Unit 4 －
Architectural Synthesis of Hardwares

| Course outline |
| :---: |
| How to access the portal |
| Introduction and Modeling |
| Modeling and Synthesis issues |
| Architectural Synthesis of Hardwares |
| Hardware Architectural Synthesis－ 1 |
| Hardware Architectural Synthesis－ 2 |
| Hardware <br> Architectural Synthesis－ 3 |
| Hardware <br> Architectural Synthesis－ 4 |
| Hardware Architectural Synthesis－ 5 |
| Hardware Architectural Synthesis－ 6 |
| Hardware <br> Architectural |

## Assignment－3

The due date for submitting this assignment has passed．
As per our records you have not submitted this
Due on 2018－09－05，23：59 IST． assignment．


Consider the Operation Constraints Graph（OCG）shown in the figure above．Each addition operation takes unit time．The latency bound is 4 ．There are no resource constraints．

1）The correct ALAP schedule is：
1 pointC－step 1：1，2．C－step 2：3，4．C－step 3：5，6．C－step 4： 7
C－ctan 1•1 つ 3 C－ctan $3 \cdot 15$ C－ctan $3 \cdot \mathrm{G}$ C－ctan $1 \cdot 7$
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 representing the dependency constraint between operations 9 and 3 .$x(9,2)+x(9,3)-x(3,1)-x(3,2)>=1$$x(9,2)+x(9,3)+x(9,4)-x(3,1)-x(3,2)-3 x(3,3)-1>=0$$2 x(9,2)+3 x(9,3)+4 x(9,4)-x(3,1)-2 x(3,2)-3 x(3,3)>=0$$2 x(9,2)+3 x(9,3)+4 x(9,4)-x(3,1)-2 x(3,2)-3 x(3,3)>=1$
No, the answer is incorrect.
Score: 0
Accepted Answers:
$2 x(9,2)+3 x(9,3)+4 x(9,4)-x(3,1)-2 x(3,2)-3 x(3,3)>=1$

