First frame in circular buffer of frames that are candidates for replacement

n – 1

0

page 9
use = 1

page 19
use = 1

1

page 1
use = 1

next frame pointer

page 45
use = 1

2

page 222
use = 0

page 191
use = 1

3

8

page 33
use = 1

page 556
use = 0

page 67
use = 1

page 13
use = 0

4

7

6

5

(a) State of buffer just prior to a page replacement

n – 1

0

page 9
use = 1

page 19
use = 1

1

page 1
use = 0

page 45
use = 0

2

page 222
use = 0

page 191
use = 0

3

8

page 33
use = 1

page 727
use = 1

page 67
use = 1

page 13
use = 0

4

7

6

5
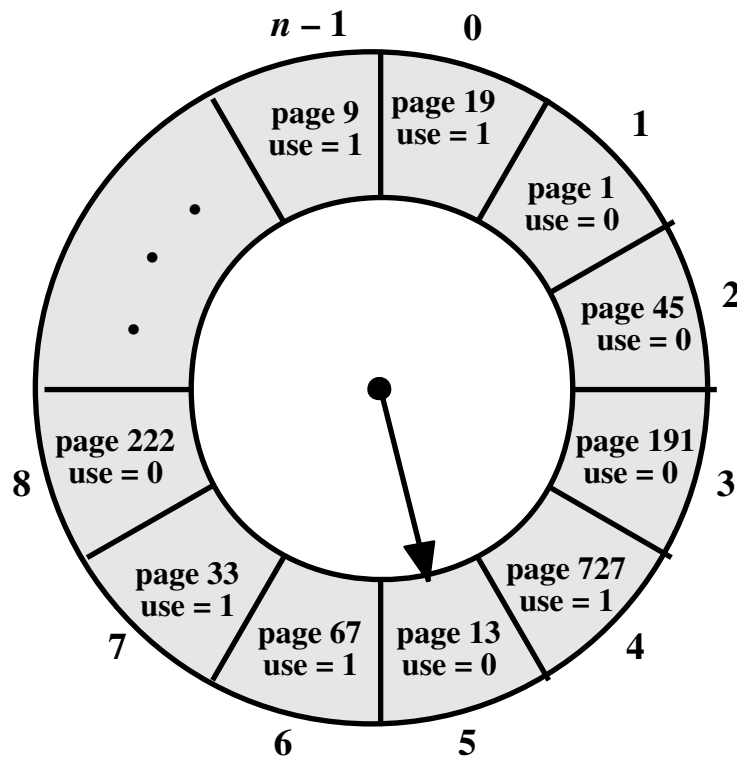
(b) State of buffer just after the next page replacement

Figure 8.16   Example of Clock Policy Operation