Week 4: Assignment 4

Due on 2021-08-01, 23:59 IST.

1. What is the AILP and ALAT times of operation 8?  / point
   
   \begin{align*}
   \text{AILP} &= \ldots \\
   \text{ALAT} &= \ldots
   \end{align*}

2. What is the latency of operation 8? / point
   
   \begin{align*}
   \text{Latency} &= \ldots
   \end{align*}

3. Select the correct AILP time of operations 3 and 11 / point
   
   \begin{align*}
   &\text{Operation 3:} \\
   &\text{Operation 11:}
   \end{align*}

4. How many number of MUL and ALU requests for this MULEC Schedule / point
   
   \begin{align*}
   &\text{MUL Requests:} \\
   &\text{ALU Requests:}
   \end{align*}

5. What is the time latency of operation 10? / point
   
   \begin{align*}
   \text{Latency} &= \ldots
   \end{align*}

6. \[ \text{Probability of operation 1 and 10 at same time step:} \] / point
   
   \begin{align*}
   &\text{Probability:} \\
   \end{align*}

7. The number of the MULL resource type distribution at time step 1 is / point
   
   \begin{align*}
   &\text{Distribution:} \\
   \end{align*}

8. When operation 2 is assigned to time step 1, what is the MULL-free operation 2? / point
   
   \begin{align*}
   &\text{Operation:} \\
   \end{align*}

9. The assignment of operation 2 in time step 2 implies that the assignment of operation 3 to time step 3. Therefore, the_forms. of \[ \text{operation 3 related time step 3:} \] / point
   
   \begin{align*}
   &\text{Forms:} \\
   \end{align*}

10. Consider the following code. How many memory ports are there in the behavior? / point
    
    \begin{align*}
    &\text{Code:} \\
    \end{align*}