Problem 5: Doubtful Minion

Minion is a foolish and always asks “why”. When they find something (actually everything), it will become a question!! One day, they were hiding in the cave, they found a freak letter on the cave wall said “What is the F_n?” with the formula

$$F_n = \frac{1}{\sqrt{5}}\left(\frac{1+\sqrt{5}}{2}\right)^n - \frac{1}{\sqrt{5}}\left(\frac{1-\sqrt{5}}{2}\right)^n$$

Minions spend a time for a thousand years (and for thousand more). Later, one mathematician discovered this cave and saw the question. He found that this formula can be used to calculate a number in a sequence by not having to calculate the whole series of numbers.

He left the mysterious for you to solve that, the F_n from the calculation is Odd or Even.

INPUT

The first line of input contains *M* the number of cases and then *M* lines follow. Each subsequent line consists of a case with the positive integer *N* representing a position of the number in a sequence.

OUTPUT

The output should be in form of:

Case #1
The results for case #1
Case #2
The results for case #2
…
Case #m
The results for case #m

SAMPLE

input
2
3
5

output
Case #1
even
Case #2
odd