Fibonacci but not so Fibonacci

Clif is a high-achieving student at SUNIB University. One day, he was assigned the task of determining the nth number in the Fibonacci series. According to C, this was very easy for him, so he decided to add some extra components. Clif eventually created a special formula for his Fibonacci sequence. The Fibonacci series will be written with the condition that every third term will have a value of 10.

Format Input

The first line will ask for the number (n) of Fibonacci sequence terms.

Format Output

A Fibonacci sequence of n terms with the specified conditions.

Constraints

- $1 \leq N \leq 1000$

Sample Input 1 (standard input)

```
10
```

Sample Output 1 (standard output)

```
0 1 1 10 11 21 10 31 41 10
```

Note: Remember to always print a '\n' at the end of the output

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Clif adalah seorang mahasiswa di kuliah berprestasi tinggi, SUNIB. Suatu hari dia ditugaskan untuk menentukan bilangan deret ke - n di fibonacci. Menurut Clif hal tersebut sangat mudah sehingga dia ingin menambahkan beberapa komponen extra. Clif akhirnya membuat sebuah rumus special untuk Fibonacci dia. Fibonacci akan dituliskan deretannya dengan kondisi setiap urutan ke 3 akan menjadi 10 nilainya.

Format Input

Baris pertama akan meminta berapa jumlah (n) deretan fibonacci.

Format Output

Deretan Fibonacci sejumlah n dengan kondisi yang diminta.

Constraints

- $1 \leq N \leq 1000$

Sample Input 1 (standard input)

```
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Sample Output 1 (standard output)

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0 1 1 10 11 21 10 31 41 10
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Note: Remember to always print a '\n' at the end of the output