## Mr Toothless and His Task

Mr. Toothless is very good at math. But this time he feels bored at Hiccup. Because he has given a boring task to Toothless. The task is:

Given m . Is it possible to write m as multiplication of three consecutive numbers? i.e. is it possible to write $m=n(n+1)(n+2)$ where $n>0$. As for example 504=7*8*9. Help Toothless.

## Input

Input starts with an integer $\mathbf{T}(\leq 100)$, denoting the number of test cases.
Each case contains one integer $\mathrm{m}\left(1<=\mathrm{m}<=10^{18}\right)$

## Output

For each case, print the case number and "Yes" if it is possible, print "No" otherwise.

| Sample Input | Output for Sample Input |
| :--- | :--- |
| 2 | Case 1: Yes |
| 504 | Case 2: No |
| 505 |  |

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