In the experimental evaluation of Maranello on a Linksys wireless router with two clients (named “A” and “B”) uploading to the router, the authors observe an unexpected performance result. Relative to baseline performance where both A and B run unmodified 802.11, enabling Maranello on client B results in a significant throughput increase for client A, while enabling Maranello on client A results in a small throughput increase for client B.

The authors offer no explanation for this phenomenon. What is one possible explanation?

Hint: Recall from your reading of the paper that Maranello stations adapt their transmission contention windows in exactly the same way as 802.11 stations.