Output 1

```
Enter the sorted integer array nums (enter 'x' to stop): 1
Continue? (y/n): y
2
Continue? (y/n): y
7
Continue? (y/n): y
8
Continue? (y/n): x
Enter the integer n: 25
Minimum patches required: 2


...Program finished with exit code 0
Press ENTER to exit console.
```

Output 2

```
Enter the sorted integer array nums (enter 'x' to stop): 1
Continue? (y/n): y
3
Continue? (y/n): y
6
Continue? (y/n): y
9
Continue? (y/n): y
10
Continue? (y/n): x
Enter the integer n: 45
Minimum patches required: 2


...Program finished with exit code 0
Press ENTER to exit console.
```