Started on	Tuesday, 28 March 2023, 3:16 PM
State	Finished
Completed on	Tuesday, 28 March 2023, 3:37 PM
Time taken	21 mins 31 secs
Grade	**7.50** out of 10.00 (**75**%)

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.

$$Q = \begin{bmatrix} 2 & 1 & 0 \\ 3 & 0 & 4 \\ 1 & 1 & 3 \\ 0 & 1 & 0 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 2 \\ 0 & 0 & 0 \\ 1 & 1 & 1 \\ 0 & 1 & 3 \end{bmatrix}$$

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

All questions are all-or-nothing.

Question **1**

Correct

Mark 2.50 out of 2.50

R = [2 ✔ 3 ✔ 6 ✔]

The correct answer is:

R = [[2] [3] [6]]

Question **2**

Correct

Mark 5.00 out of 5.00

Final value for W

W = [0 ✔ 2 ✔ 3 ✔]

The correct answer is:

Final value for W

W = [[0] [2] [3]]

Question **3**

Incorrect

Mark 0.00 out of 2.50

Select the processes that are deadlocked

Select one or more:

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

The correct answers are:
P1

,
P3

Question **4**

Not answered

Not graded

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

◄ Finish Algorithm Part - Exam 2

Jump to...

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