

Party

Jojo just got accepted into a university! To celebrate it, he invites 6 of his closest friends. Jojo orders a pizza and divides it into N slices of equal size. He will distribute the N slices equally to his friends without modifying the size of each slice. However, Jojo wonders if it is possible to distribute them equally. Jojo doesn't want to upset his friends, so help Jojo determine whether he can complete the task!

Format Input

The input can be read from the file test data.in. The first line contains an integer T, the number of cases. Each case contains an integer N, the number of pizza slices.

Format Output

For each case, output "Case #X:", where X is the test case number, followed by "YES" if he can distribute the pizza equally to 6 of his friends, or "NO" he can't.

Constraints

- 1 < T < 20
- $0 < N < 10^{200}$

Sample Input (testdata.in)

4 6 9 10 12

Sample Output (standard output)

Case #1: YES
Case #2: NO
Case #3: NO
Case #4: YES

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Party

Jojo baru saja diterima di sebuah universitas! Untuk merayakannya, dia mengundang 6 orang teman dekatnya. Jojo memesan sebuah pizza dan memotongnya menjadi N potong dengan ukuran yang sama besar. Dia akan membagikan N potong pizza itu secara adil kepada temannya tanpa mengubah ukuran dari tiap potongan pizza. Akan tetapi, Jojo penasaran apakah mungkin untuk membagikannya secara adil. Jojo tidak ingin mengecewakan temannya, jadi bantulah Jojo menentukan apakah dia dapat melakukannya!

Format Input

Masukan dapat dibaca pada file testdata.in. Baris pertama terdiri dari sebuah bilangan bulat T, jumlah kasus uji. Pada tiap kasus uji terdapat sebuah bilangan bulat N, jumlah potongan pizza.

Format Output

Untuk tiap kasus, keluarkan "Case #X:", dimana X adalah nomor kasus, diikuti dengan "YES" jika dia dapat membagikan pizzanya secara adil kepada 6 orang temannya, atau "NO" jika dia tidak dapat melakukannya.

Constraints

- $1 \le T \le 20$
- $0 < N < 10^{200}$

Sample Input (testdata.in)

4

9

10

12

Sample Output (standard output)

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Case #1: YES
Case #2: NO
Case #3: NO
Case #4: YES

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