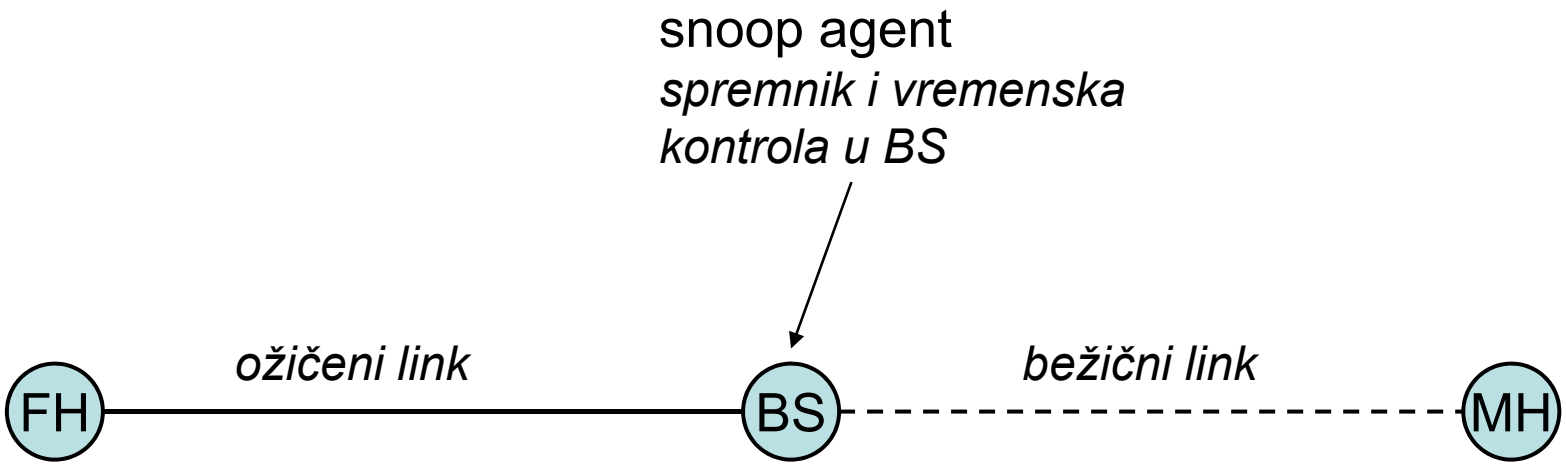
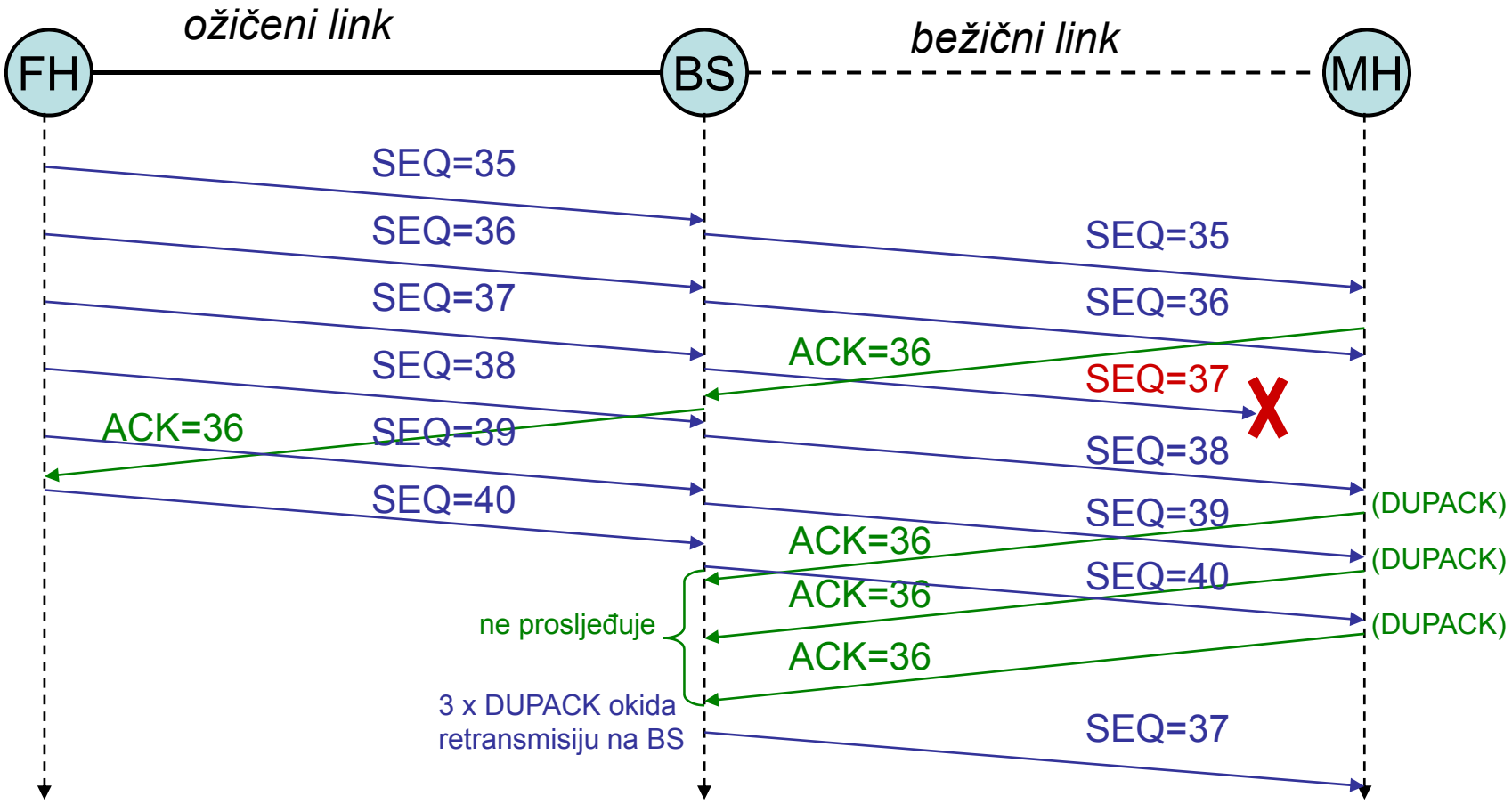
Ilustracija načina rada protokola Snoop

- snoop agent u BS pohranjuje podatkovne pakete u spremnik i po potrebi ih koristi za retransmisiju na sloju linka od BS prema MH
- snoop agent sprječava brzu retransmisiju na TCP pošiljatelju time što odbacuje dvostruke potvrde od strane MH

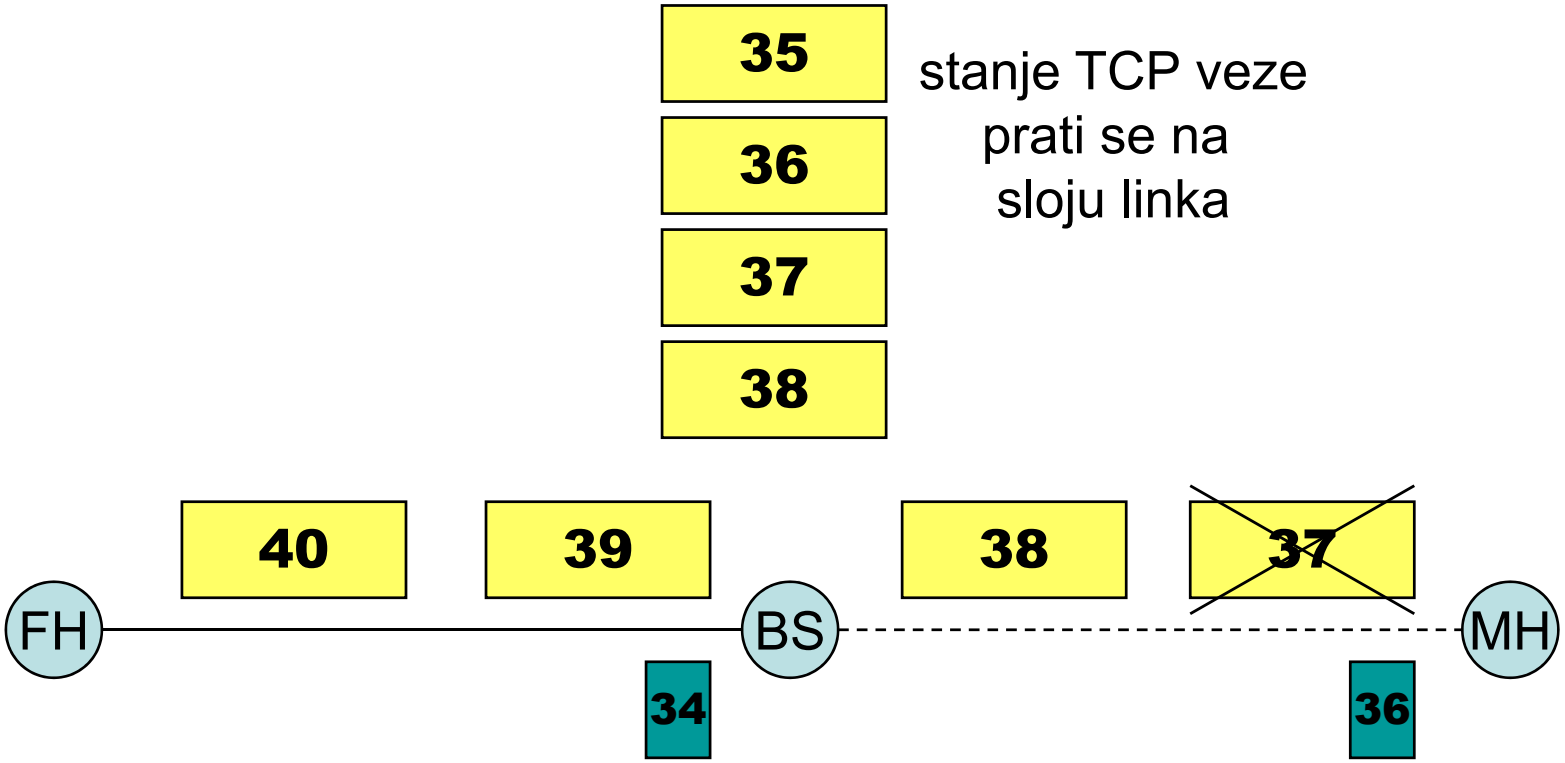


Izvor: Tutorial “TCP for Wireless and Mobile Hosts”, Nitin H. Vaidya, University of Illinois at Urbana-Champaign, 2001. (http://www.crhc.uiuc.edu/~nhv)

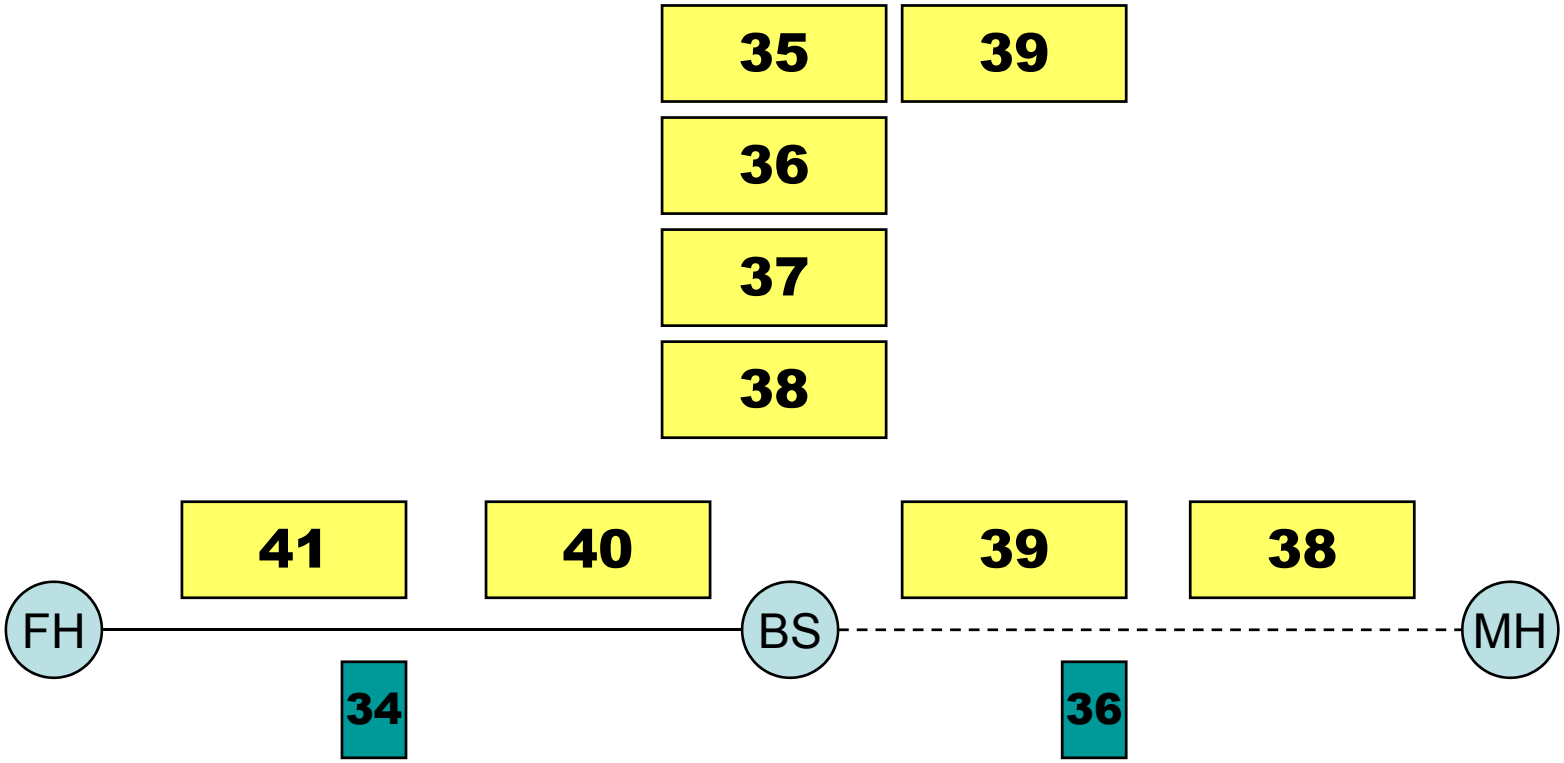
Snoop : Primjer



Napomena: Pretpostavlja da se koriste odgođene potvrde (*delayed acknowledgements*), tj. da se potvrde šalju za svaki drugi paket (osim za udvostručene potvrde, koje se ne odgađaju)



* Primjer pretpostavlja da se koriste odgođene potvrde (*delayed acknowledgements*), tj. da se potvrde šalju za svaki drugi paket (osim za udvostručene potvrde, koje se ne odgađaju)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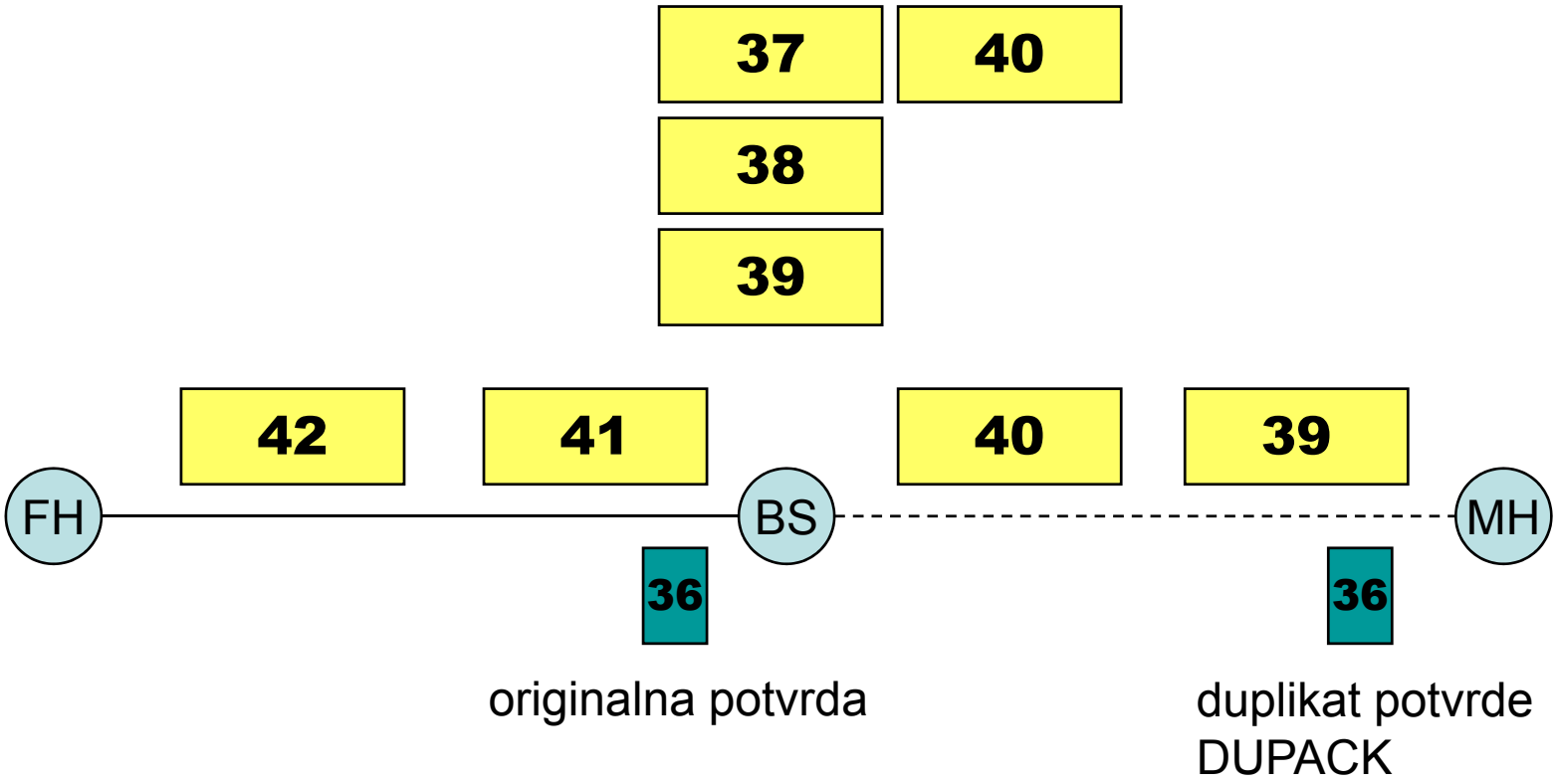
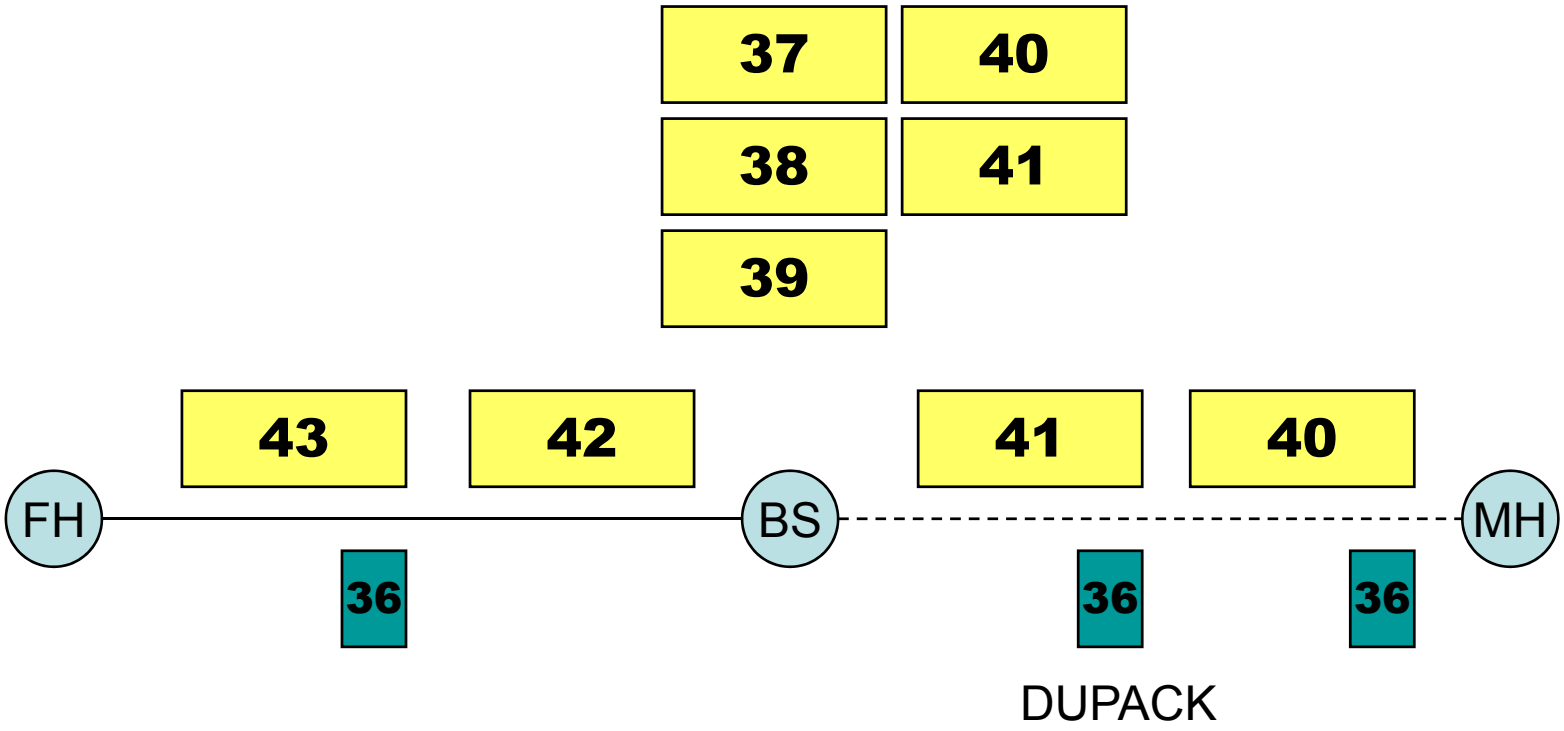


* Udvostručene potvrde se ne odgađaju, šalju se nakon svakog primljenog paketa.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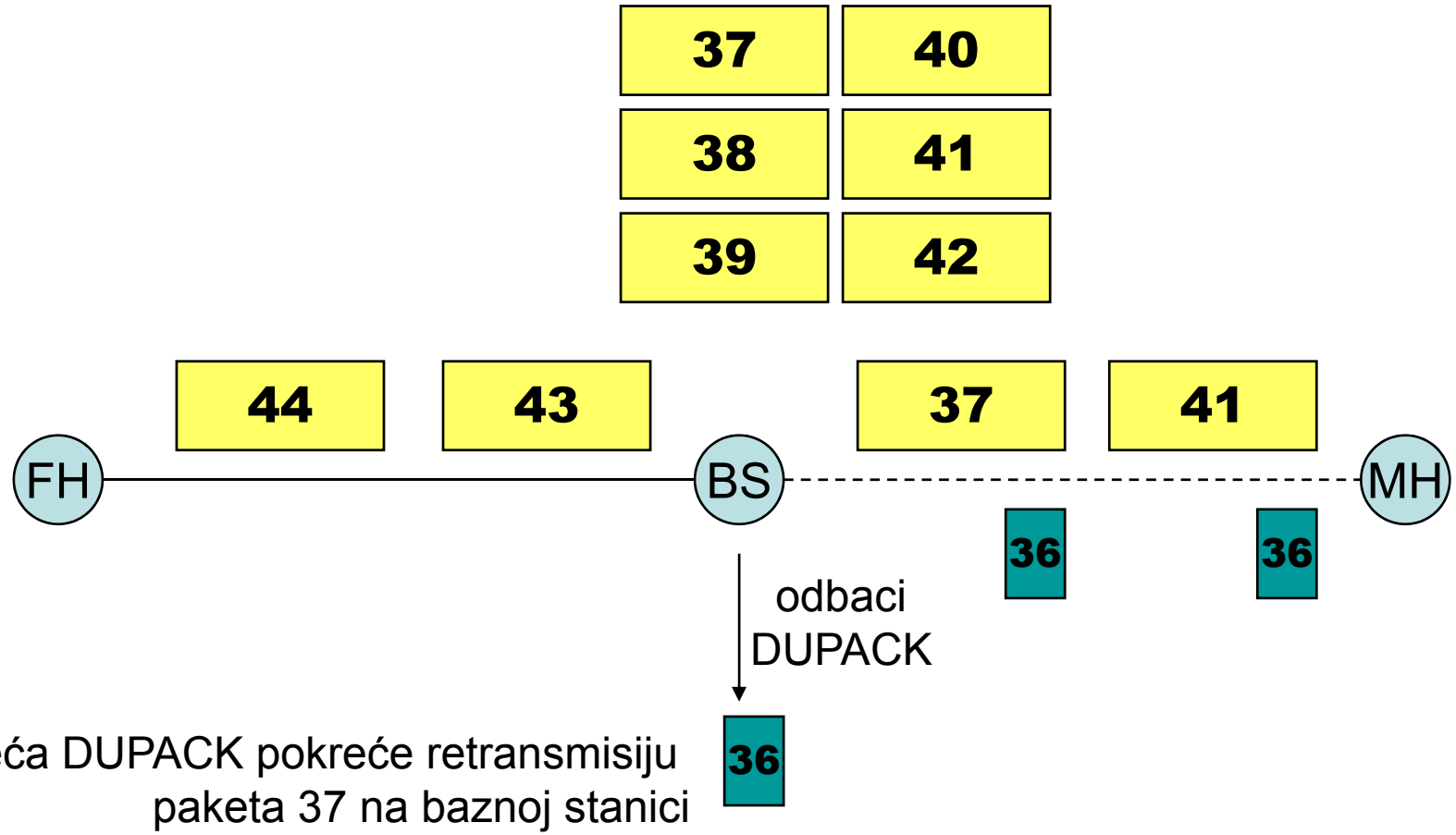
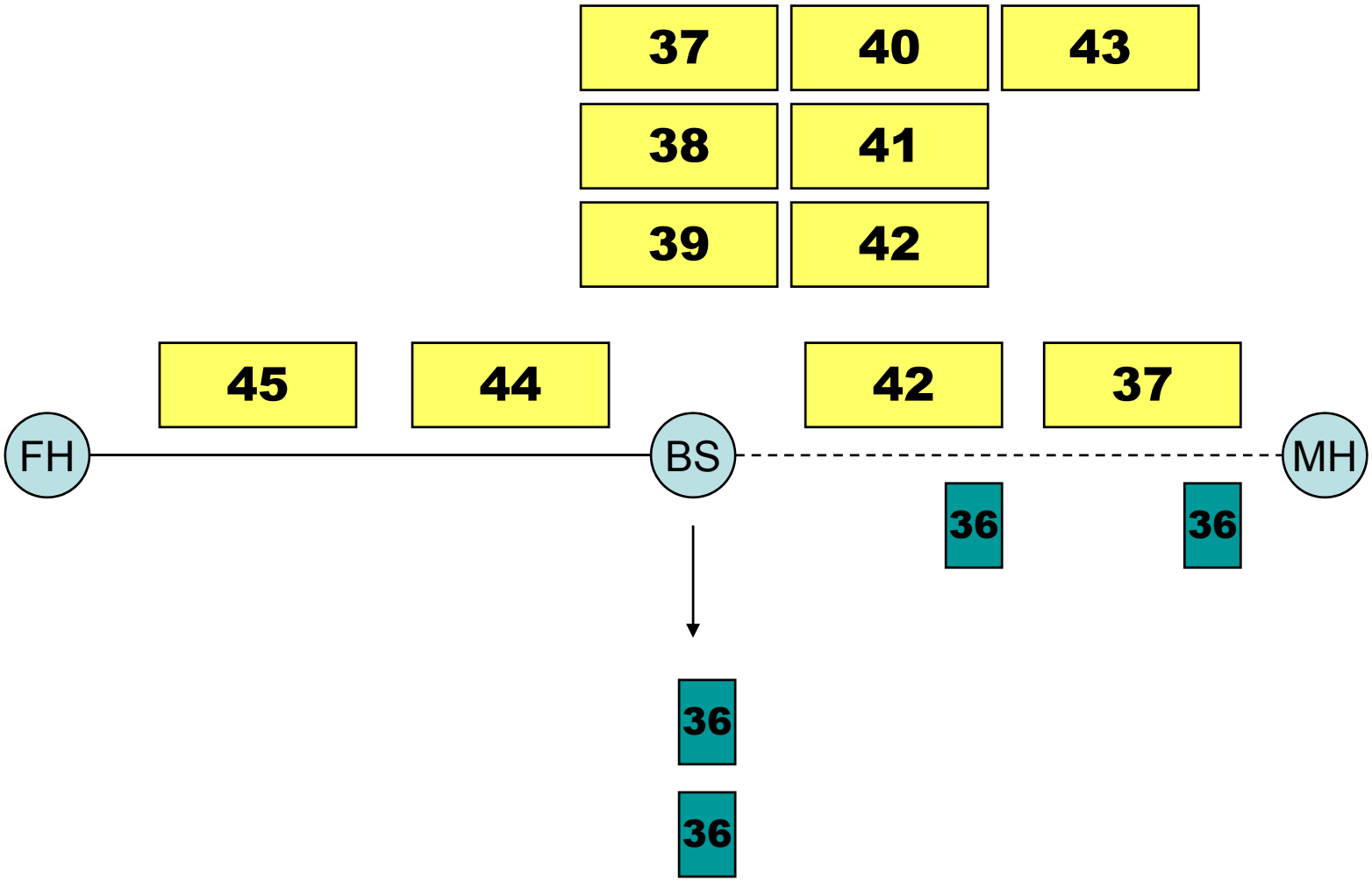
DUPACK



Treća DUPACK pokreće retransmisiju paketa 37 na baznoj stanici

BS mora znati analizirati TCP-zaglavlje kako bi mogla intervenirati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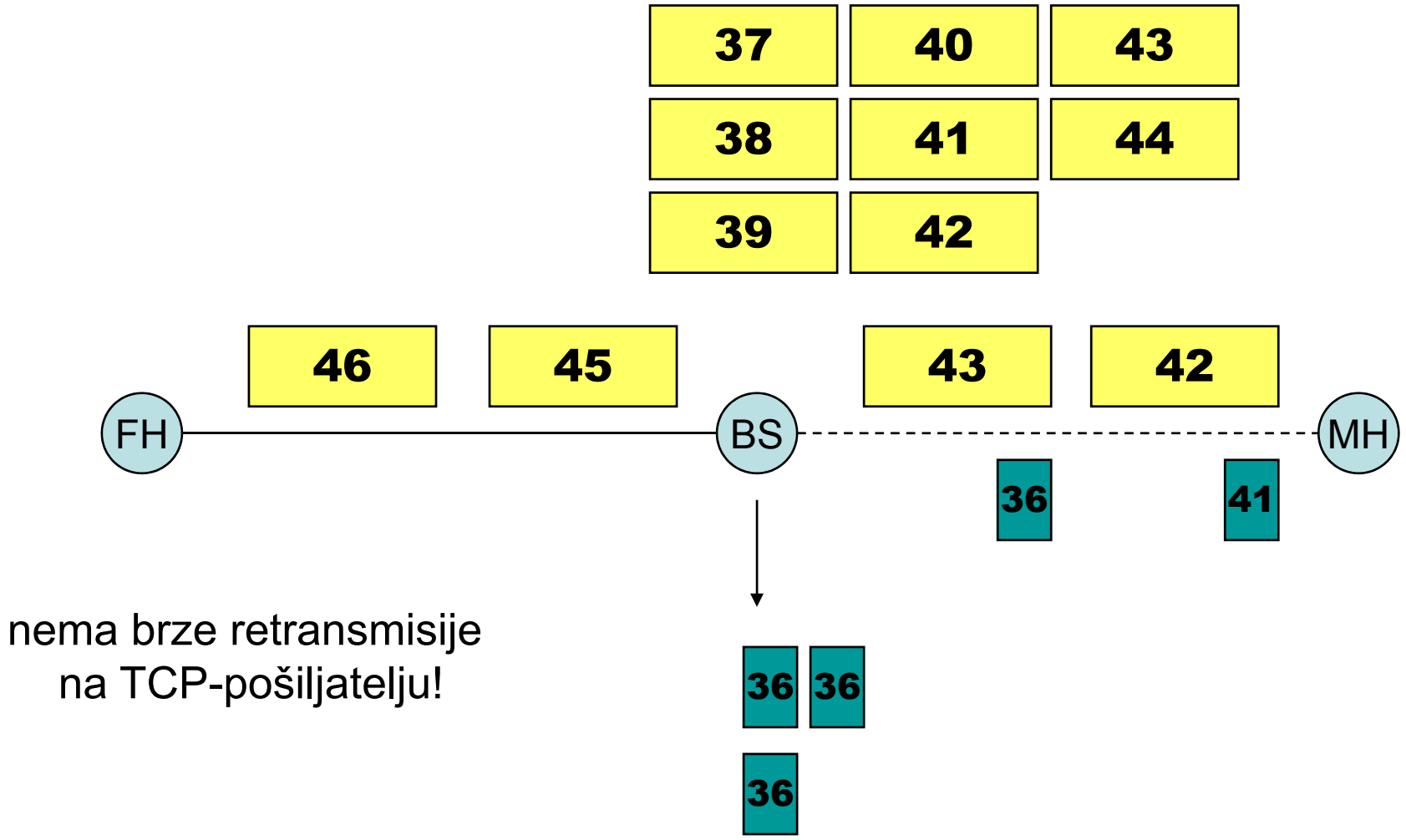
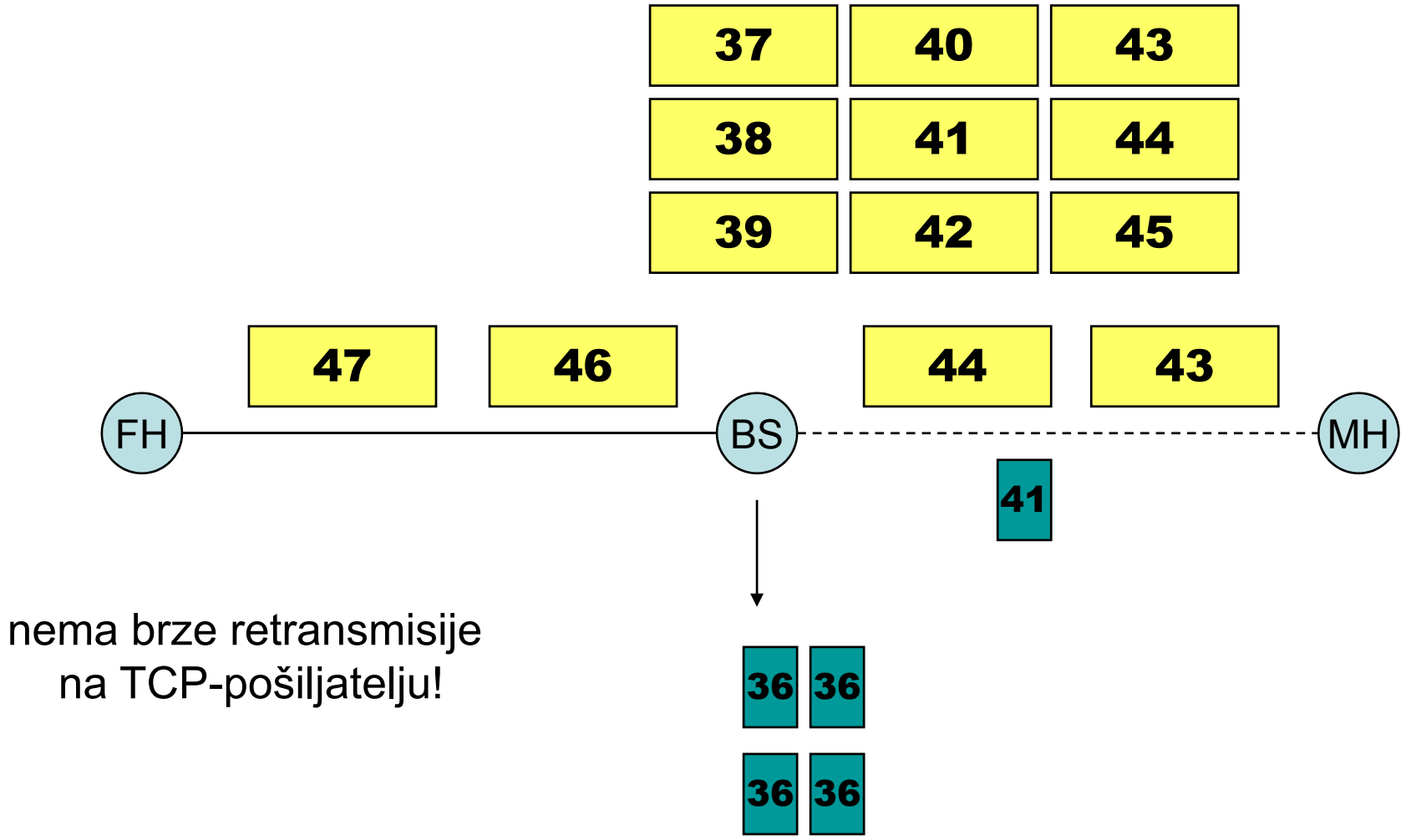
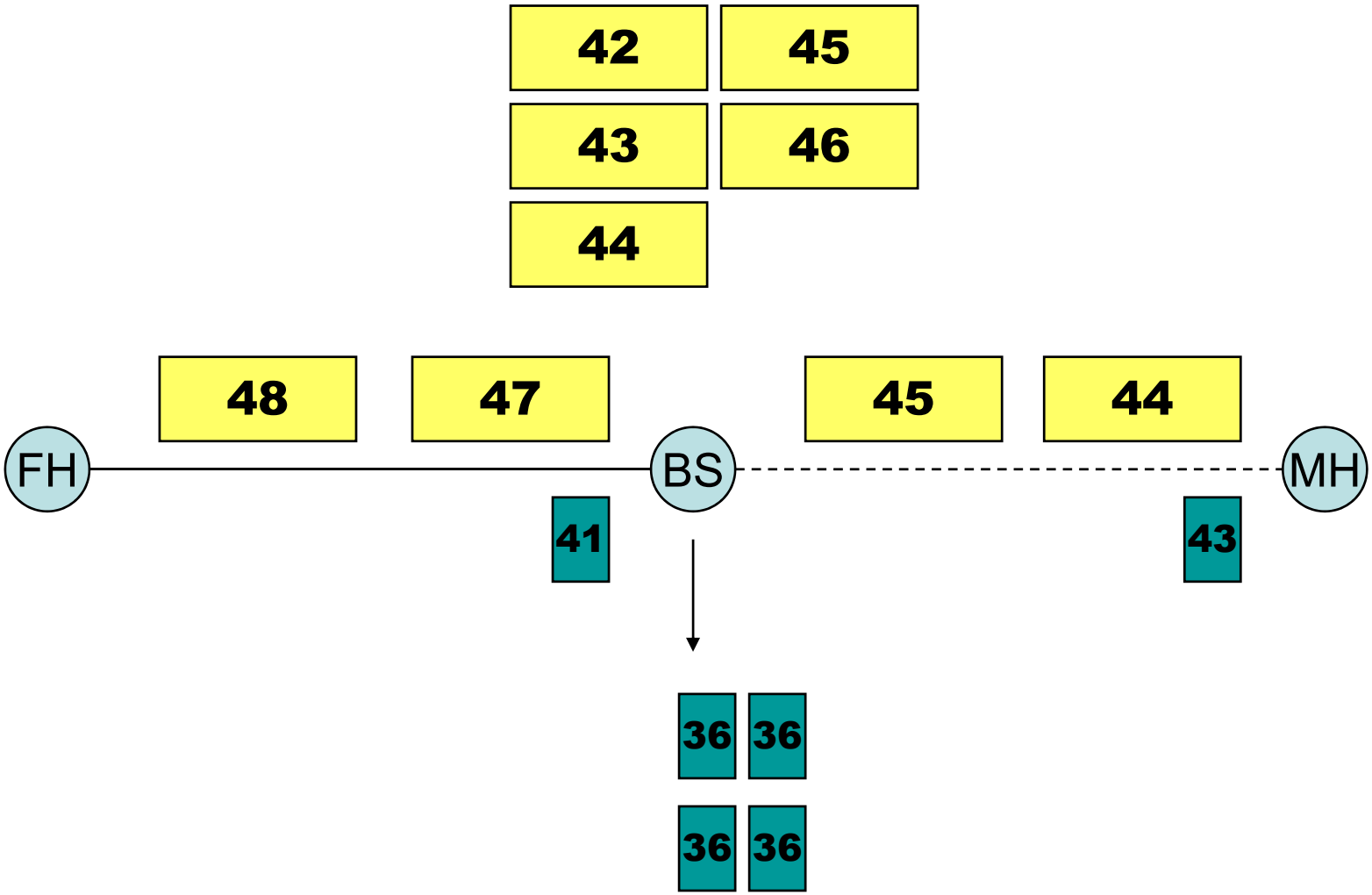


nema brze retransmisije
na TCP-pošiljatelju!



nema brze retransmisije
na TCP-pošiljatelju!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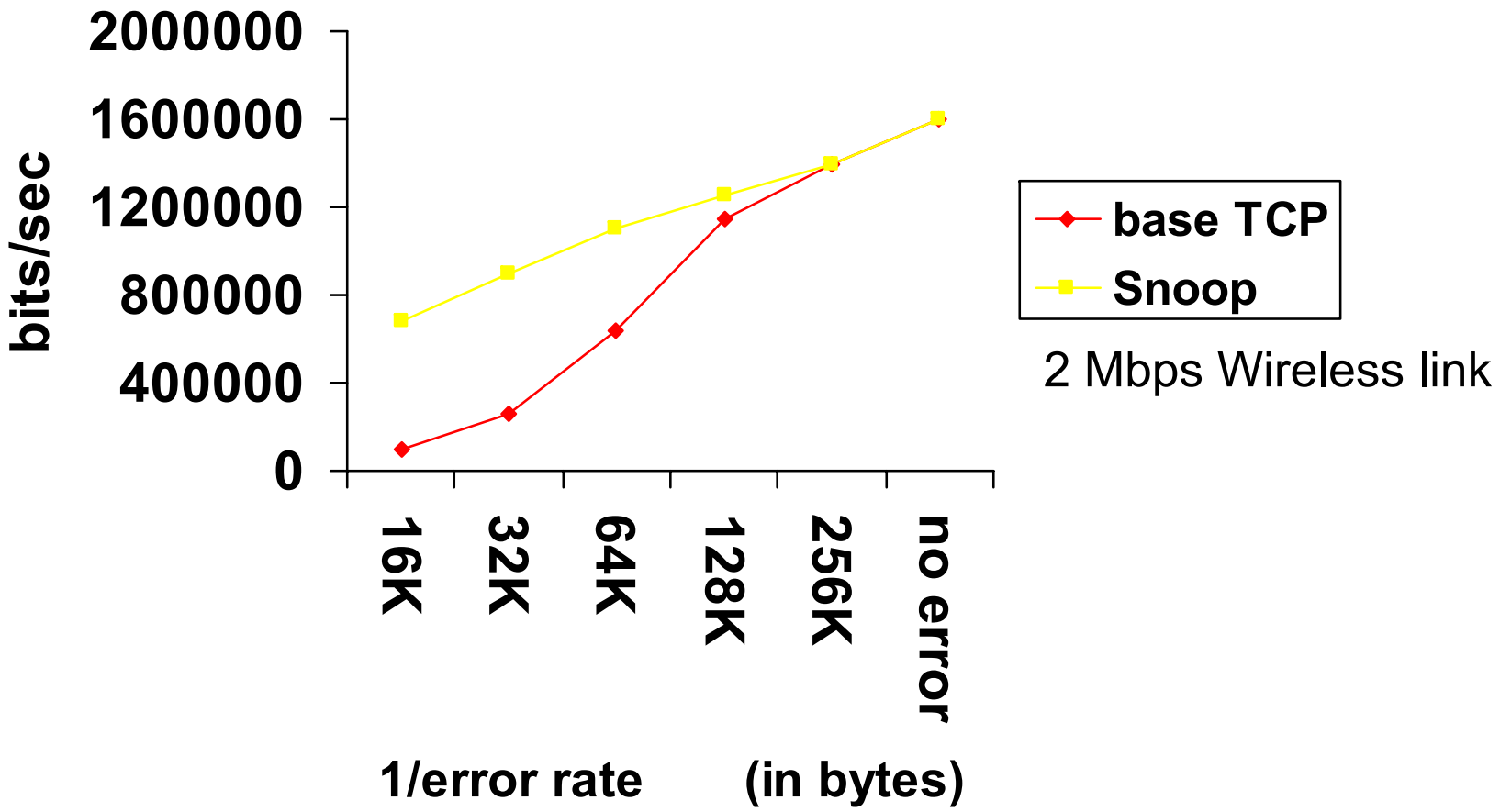
Poboljšanje postignuto protokolom Snoop



[Izvor: članak: H. Balakrishnan, S. Seshan, and R.H. Katz. Improving Reliable Transport and Handoff Performance in Cellular Wireless Networks. ACM Wireless Networks, 1(4), December 1995.]