Week 3: Assignment 3

The due date for submitting this assignment has passed.

Due on 2021-06-25, 23:59 IST.

As per our records you have not submitted this assignment.

Consider the Sequential Graph shown in the figure below. Each MUL operation has two unit times, and ALU takes one unit of time. Given these MUL and one ALU, determine the minimum latency resource constrained (ML-R2) 6-bit schedule and answer the following questions from 1 to 8.

1) Which one is the last operation to be scheduled by the MLRC schedule?

2 points

- Only 8
- Only 9
- Either 8 or 10
- No, the answer is incorrect. Score: 0

Accepted Answers:
- Either 8 or 10

2) The start time of operations 1 and 4 are

1 point

- 1, 2
- 2, 2
- 1, 1
- 2, 1
- No, the answer is incorrect. Score: 0

Accepted Answers:
- 2, 1

3) The latency of the MRC schedule is

2 points

- 6
- 7
- 8
- No, the answer is incorrect. Score: 0

Accepted Answers:
- 6

4) Number of ALU+MUL operations in the step 4 is

1 point

- 0
- 1
- 2
- None of the above
- No, the answer is incorrect. Score: 0

Accepted Answers:
- None of the above

5) Number of MUL+MUL operations in the step 3 is

1 point

- 0
- 1
- 2
- No, the answer is incorrect. Score: 0

Accepted Answers:

6) The ASAP time of operation 8 is

2 points

- 6
- 7
- 8
- No, the answer is incorrect. Score: 0

Accepted Answers:

7) The ASAP time of operation 2 is

1 point

- 2
- 3
- 4
- No, the answer is incorrect. Score: 0

Accepted Answers:

8) Time step-7 contains which operation

1 point

- Only MUL
- Only ALU
- Both MUL and ALU
- None of the above
- No, the answer is incorrect. Score: 0

Accepted Answers:
- Only ALU