

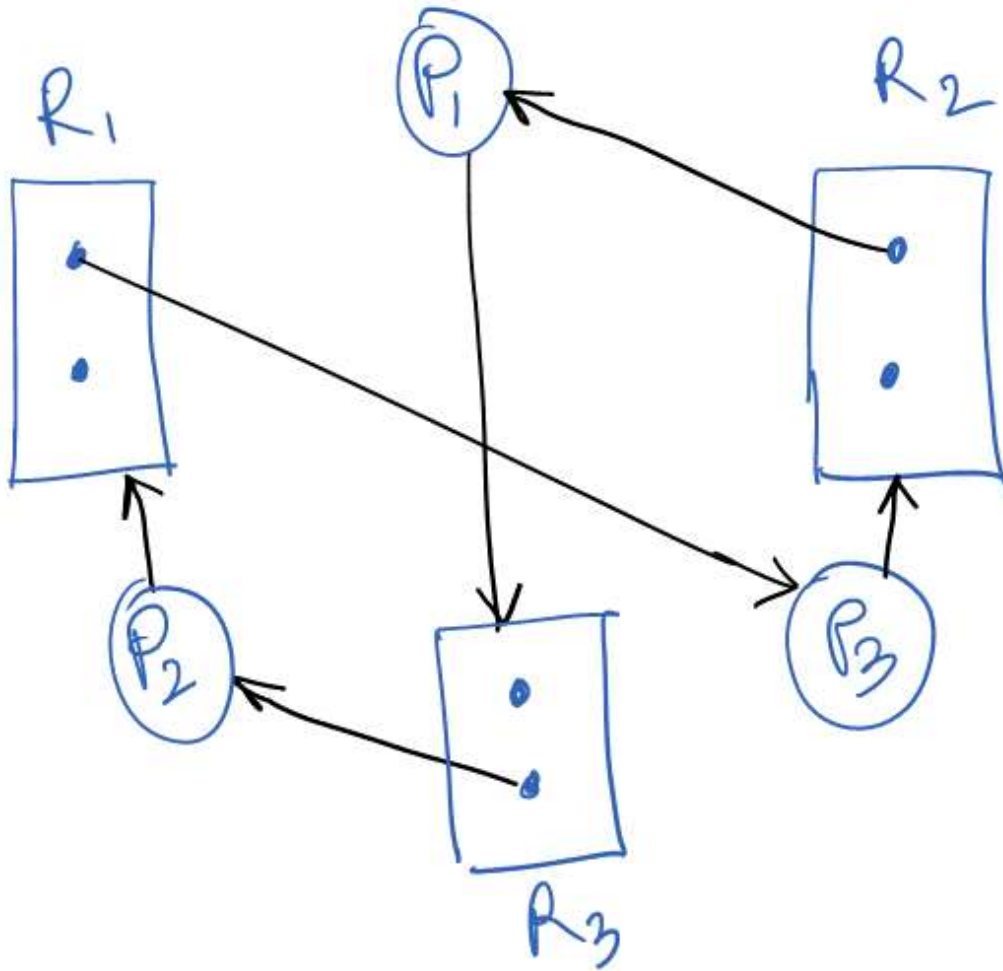


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Quiz 6

Deadlock

5.0/5.0 points (graded)



Select the correct statements about the Resource allocation graph shown above.

☐ One instance of R_1 is assigned to P_1

☒ P_3 is requesting for R_2

☐ P_2 has got one instance of R_1

☒ P1 is requesting for R3

☐ P3 has got one instance from R2

☒ P2 is requesting for R1



How many cycle is there in the graph? [input numerical value only. Exmaple: 5]

1



Is there deadlock in the system?

☐ Yes

☒ No



Submit

You have used 2 of 2 attempts

Question

3.6700000000000004/5.0 points (graded)

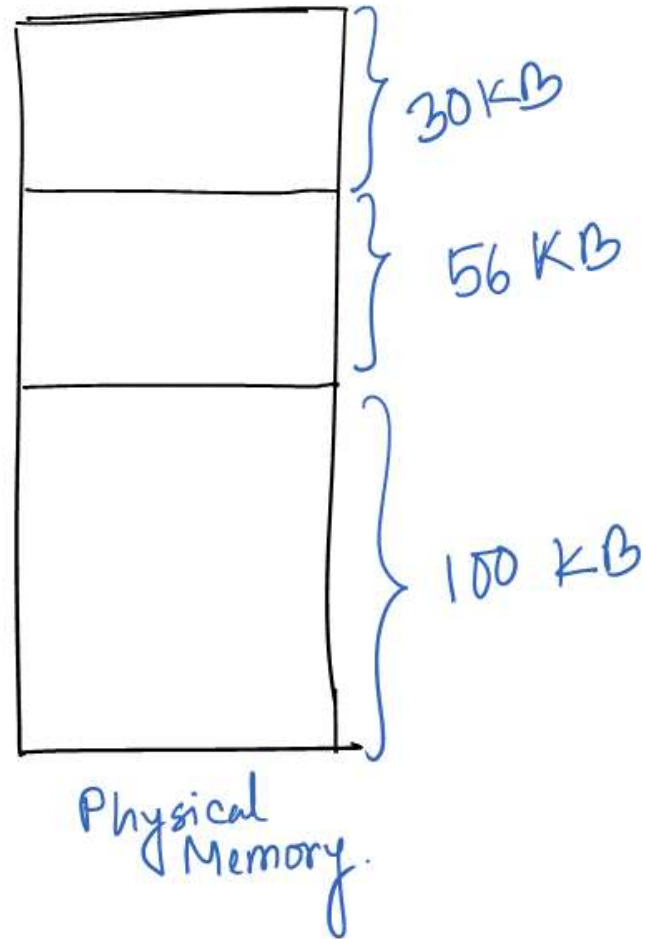
There are 4 processe and three initial holes in the physical memory shown in the picture. The system supports variable size partitioning.

$$P_1 = 20 \text{ KB}$$

$$P_2 = 7 \text{ KB}$$

$$P_3 = 75 \text{ KB}$$

$$P_4 = 32 \text{ KB}$$



If you follow worst fit technique to store the processes, will there be any external fragmentation?

☒ Yes

☐ No

If you follow worst fit technique to store the processes, will there be any internal fragmentation?



Yes



No ✓



Using worst fit technique can all the processes be stroed in physical memory?



Yes



No



Which of the original holes (30KB, 56KB, 100KB) will stay completely free?



30 KB hole *



56 KB hole ✓



100 KB hole



Suppose, there are 3 process P1 (20 KB), P2 (15 KB), P3 (18 KB) and they have 8 KB common portion. The page size is 2 KB. If you follow the shared memory concept, how many frame do you require to store all these three processs in the physical memory? [Enter a numeric value. Example: 5]

You have used 2 of 2 attempts

i Answers are displayed within the problem

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