补充题

1. Under what circumstances do page faults occur? Describe the actions taken by the operating system when a page fault occurs.

2. 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.

How many page faults would occur for the following replacement algorithms, assuming three, or four frames?

Remember all frames are initially empty, so your first unique pages will all cost one fault each.

    (1)   LRU replacement

    (2)   FIFO replacement

    (3)   Optimal replacement