Started on	Tuesday, 28 March 2023, 4:36 PM
State	Finished
Completed on	Tuesday, 28 March 2023, 4:51 PM
Time taken	15 mins 19 secs
Grade	**5.00** out of 10.00 (**50**%)

Information

Given the following matrices Q and A for processes P1, P2, P3, and P4, and the available vector V, calculate the R vector and run the deadlock detection algorithm to determine the processes that are deadlocked.

$$Q = \begin{bmatrix} 1 & 1 & 0 \\ 3 & 0 & 4 \\ 1 & 1 & 3 \\ 0 & 1 & 0 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 2 \\ 0 & 0 & 1 \\ 1 & 1 & 1 \\ 1 & 0 & 1 \end{bmatrix}$$

$$V = \begin{bmatrix} 0 & 1 & 0 \end{bmatrix}$$

All questions are all-or-nothing.

Question **1**

Correct

Mark 2.50 out of 2.50

R = [3 ✔ 2 ✔ 5 ✔]

8	1	7	4	11		6

The correct answer is:

R = [[3] [2] [5]]

Question **2**

Incorrect

Mark 0.00 out of 5.00

Final value for W

W = [3 ✔ 2 ✔ 4 ✖]

6	8	9	5		1		7

The correct answer is:

Final value for W

W = [[3] [2] [5]]

Question **3**

Correct

Mark 2.50 out of 2.50

Select the processes that are deadlocked

Select one or more:

- [x] a. No deadlock was detected ✔
- [ ] b. P4
- [ ] c. P2
- [ ] d. P1
- [ ] e. P3

The correct answer is:
No deadlock was detected

Question **4**

Complete

Not graded

Provide a file (JPEG, PDF, etc.) showing your work (step by step) while executing the Deadlock Detection algorithm.

Lab 9.38 Guide in Understanding Operator Overloads 2.pdf

◄ Finish Algorithm Part - Exam 2

Jump to...

Theory Part - Exam 3 (30 points / 1 attempt / 45 minutes) ►