Memory and File system management

Điểm: 11/13

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✓ **Đúng** 1/1 Điểm

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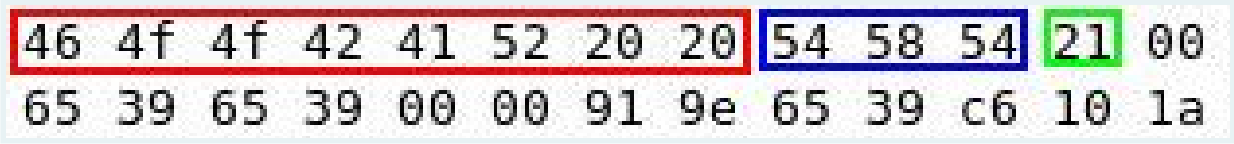
A process refers to 5 pages, A, B, C, D, E in the order : A, B, C, D, A, B, E, A, B, C, D, E. If the page replacement algorithm is FIFO, the number of page faults with an empty internal store of 3 frames is?

- 8
- 10
- 9
- 7

✓ **Đúng** 1/1 Điểm

4

A root entry has the following value. What is the file attribute?



- archive and readonly
- system and readonly
- directory and readonly
- hidden

✓ **Đúng** 1/1 Điểm

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Which of the following page replacement algorithms suffers from Belady's Anomaly?

- All of the above
- None of the above
- Optimal replacement
- LRU
- FIFO
- Both optimal replacement and FIFO

✓ **Đúng** 1/1 Điểm

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When a user job starts in a two level directory system, or a user logs in_____

- the users user file directory is searched
- the system's master file directory is not searched
- the master file directory is indexed by user name or account number, and each entry points to the UFD for that user
- all of the mentioned

✓ **Đúng** 1/1 Điểm

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Increasing the RAM of a computer typically improves performance because

- Virtual memory increases
- Larger RAMs are faster
- Fewer page faults occur
- None of the mentioned
- All of the mentioned

✓ **Đúng** 1/1 Điểm

8

A process refers to 5 pages, A, B, C, D, E in the order : A, B, C, D, A, B, E, A, B, C, D, E. If the page replacement algorithm is FIFO, the number of page frames is increased to 4, then the number of page transfers

- decreases
- increases
- remains the same
- none of the mentioned

✓ **Đúng** 1/1 Điểm

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Contiguous allocation has two problems _____ and _____ that linked allocation solves.

- external – fragmentation & size – declaration
- internal – fragmentation & external – fragmentation
- size – declaration & internal – fragmentation
- memory – allocation & size – declaration

✓ **Đúng** 1/1 Điểm

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A memory page containing a heavily used variable that was initialized very early and is in constant use is removed, then the page replacement algorithm used is

- LRU
- LFU
- FIFO
- None of the mentioned

✓ **Đúng** 1/1 Điểm

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Which page replacement algorithm has the smallest page fault rate?

- All of the mentioned
- Replace the page that has not been used for a long time
- Replace the page that has been used for a long time
- Replace the page that will not be used for a long time
- None of the mentioned

✓ **Đúng** 1/1 Điểm

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Consider a disk where blocks 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 17, 18, 25, 26 and 27 are free and the rest of the blocks are allocated. Then the free space bitmap would be

- 10000110000001110011111100011111...
- 11000011000000111001111100011111...
- 01111001111110001100000011100000...
- 00111100111111000110000011100000...

Không chính xác 0/1 Điểm

13

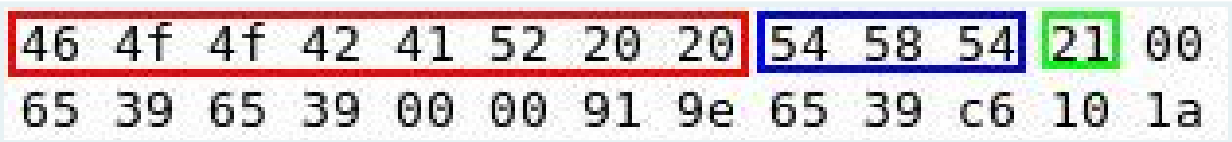
For 3 page frames, the following is the reference string:
7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1
How many page faults does the LRU page replacement algorithm produce?

- 10
- 15
- 11
- 12

Sẽ được xem xét

14

A root entry has the following value. What is the file name?



- FOOBAR.TXT
- FOOTBALL.CPP
- NONAME.EXE
- FILE.DOC

✓ **Đúng** 1/1 Điểm

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What is the reason for using the MFU page replacement algorithm?

- an actively used page should have a large reference count
- a less used page has more chances to be used again
- it is extremely efficient and optimal
- all of the mentioned

Quay lại trang cảm ơn