

## Compensation Task for Experiment - 2 to 7

Exp. 2	<a href="https://www.hackerearth.com/practice/data-structures/arrays/1-d/practice-problems/algorithm/howie-and-the-menus-2-48359fe4/">https://www.hackerearth.com/practice/data-structures/arrays/1-d/practice-problems/algorithm/howie-and-the-menus-2-48359fe4/</a>
Exp .3	<a href="https://www.hackerearth.com/practice/data-structures/advanced-data-structures/segment-trees/practice-problems/algorithm/friends-9-35ea2f93/">https://www.hackerearth.com/practice/data-structures/advanced-data-structures/segment-trees/practice-problems/algorithm/friends-9-35ea2f93/</a>
Exp 4	<a href="https://www.hackerearth.com/practice/algorithms/greedy/basics-of-greedy-algorithms/practice-problems/algorithm/fruit-slicing-9a455100/">https://www.hackerearth.com/practice/algorithms/greedy/basics-of-greedy-algorithms/practice-problems/algorithm/fruit-slicing-9a455100/</a>
Exp 5	<a href="https://www.hackerearth.com/practice/algorithms/string-algorithm/string-searching/practice-problems/algorithm/special-palindrome-11f52457/">https://www.hackerearth.com/practice/algorithms/string-algorithm/string-searching/practice-problems/algorithm/special-palindrome-11f52457/</a>
Exp 6	<a href="https://www.hackerearth.com/practice/algorithms/graphs/graph-representation/practice-problems/algorithm/split-the-bill-3-5a0690ff/">https://www.hackerearth.com/practice/algorithms/graphs/graph-representation/practice-problems/algorithm/split-the-bill-3-5a0690ff/</a>

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EXP4

```
#include<bits/stdc++.h>

using namespace std;

int solve (int N, vector<int> A) {

    // Write your code here

    set<int> s;

    for(int i=0;i<N;i++) s.insert(A[i]);

    return s.size();

}
```

```
int main() {

    ios::sync_with_stdio(0);

    cin.tie(0);

    int T;

    cin >> T;

    for(int t_i = 0; t_i < T; t_i++)
    {

        int N;

        cin >> N;

        vector<int> A(N);

        for(int i_A = 0; i_A < N; i_A++)
        {

            cin >> A[i_A];

        }

        int out_;


        out_ = solve(N, A);

        cout << out_;






































        cout << "\n";

    }

}
```

**RESULT:**  Accepted[? Refer judge environment](#)

Score	Time (sec)	Memory (KiB)	Language
0	0.45369	5580	C++17

Input	Result	Time (sec)	Memory (KiB)	Score	Your output	Correct output	Diff
Input #1	 Accepted	0.008585	2	5			
Input #2	 Accepted	0.009236	2	5			
Input #3	 Accepted	0.009239	2	5			
Input #4	 Accepted	0.00878	2	5			
Input #5	 Accepted	0.009113	2	5			
Input #6	 Accepted	0.016764	2	15			
Input #7	 Accepted	0.01694	2	15			
Input #8	 Accepted	0.14621	5580	15			
Input #9	 Accepted	0.090209	5212	15			
Input #10	 Accepted	0.138619	5132	15	