

Q26. The sequence of virtual page numbers shown below is encountered in the course of execution of programs on a computer with virtual memory.

[Sequence of virtual page numbers]

3 4 2 6 4 7 1 3 2 6 3 5 1 2 3

In the computer, the LRU page replacement policy is adopted. Main memory has a capacity of 5 pages for programs, and each page is initially empty. What is the page hit ratio (percentage of times that the referenced page is found in main memory) rounded to the nearest integer value?

a) 20

b) 33

c) 50

d) 67