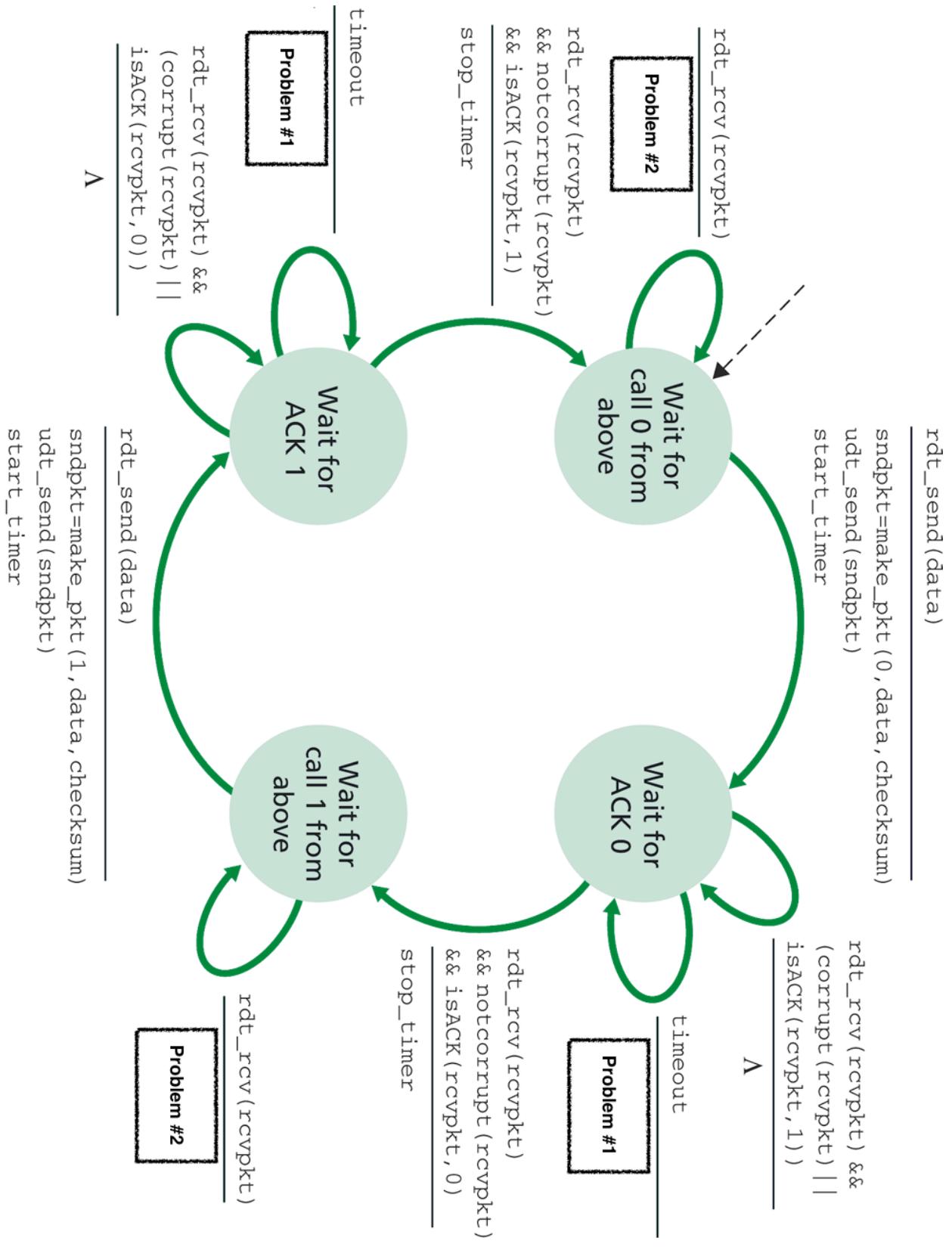


Problem 2: [30 points] The diagram on the next page specifies a sender's behavior in one of the reliable transport-layer protocols from the book, with portions of some of the transition details removed. Feel free to remove the diagram page from your exam as you answer the questions below.

a) In each of the "Wait for ACK" states there's a transition that handles timeout events. What belongs in the "Problem #1" boxes in those transitions? If it's different for each timeout transition, please show both. Use the same notation used on the rest of the diagram when listing the missing actions.

b) In each of the "Wait for call" states there's a transition that handles `rdt_rcv` events. What belongs in the "Problem #2" boxes in those transitions? If it's different for each transition, please show both. Use the proper notation when listing the missing actions.

c) When your great aunt looked at the diagram, she was shocked to see that it didn't use NAKs. "How can a protocol guarantee reliable delivery without NAKs?", she asks. Use the space below to provide your response:



Problem 4: [10 Points]

In the 802.11 implementation project, what is the role of the `LinkLayer` class's `send()` method? Who calls it, and what does it do once called? (I only want to know what happens in `send`, not about actions that might subsequently take place in other parts of the code.)