Subarray Sums II
Problem ID: subarraysumsii1661

Given an array of \( n \) integers, your task is to count the number of subarrays having sum \( x \).

Input
The first input line has two integers \( n \) and \( x \): the size of the array and the target sum \( x \).
The next line has \( n \) integers \( a_1, a_2, \ldots, a_n \): the contents of the array.

Output
Print one integer: the required number of subarrays.

Constraints
\[
\begin{align*}
& 1 \leq n \leq 2 \cdot 10^5 \\
& -10^9 \leq x, a_i \leq 10^9
\end{align*}
\]

Sample Input 1

```
5 7
2 -1 3 5 -2
```

Sample Output 1

```
2
```