











UDP checksum

<u>Goal:</u> detect "errors" (e.g., flipped bits) in transmitted segment

<u>Sender:</u>

- treat segment contents as sequence of 16-bit integers
- checksum: addition (1's complement sum) of segment contents
- sender puts checksum value into UDP checksum field

Receiver:

- compute checksum of received segment
 check if computed checksum
- equals checksum field value:
 NO error detected
 YES no error detected.
 - But maybe errors nonetheless? More later

Transport Layer 10























