```
01   #include <stdio.h>
02 #include <stdlib.h>
03
04 int main()
05 {
06     int i = 0;
07     int ladder_head = 0;
08     int ladder_foot = 0;
09     int snake_head = 0;
10     int snake_tail = 0;
11     int n = 0;
12     int *p1;
13     int *p2;
14
15     int pos1 = 0;
16     int pos2 = 0;
17     int xpos1 = 0;
18     int xpos2 = 0;
19
20     scanf("%d %d",&ladder_foot,&ladder_head);
21     scanf("%d %d",&snake_head,&snake_tail);
22     scanf("%d",&n);
23
24     p1 = (int *)malloc(n*sizeof(int));
25     p2 = (int *)malloc(n*sizeof(int));
26
27     for(i = 0;i<n;++i) {
28         scanf("%d ",p1+i);
29     }
30
31     for(i = 0;i<n;i++) {
32         scanf("%d ",p2+i);
33     }
34
35     for(i = 0;i<n;++i) {
36         if(p1[i] != 1) {
37             xpos1++;
38             continue;
39         }
40
41         if(p1[i] == 1) {
42             break;
43         }
44
45     }
46
47     for(i = 0;i<n;++i) {
48         if(p2[i] != 1) {
49             xpos2++;
```

```
50              continue;
51          }
52
53          if(p2[i] == 1) {
54              break;
55          }
56
57      }
58
59
60
61      for(i = xpos1;i<n;i++) {
62          if(pos1 == ladder_foot) {
63              pos1 = ladder_head;
64          }
65
66          if(pos1 == snake_head) {
67              pos1 = snake_tail;
68          }
69
70          pos1 = pos1 + p1[i];
71      }
72
73      for(i = xpos2;i<n;i++) {
74          if(pos2 == ladder_foot) {
75              pos2 = ladder_head;
76          }
77
78          if(pos2 == snake_head) {
79              pos2 = snake_tail;
80          }
81
82          pos2 = pos2 + p2[i];
83      }
84
85      if(pos1 >= 100) {
86          pos1 = 100;
87      }
88
89      if(pos2 >= 100) {
90          pos2 = 100;
91      }
92
93      printf("%d\n%d",pos1,pos2);
94      return 0;
95  }
```