## Homework 8: Page replacement

## Answer the following question.

1. Consider the following page reference string:
$1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,2,3,6$
Which memory accesses will cause page faults for the following settings? [9]

| Replacement <br> algorithm | Number <br> of physical <br> frames |
| :--- | :--- |
| LRU | 2 |
| LRU | 3 |
| LRU | 6 |
| FIFO | 2 |
| FIFO | 3 |
| FIFO | 6 |
| Optimal | 2 |
| Optimal | 3 |
| Optimal | 6 |

## How to submit

Upload your solution (in pdf format) at Backpack.

