

COMS3200 Assignment 1 Part A Solutions

Scenario 1 solutions

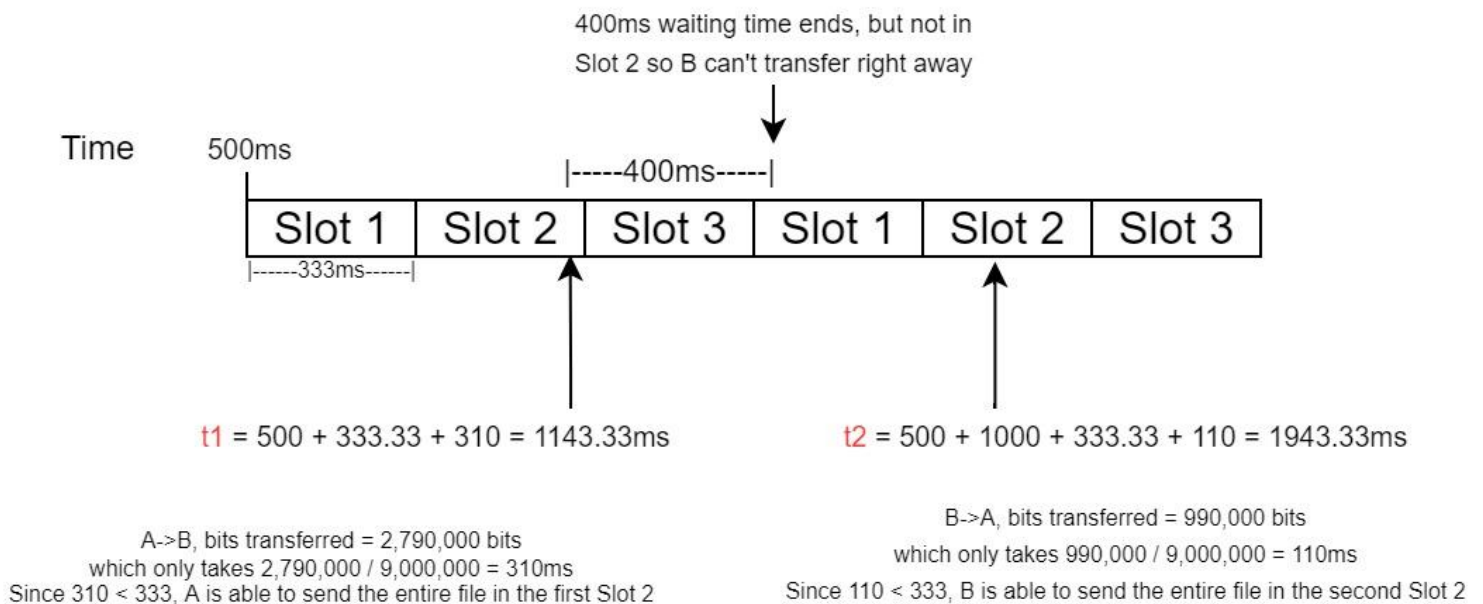
Question 1: What is the value of t_1 ? (3 marks)

1143.33ms

Question 2: What is the value of t_2 ? (3 marks)

1943.33ms

- Time-division multiplexing (TDM)**
- 3 Slots, A and B are allocated Slot 2
 - Each slot gets $1/3=333.33\text{ms}$ to transfer
 - Transfer speed is 9Mbps



Scenario 2 solutions

Scenario 2 solutions are available in the spreadsheet

Scenario 3 solutions

Question 12: Which on these events can combined together to form an recursive DNS query? (2 marks)

Events 1 and 8

Question 13: Which on these events can combined together to form an iterative DNS query? (2 marks)

Events 2, 3, 4, 5, 6, and 7

Question 14: In event 3, what is DNS record type in the message that D2 sends to D1? (1 mark)

NS

Question 15: In event 5, what is DNS record type in the message that D3 sends to D1? (1 mark)

NS

Question 16: In event 8, what is DNS record type in the message that D1 sends to C? (1 mark)

A or AAAA