Swaminathan and his Students

Prof. Swaminathan has been appointed as the official student coach to train the students for ICPC in Amrita. He has been working with them for past 7 months. Now his students whom he has trained, want to attend ICPC-Kolkata regionals. Since they have been trained for only 7 months, he is not expecting them to make wonders, but instead he believes in his students. Since he has been working with them for the past several months, he knows their strategies and their skills. After reading the questions of the onsite regionals, he knows how much time his team will take to solve each problem in the best possible way if they don't get any penalty in any problem. Remember the minimum number of problems in each contest will be greater than **7** and less than **15**, and the total time of the contest is for **5 hours**.
You are given the total number of minutes Prof.Swaminathan's students will take to solve each problem. Please help him find out the maximum number of problems that the team can solve with minimum possible penalty time. Also find out total time penalty in which these problems will be solved.

Input:
The first line of the input contains a single integer **T** (**1** $\leq$ **T** $\leq$ **100**) the number of test cases. Each test case consists of two lines. The first line contains a single integer **N** (**7** $\leq$ **N** $\leq$ **15**), the number of problems .The next line consists of N integers separated by a single space: **A$_i$** (**4** $\leq$ **A$_i$** $\leq$ **360**) which refers to the solving time for each problem.

Output:
For each test case, output two integers: first, the maximum number of problems that can be solved; second, total time penalty in solving these problems.

Sample Input:
1
7
1 2 3 4 5 6 7

Sample Output:
7 84