Conclusion

From the experiments we conducted, following conclusions can be drawn. First, under high congestion, TCP Vegas has a superior performance than all the other variants in every aspect. However, under low congestion, Vegas is less aggressive and therefore has a lower throughput.

Second, when TCP variant pairs are competing against each other, Reno/Reno pair treat each other fairly, so do the Vegas/Vegas pair. In contrast, in both NewReno/Reno pair and NewReno/Vegas pair, NewReno displays dominance over the other variant.