

Edward has Hours of Math Homework!?

Edward is sifting through his math homework and he notices the teacher has mistakenly assigned repeated page numbers for homework.

Although it appears his teacher has assigned him copious amounts of homework, he knows he doesn't have much homework based on these repeats.

He needs your help in determining how many pages he actually needs to do.

Instructions

Problem

Determine the number of unique integers in a given list.

Input Specification

The first line will contain the integer n ($1 \leq n \leq 10$). The following n lines will contain an integer k ($1 \leq k \leq 100$), and these n integers constitute the aforementioned list.

Output Specification

Print out the number of unique integers in the given list of integers.

Samples:

3

1

2

2

ans = 2

5

1

2

2

3

3

ans = 3