cannot be transferred, thus, refuting the claim. You must ensure that the causes of flaws are due to the flaws in the protocol and not your model. Keep in mind that not all versions of RDT have flaws.

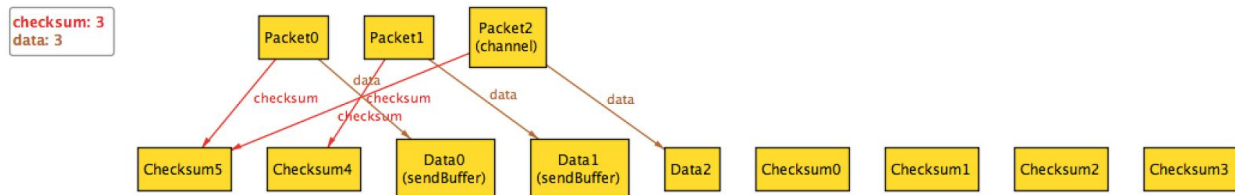
Milestone 1

Property 1

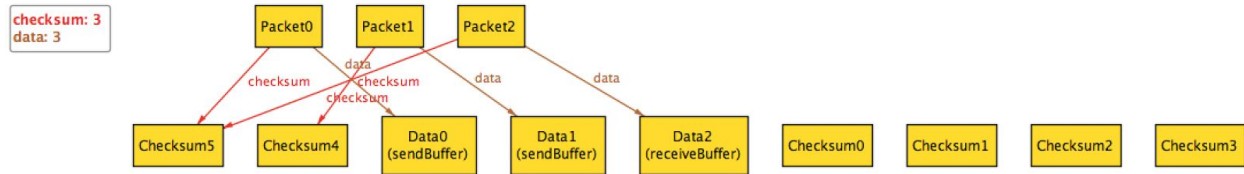
Step 1



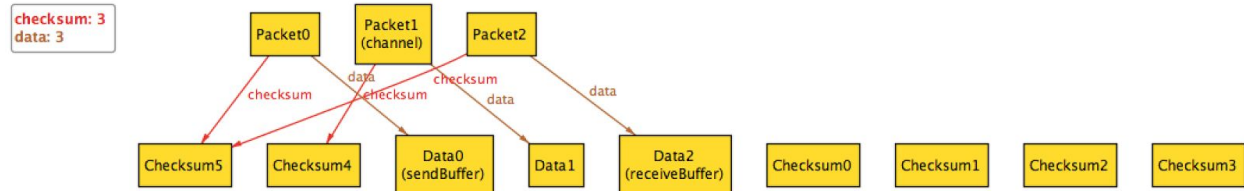
Step 2



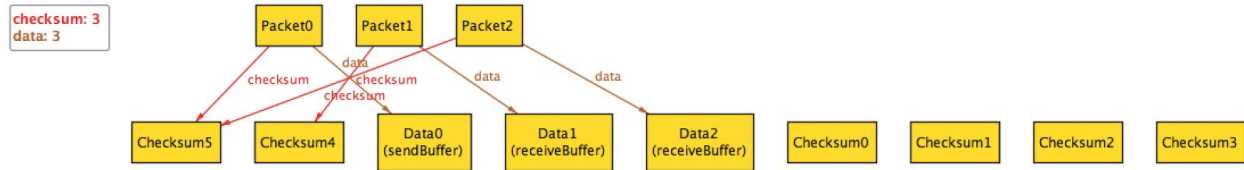
Step 3



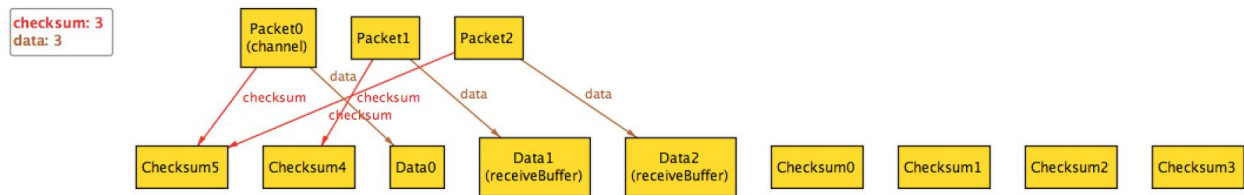
Step 4



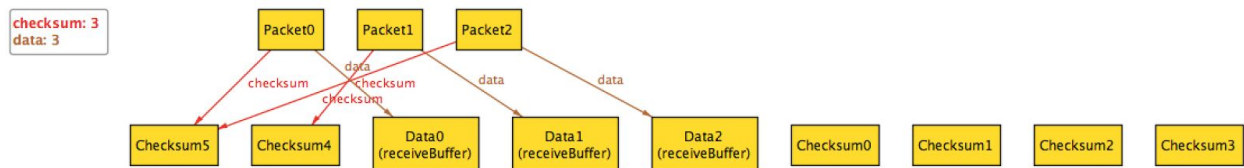
Step 5



Step 6



Step 7



Property 2

This version does not contain flaws.

Executing "Check MustPass for 7 but 3 Packet"

Solver=sat4j Bitwidth=0 MaxSeq=0 SkolemDepth=1 Symmetry=20
2731 vars. 178 primary vars. 7169 clauses. 50ms.
No counterexample found. Assertion may be valid. 15ms.