

Department of Computer Science and Engineering

**FACULTY OF ENGINEERING AND TECHNOLOGY
UNIVERSITY OF LUCKNOW
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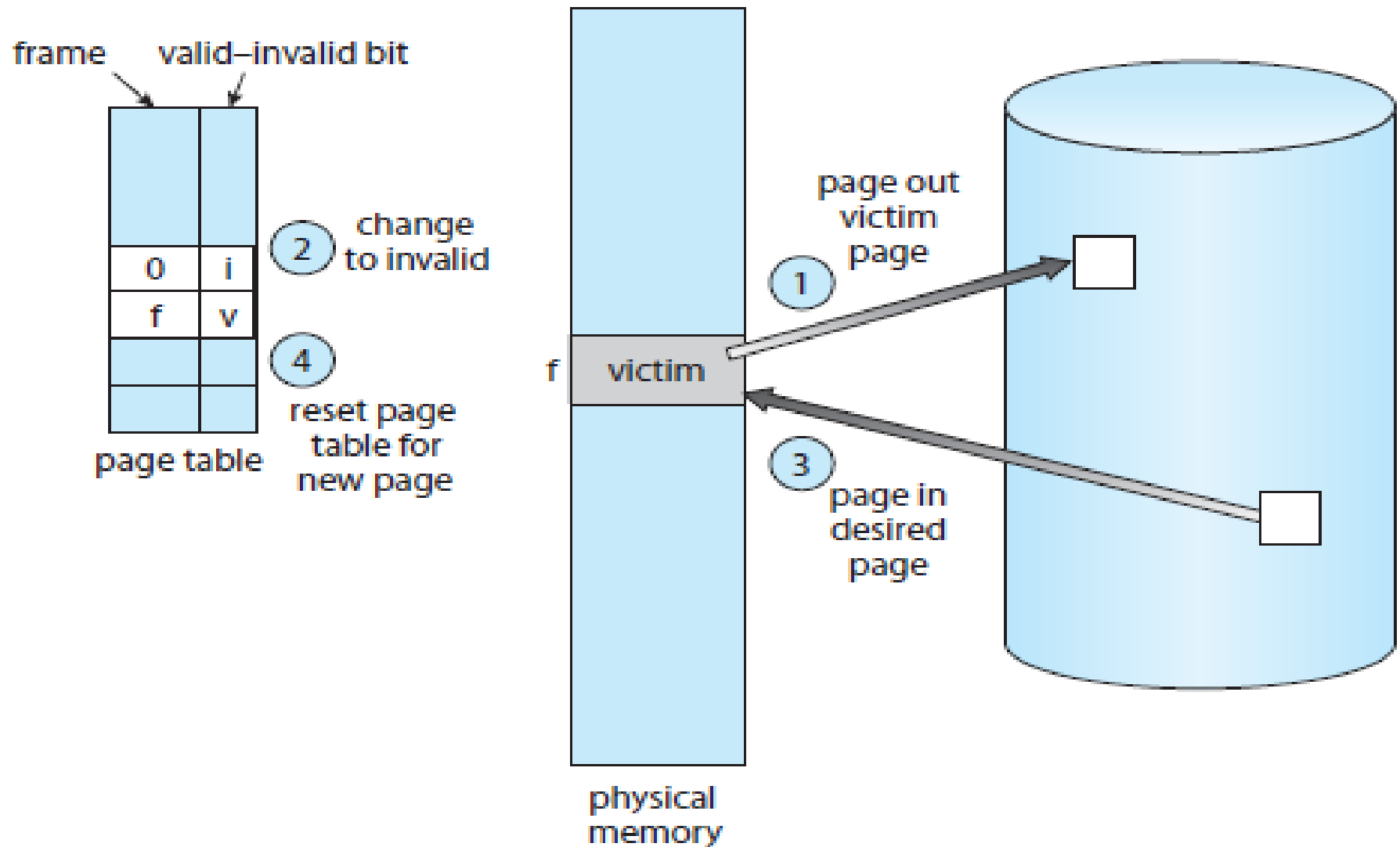


CS-501

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PAGE REPLACEMENT

Page Replacement



Page Replacement

- Steps:

1. Find the location of the desired *page* on the disk.

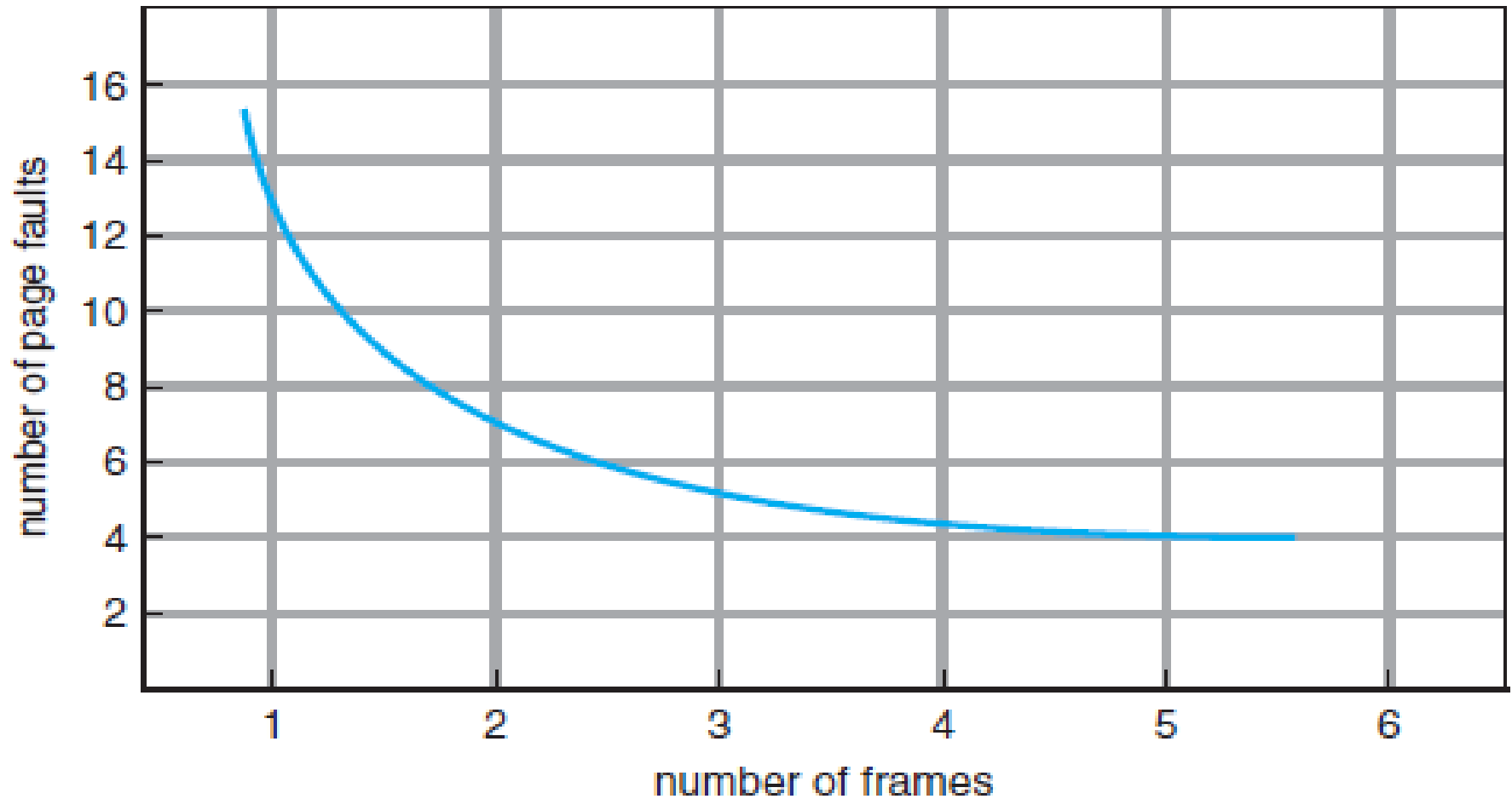
2. *Find a free frame:*

- a) If there is a free frame, use it.
- b) If there is no free frame, use a *page-replacement algorithm* to select a victim frame.
- c) Write the victim frame to the disk; change the page and frame tables accordingly.

Page Replacement

- Steps continue:
3. Read the desired page into the newly freed frame; change the *page and frame tables*.
 4. Continue the user process from where the *page fault* occurred.

Page Replacement: Analysis



References

1. Silberschatz, Galvin and Gagne, “Operating Systems Concepts”, Wiley.
2. William Stallings, “Operating Systems: Internals and Design Principles”, 6th Edition, Pearson Education.
3. D M Dhamdhere, “Operating Systems: A Concept based Approach”, 2nd Edition, TMH.

Thank You.

