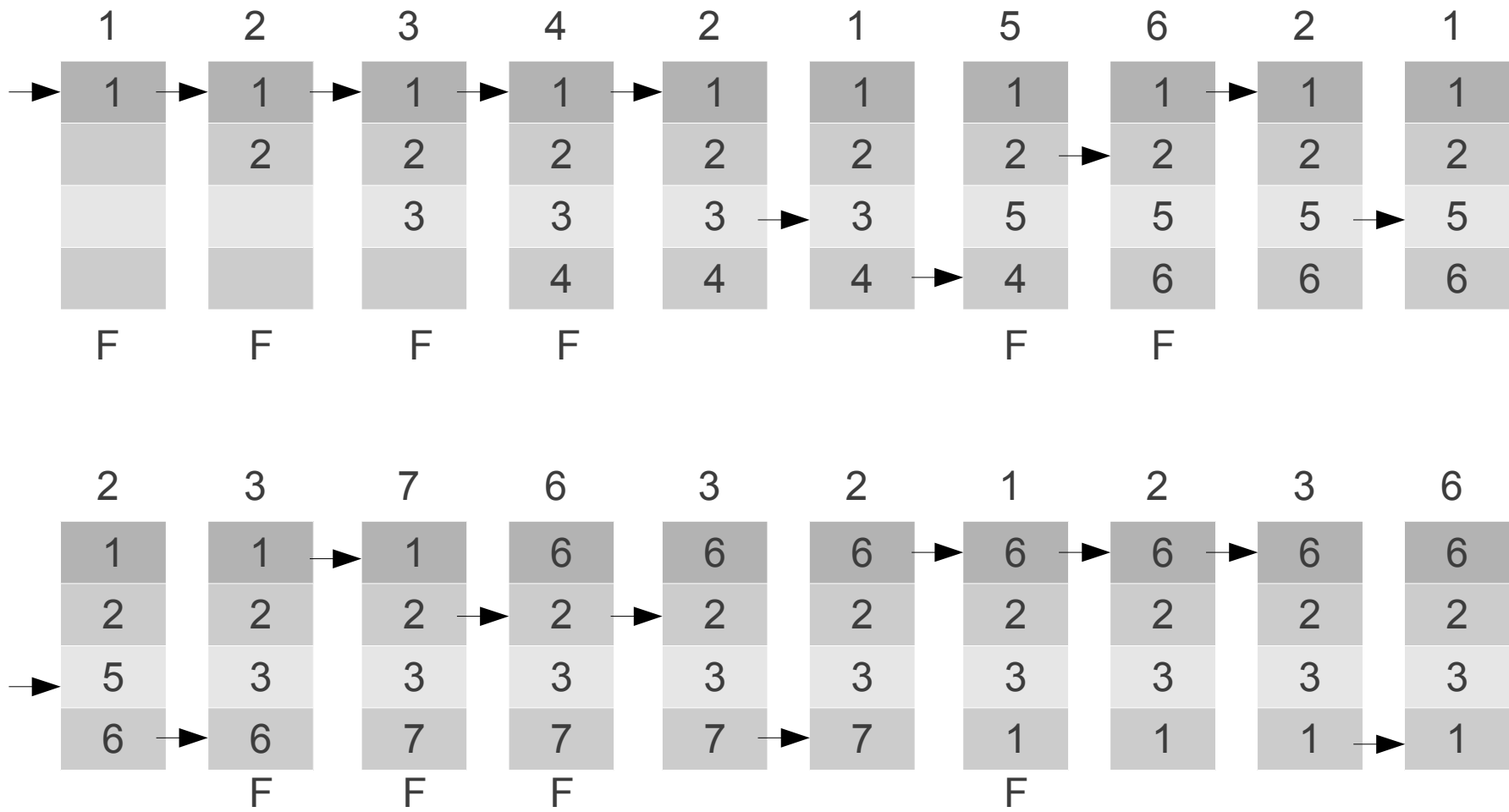


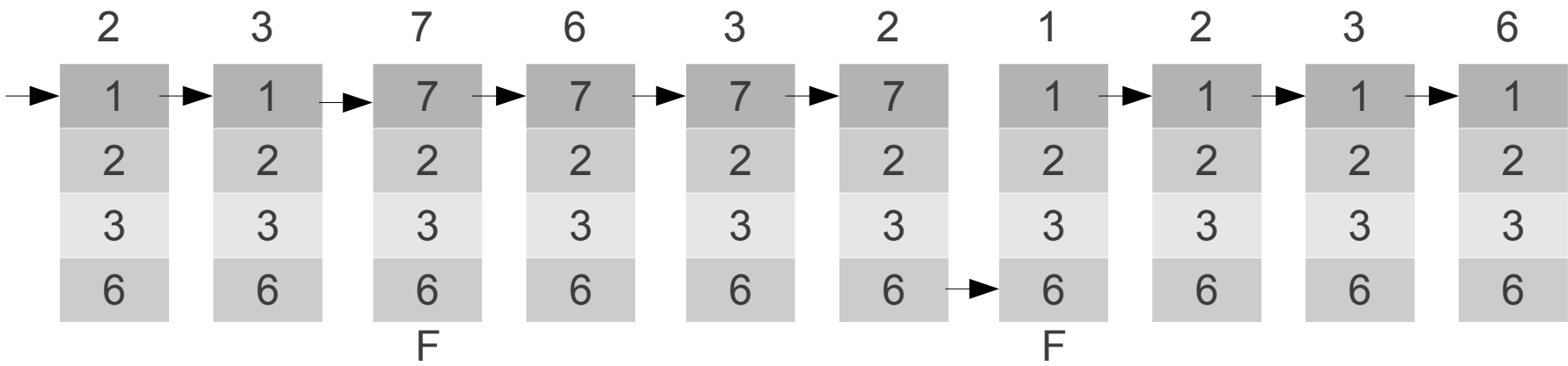
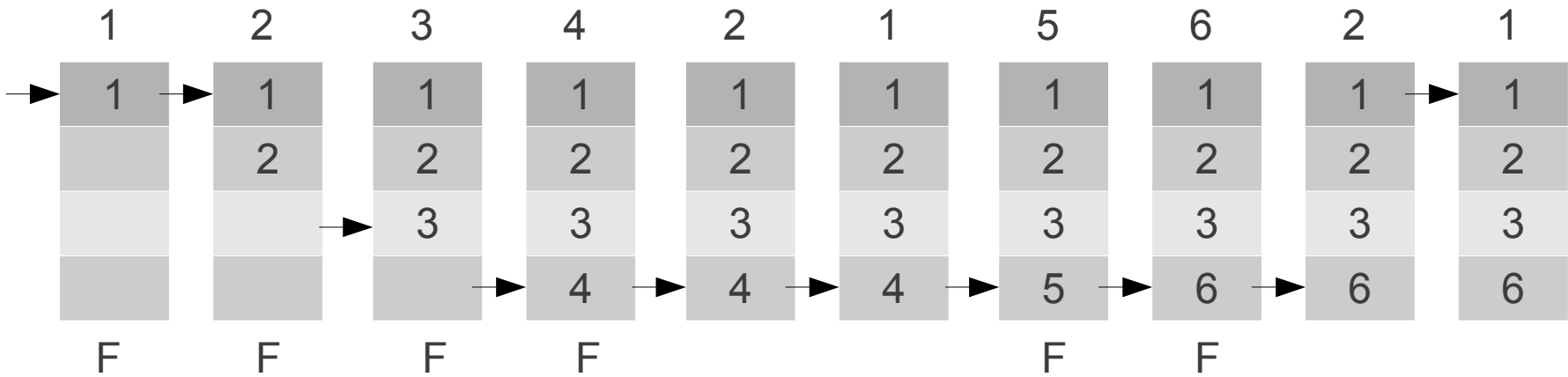
# Question – Page replacement algorithm

- Given page reference string:
  - 1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,2,3,6
- Compare the number of page faults for LRU, FIFO and Optimal page replacement algorithm

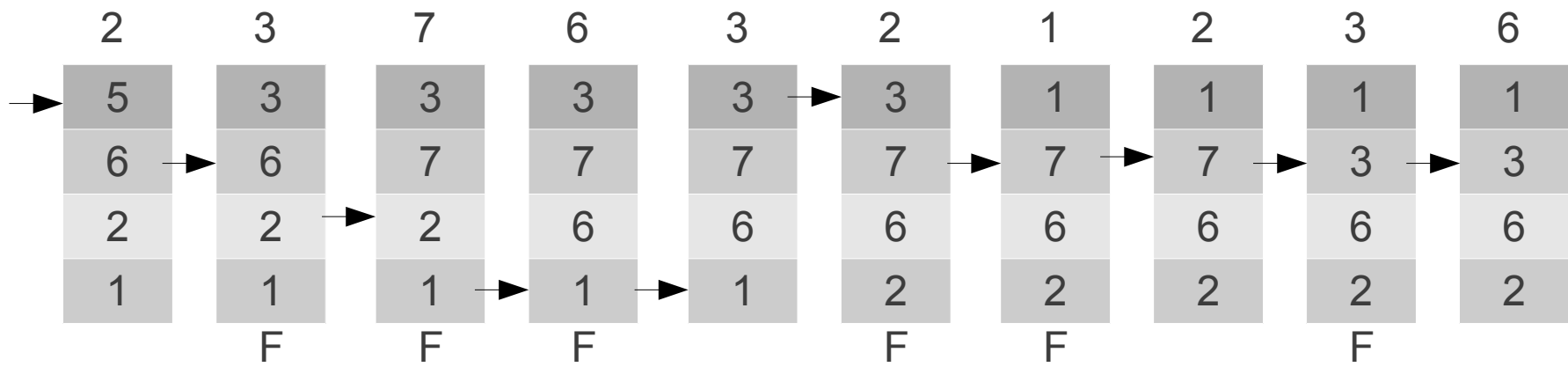
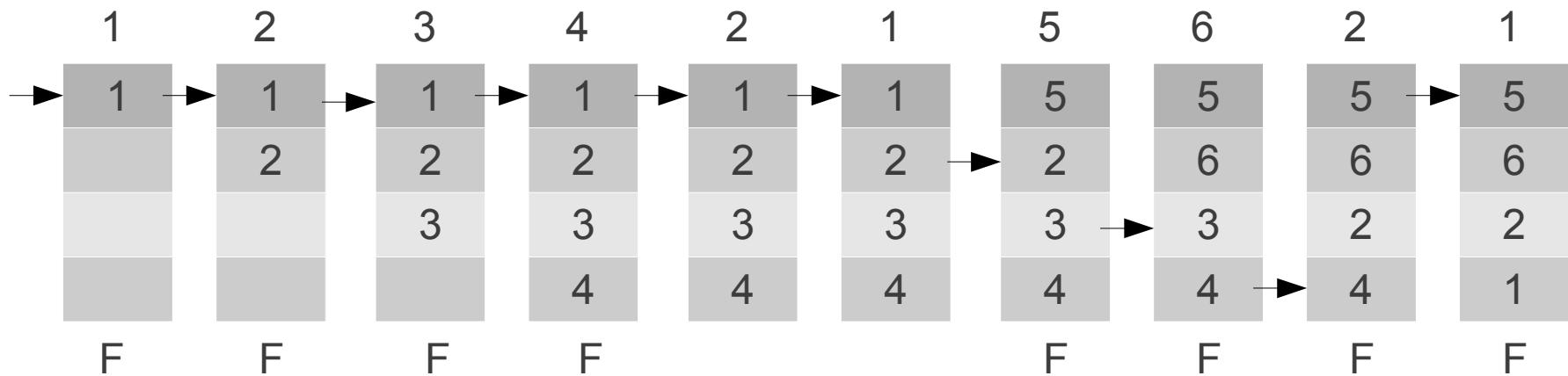
# Question : 4 Frames, LRU



# Question : 4 Frames, OPT

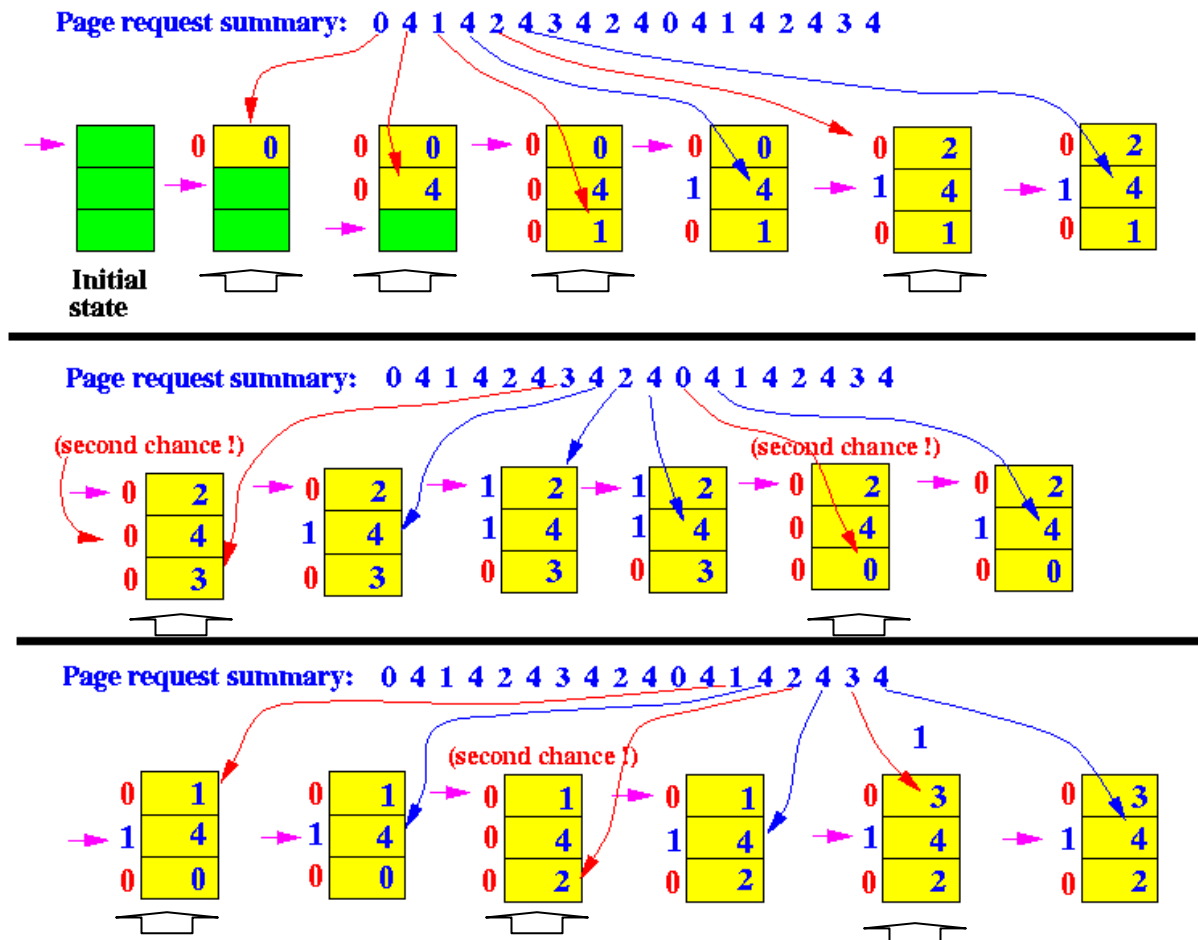


# Question : 4 Frames, FIFO



## Second Chance page Replacement Algorithm:

The following figure shows the behavior of the program in paging using the Second Chance page replacement policy:



Total Page fault=9

Fault rate/ratio=  $9/18=0.50$