

Large Message Proxy

State

messages being expected	Dict < messageId : metadata >
messages being received	Dict < sender : bytes received so far >
messages waiting to be sent	Dict < messageId : message >

Behavior

Sender

- Gets message
- message -> messages waiting to be sent
- sends request to send with ID and metadata (with timeout)

Receiver

- ID and metadata -> messages being expected
- sends ACK with ID

Sender

- if timeout:
 - resend request
- else:
 - delete ID from messages waiting to be sent
 - start streaming serialised(message with ID)

Receiver:

- adds stream packages to respective entry in messages being received
- on stream completion reassembles metadata and message by ID
- sends message to parent node