How To Solve Problems About Delays

Network Computing (CS3171)

0 Read the question carefully

- What are you asked to do (or to solve for)?
- What information are you given?
 - write down all values in a standard notation

0 Draw a time-distance diagram

- Label the delays (propagation, transmission, processing, etc.)
- Make sure you understand the diagram and that it includes all the necessary parts
- ③ Determine what question(s) you are being asked
- ④ Apply the correct formulae
 - Convert to the same units before any other computations
 - Remember



distance = rate × time rate = distance/time time = distance/rate

- distance in the above is different for transmission and propagation
 - in transmission: distance is size (or length) in bits
 - in propagation: distance is physical length of the link
- ^⑤ Check that units cancel appropriately

as a way to check your answer