



☆ Buying Show Tickets



1

A line has formed to buy tickets for a concert. In order to delay a shortage caused by brokers buying large blocks of tickets, venue management has decided to sell only one ticket at a time. Buyers have to wait through the line again if they want to buy more tickets. Jesse is standing in line and has a number of tickets to purchase.

2

Given a list of ticket buyers with their numbers of desired tickets, determine how long it will take Jesse to purchase his tickets. Jesse's position in line will be stated, and each transaction takes 1 unit of time. For your purposes, no time is spent moving to the back of the line.

3

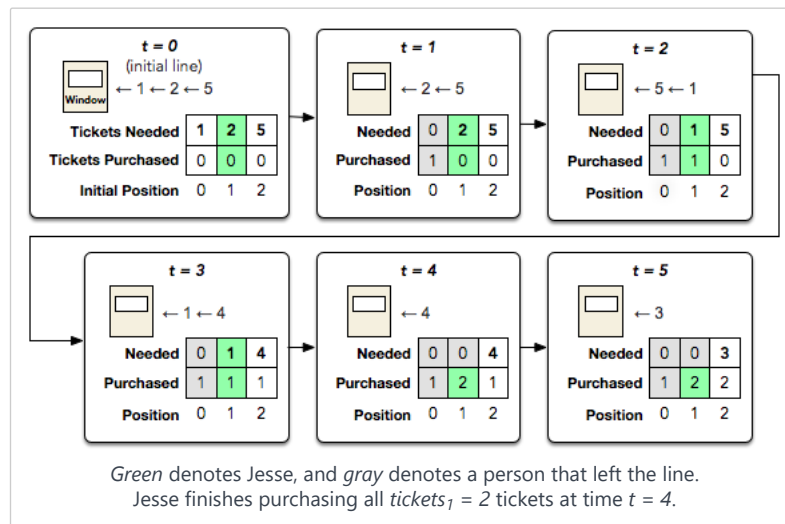
4

For example, if the zero indexed array of ticket requirements, $tickets = [1, 2, 5]$, and Jesse's position $p = 1$, the first five seconds of ticket sales look like this:

5

6

7



Function Description

Complete the function `waitingTime` in the editor below. The function must return an integer representing the units of time it takes Jesse to purchase his desired number of tickets.

`waitingTime` has the following parameter(s):

$tickets[tickets[0], \dots, tickets[n-1]]$: an array of tickets desired by each person at position $tickets[i]$

p : Jesse's position in line

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq tickets[i] \leq 10^9$, where $0 \leq i < n$.
- $0 \leq p < n$

Input Format for Custom Testing

Sample Case 0

Sample Input 0

5
2
6



Sample Output 0

12



Explanation 0

2

Given *tickets* = [2, 6, 3, 4, 5], Jesse's position in line is marked in bold. His wait time looks like this:

3

0. *window* ← 2 ← 6 ← **3** ← 4 ← 51. *window* ← 6 ← **3** ← 4 ← 5 ← 1

4

2. *window* ← **3** ← 4 ← 5 ← 1 ← 53. *window* ← 4 ← 5 ← 1 ← 5 ← 2

5

4. *window* ← 5 ← 1 ← 5 ← 2 ← 35. *window* ← 1 ← 5 ← 2 ← 3 ← 4

6

6. *window* ← 5 ← 2 ← **3** ← 4 (the person at the head of the line in the previous step purchased their last ticket and does not re-enter the line)7. *window* ← 2 ← 3 ← 4 ← 48. *window* ← 3 ← 4 ← 4 ← 1

7

9. *window* ← 4 ← 4 ← 1 ← 210. *window* ← 4 ← 1 ← 2 ← 311. *window* ← 1 ← 2 ← 3 ← 312. *window* ← 2 ← 3 ← 3 (Jesse purchased his last ticket and does not re-enter the line)

It took a total of 12 units of time to purchase 2 tickets.

Sample Case 1

Sample Case 2

YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour.

[Start tour](#)

📘 For help on how to read input and write output in Java 7, [click here](#).



Original Code

Java 7



```
1  import java.io.*; ...
10
11  class Result {
12
13      /*
14       * Complete the 'waitingTime' function below.
15       *
16       * The function is expected to return a LONG_INTEGER.
17       * The function accepts following parameters:
18       * 1. INTEGER_ARRAY tickets
19       * 2. INTEGER p
20       */
21
22      public static long waitingTime(List<Integer> tickets, int p) {
23          // Write your code here
24      }
25  }
26
27  }
28
```



Vipps Java Developer Hiring Test Senior

⌚ 01h : 06m
to test end

5/7 Attempted

👤 Aakash



1

Line: 10 Col: 1

2

☐ Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

3

[📄 Download sample test cases](#) *The input/output files have Unix line endings. Do not use Notepad to edit them on windows.*

4

5

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6

7