12372 Packing for Holiday

Mr. Bean used to have a lot of problems packing his suitcase for holiday. So he is very careful for this coming holiday. He is more serious this time because he is going to meet his fiancée and he is also keeping frequent communication with you as a programmer friend to have suggestions. He gets confused when he buys a gift box for his fiancée because he can't decide whether it will fit in his suitcase or not. Sometimes a box doesn't fit in his suitcase in one orientation and after rotating the box to a different orientation it fits in the suitcase. This type of behavior makes him puzzled.

So to make things much simpler he bought another suitcase having same length, width and height, which is 20 inches. This measurement is taken from inside of the box. So a box which has length, width and height of 20 inches will just fit in this suitcase. He also decided to buy only rectangular shaped boxes and keep a measuring tape in his pocket. Whenever he chooses one gift box, which must be rectangular shaped, he quickly measures the length, width and height of the box. But still he can't decide whether it will fit in his suitcase or not. Now he needs your help. Please write a program for him which calculates whether a rectangular box fits in his suitcase or not provided the length, width and height of the box. Note that, sides of the box must be parallel to the sides of the suitcase.

Input

Input starts with an integer T ($T \leq 100$), which indicates the number of test cases.

Each of the next T line contains three integers L, W and H ($1 \leq L, W, H \leq 50$) denoting the length, width and height of a rectangular shaped box.

Output

For each test case, output a single line. If the box fits in the suitcase in any orientation having the sides of the box is parallel to the sides of the suitcase, this line will be 'Case #: good', otherwise it will be 'Case #: bad'. In your output # will be replaced by the case number.

Please see the sample input and sample output for exact format.

Sample Input

```
2
20 20 20
1 2 21
```

Sample Output

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Case 1: good
Case 2: bad
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