### Second Chance

Access	Hit/Miss	Evict	PO	PI	P2	P3
	Miss					
2	Miss			2		
3	Miss			2	3	
4	Miss			2	3	4
	Hit		*	2	3	4
2	Hit		*	2*	3	4
5	Miss	3		2	5	4
	Hit		*	2	5	4
2	Hit		*	2*	5	4
3	Miss	4	*	2*	5	3
4	Miss	5		2	4	3
5	Miss	3		2	4	5

## Total 8 misses

# Second Chance implementation Version I : FIFO-like algorithm

→ use the accessed bit supported by most hardware

#### **Data structure**

linked list of pages with two pointers head and tail

### Code

- · on hit, set the corresponding page's accessed bit to I
- on miss
  - I. while head's accessed bit is I, set head's accessed bit to 0 and move it to tail
  - 2. else head's accessed bit is 0, swap the head an move the new page to tail
- Good performances but requires moving pages on every miss