2. Road Repair

A number of points along the highway are in need of repair. An equal number of crews are available, stationed at various points along the highway. They must move along the highway to reach an assigned point. Given that one crew must be assigned to each job, what is the minimum total amount of distance traveled by all crews before they can begin work?

For example, given crews at points {1,3,5} and required repairs at {3,5,7}, one possible minimum assignment would be {1→ 3, 3 → 5, 5 → 7} for a total of 6 units traveled.

Function Description
Complete the function *getMinCost* in the editor below. The function should return the minimum possible total distance traveled as an integer.

getMinCost has the following parameter(s):
crewId[crewId[0],...crewId[n-1]] : a vector of integers
jobId[jobId[0],...jobId[n-1]] : a vector of integers

Constraints

- $1 \leq n \leq 10^5$
- *crewId[i] :* $1 \leq crewId[i] \leq 10^9$
- *jobId[i] :* $1 \leq jobId[i] \leq 10^9$

▼ Input Format For Custom Testing

The first line contains an integer, *n*, denoting the number of elements in *crew_id* and *job_id*.
Each line *i* of the *n* subsequent lines (where $0 \leq i < n$) contains an integer describing *crew_id[i]*.
The next line again contains the integer *n* as above.
Each line *i* of the *n* subsequent lines (where $0 \leq i < n$) contains an integer describing *job_id[i]*.

▼ Sample Case 0

Sample Input For Custom Testing

```
5
5
3
1
4
6
5
9
8
3
15
1
```

Sample Output

```
17
```

Explanation
By index, *crewId[i]* → *jobId[i]*, { (0 → 0) , (1 → 2) , (2 → 4) , (3 → 3) , (4 → 1) } is one possible assignment for a minimum cost of 17. Showing element values, this is { (5 → 9) , (3 → 3) , (1 → 1) , (4 → 15) , (6 → 8) } yielding a total travel distance of 4 + 0 + 0 + 11 + 2 = 17.

▼ Sample Case 1

Sample Input For Custom Testing

```
4
5
1
4
2
4
4
7
9
10
```

Sample Output

```
18
```

Explanation
By index, { (1 → 0) , (0 → 1) , (2 → 2) , (3 → 3) } is one possible assignment for a minimum cost of 18.