Assignment Case	
COMP6047 Algorithm and Programming	BINUS UNIVERSITY Software Laboratory Center
Computer Science	**<Case Code>**
***Valid on** Compact Semester Year 2019/2020*	**Revision 00**

Soal
Case

Scholarship

Jojo, Lili, and Bibi want to apply for a schrolarship. The scholarship program requires all participants to collect their mathematics exam score ordered by time chronologically. The first requirement to get this scholarship is to have constantly increasing mathematics score. The program coordinator will find the median for every 4 scores from the first until the last mathematics score for each participant. If all of the medians are non-decreasing, then the participant is accepted to the scholarship program. Now, you are asked to help them predict the result if Jojo, Lili, and Bibi apply for this scholarship.

Given a file named ***testdata.in*** contains Jojo, Lili, and Bibi mathematics score. They have a different number of exams since they all come from a different school.

Format Input

The first line contain an integer T represents the number of test cases. Each test case starts with a formatted line "A N" where A is the name of the scores' owner and N is an integer represents how many exam scores they had. The next line will consist of N integer N_i represents the exam scores detail.

Format Output

Each case starts with "A: ", where A indicates the name of the participant, followed by the the result of the scholarship (Accepted or Rejected).

Constraints

$1 \leq T \leq 10$

$4 \leq N \leq 10000$

$1 \leq |A|, N_i \leq 100$

Sample Input (testdata.in)	Sample Output
3 Jojo 10 59 49 87 78 80 82 95 90 48 90 Lili 8 97 95 81 90 75 94 68 85 Bibi 11 85 90 79 67 89 91 76 95 68 77 91	Jojo: Accepted Lili: Rejected Bibi: Rejected

Explanation:

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59 49 87 78 80 82 95 90 48 90
49 59 78 87 -> 68.5
   49 78 80 87 -> 79
      78 80 82 87 -> 81
         78 80 82 95 -> 81
            80 82 90 95 -> 86
               48 82 90 95 -> 86
                  48 90 90 95 -> 90
The median of 4 score is always increasing or at least constant,
then Jojo is Accepted

97 95 81 90 75 94 68 85
81 90 95 97 -> 92.5
   75 81 90 95 -> 85.5
The median of 4 score is decreasing,
then Lili is Rejected
```

Note:

Don't forget to add the newline character after printing the output.