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#include <stdio.h>

#define MAX_FRAMES 3
#define MAX_PAGES 10

int frames[MAX_FRAMES], pages[MAX_PAGES];
int front = 0, rear = 0, num_frames_filled = 0;

int is_page_in_frames(int page) {
    for (int i = 0; i < MAX_FRAMES; i++) {
        if (frames[i] == page) {
            return 1;
        }
    }
    return 0;
}

void print_frames() {
    for (int i = 0; i < MAX_FRAMES; i++) {
        if (frames[i] == -1) {
            printf("- ");
        } else {
            printf("%d ", frames[i]);
        }
    }
    printf("\n");
}

void fifo_page_replacement(int num_pages) {
    for (int i = 0; i < num_pages; i++) {
        if (!is_page_in_frames(pages[i])) {
            if (num_frames_filled < MAX_FRAMES) {
                frames[rear] = pages[i];
                rear = (rear + 1) % MAX_FRAMES;
                num_frames_filled++;
            } else {
                frames[front] = pages[i];
                front = (front + 1) % MAX_FRAMES;
                rear = (rear + 1) % MAX_FRAMES;
            }
            print_frames();
        }
    }
}

int main() {
    int num_pages;

    printf("Enter number of pages: ");
    scanf("%d", &num_pages);

    printf("Enter the page sequence: ");
    for (int i = 0; i < num_pages; i++) {
        scanf("%d", &pages[i]);
    }

    for (int i = 0; i < MAX_FRAMES; i++) {
        frames[i] = -1;
    }

    fifo_page_replacement(num_pages);

    return 0;
}

```