Mentor

1 point

Unit 7 - Week 5

Course outline

Week 1

Week 2

Week 3

Week 4

Week 5

ASAP schedule

ALAP schedule

scheduling

Scheduling

 DEMO: Analyze FFT implementation

to Architectures

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

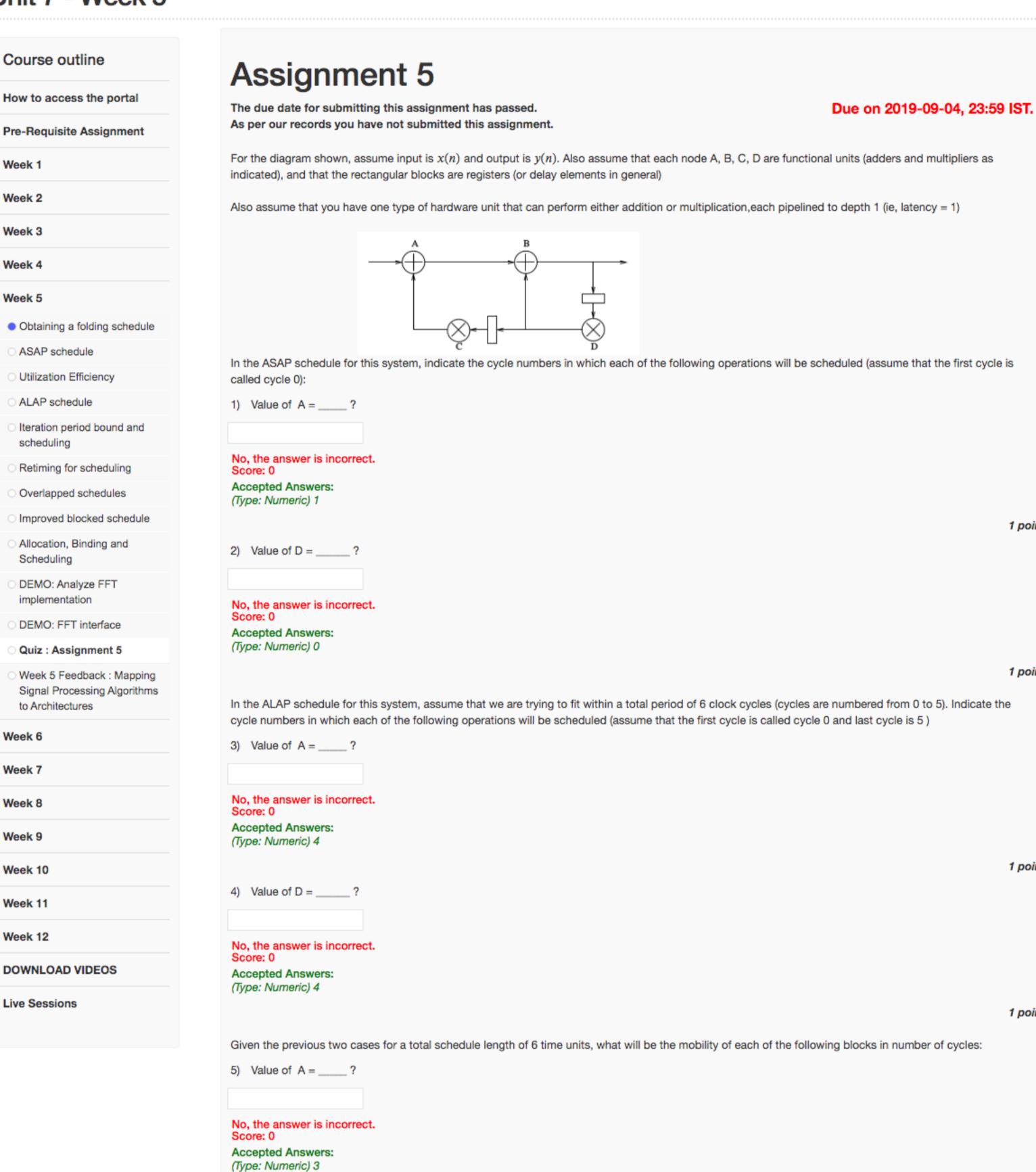
Week 12

Live Sessions

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Utilization Efficiency

NPTEL » Mapping Signal Processing Algorithms to Architectures



7) What will be the hardware utilization efficiency (in percentage, answer accurate to one decimal point) assuming a single hardware unit is used for all

6) Value of D = _____ ?

No, the answer is incorrect.

Accepted Answers: (Type: Numeric) 4

Score: 0

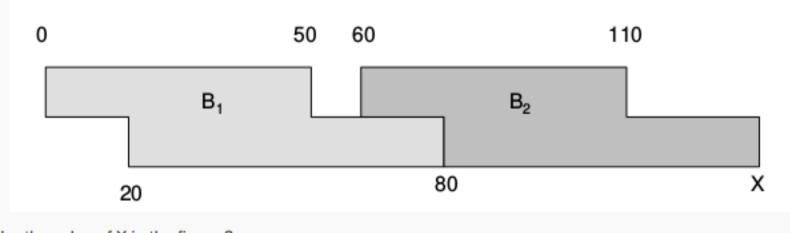
the computations and the total schedule length is 6 time units?

Score: 0 Accepted Answers: (Type: Range) 66.6,66.8

No, the answer is incorrect.

functions in one iteration (without showing the individual functions), and B_2 is identical to B_1 , except that it is later in time

For the diagram shown, assume there are some functions being scheduled in an overlapped schedule on two processors. The block B_1 shows all the



8) What will be the value of X in the figure ?

No, the answer is incorrect. Score: 0 Accepted Answers:

(Type: Numeric) 140

9) What is the initiation interval of the schedule shown?

Score: 0 Accepted Answers: (Type: Numeric) 60

No, the answer is incorrect.

10) What is the hardware utilization efficiency of this design (in percentage, accurate to 1 decimal place)

Score: 0 Accepted Answers: (Type: Range) 91.6,91.8

No, the answer is incorrect.

1 point

1 point

1 point