

HW2

1.

- a. 1, 2, 3, 4 and 12, 13, 14, 15
- b. 4, 5, 6, 7, 8, 9, 10, 11 and 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
- c. 11, 39
- d. None
- e. 39

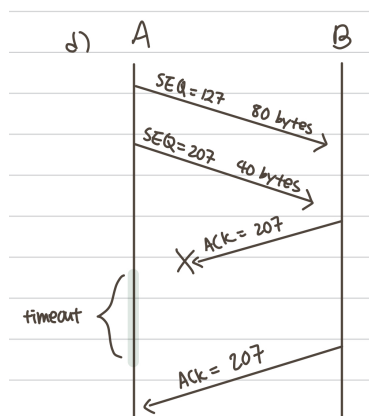
2. Video streaming and DNS

3.

- a. True. The size of receiving window is fixed.
- b. True. There is the rwnd field in TCP header.
- c. True. The ACK is determined by $SEQ + \text{number of bytes sending}$. Thus $38 + 4 = 42$
- d. 이거 이해 못함 π
- e. False. The next SEQ for the next segment is same as the ACK that last segment sent; which is the $SEQ + \text{number of bytes sending}$. Thus, it will be $m + \text{number of bytes of the data}$

4.

- a. $SEQ: 127 + 80 = 207$. Source Port: 302, Destination port: 80
- b. ACK: 207, Source Port: 80, Destination port: 302
- c. ACK: 207



5. 224.0.0./10, 224.80.0.0/16, 224.95.0.0/16