

Q30. The FIFO method is used as the page-replacing algorithm in virtual memory. There are 3 page frames available for a program in main memory, and the page numbers referred to by a program are $4 \rightarrow 3 \rightarrow 2 \rightarrow 1 \rightarrow 3 \rightarrow 5 \rightarrow 2$ in this order. How many times does page-in occur during execution of the program? Here, nothing is loaded into main memory in the initial state.

a) 2

b) 3

c) 5

d) 6