Odd and Even

Jojo loves to separate a group of integer to odd group and even group. Bibi, his friend knows his hobby and decided to give N integers to Jojo. Jojo who already separated the integers to groups is desperate, he doesn't know if all the integers are in the correct group. After knowing Jojo's problem, help him by making a program that gives him the correct number of integers in the odd group and the even group.

Format Input
The first line of input consist of integer T which indicates the number of the test cases. T lines of input will consist of an integer N which is the number of integers and the next N integers are the integers Jojo want to group.

Format Output
Output the correct odd group and even group. Print a newline character after each testcases.

Constraints
1 <= T <= 100
1 <= N <= 1000
1 <= A_i <= 1000

Sample Input	Sample Output
2 10 1 2 3 4 5 6 7 8 9 10 6 1 3 5 7 9 11	Odd group : 5 integer(s). Even group : 5 integer(s). Odd group : 6 integer(s). Even group : 0 integer(s).