**Min sum formed by digits**

Submissions: [3386](https://practice.geeksforgeeks.org/problem_submissions.php?pid=1530)  Accuracy:

63.26%

   Difficulty: [Easy](https://practice.geeksforgeeks.org/Easy/0/0/)   Marks: 2

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Given an array of digits (values are from 0 to 9), find the minimum possible sum of two numbers formed from digits of the array. All digits of given array must be used to form the two numbers.

**Input:**

The first line of input contains an integer T denoting the number of test cases.Then T test cases follow. First line of each test case contains an integer N denoting the size of the array. Next line of each test contains N space seperated integers denoting the elements of the array.  
**Output:**

For each test case output a single line containing the required sum.  
**Constraints:**

1<=T<=100  
1<=N<=50  
**Example:**

**Input**

2  
6  
6 8 4 5 2 3  
5  
5 3 0 7 4

**Output**

604  
82

**Explanation:**

Test Case 1-

The minimum sum is formed by numbers

358 and 246

Test Case 2 -

The minimum sum is formed by numbers

35 and 047

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/min-sum-formed-by-digits/0#ExpectOP) option \*\*

<https://practice.geeksforgeeks.org/problems/min-sum-formed-by-digits/0>

1. **def** SumArray(arr):
2. arr = sorted(arr)
3. a = ""
4. **for** i **in** range(0, len(arr), 2):
5. a += str(arr[i])
6. b = ""
7. **for** i **in** range(1, len(arr), 2):
8. b += str(arr[i])
9. **return** int (a) + int(b)
11. t = int(input())
12. **while**(t > 0):
14. n = int(input())
15. entrada = input().split(' ')
16. a = []
17. **for** i **in** range(0, n):
18. a.append(int(entrada[i]))
20. **print**(SumArray(a))
22. t -= 1