
CMPT 365 Multimedia Systems

Written Assignment 3

Deadline 6:00pm, Apr 16, 2021 (Extension will be granted)

Note: This assignment is NOT group based. TA will provide submission guidelines.

Textbook 3rd Edition (Please see Canvas/Files or Dropbox for the 3rd Edition chapters)

P. 297 Q4, 5(a)

P. 336 Q4

P. 364 Q8 (a)(b)

P. 530 Q9

EX.1. Give the ZigZag scanned runlength coding output (0,45), (3, 28), (7,12), (0, 11), (12,7), (0,0) for a 8x8 block, what's the input? If we simply use the regular left-to-right, top-to-bottom scan instead of the ZigZag scan, then what is the corresponding output of the runlength coding?

EX. 3. Which is the most time-consuming part in video compression? Explain your answer.