MNYC '16: Moore's Law

Time limit: 2.0s **Memory limit:** 256M

Kushan has the Google Nexus 6P, the latest flagship Android Smartphone. He waited a long time for technology to advance to his preferences. A version of Moore's law states that the performance of technology doubles every 24 months (2 years). The Nexus 6P has a processor clock speed of 2.0 GHz. Using the law explained and the clock speed of the Nexus 6P processor, help Kushan find the soonest time when he can get a phone with a C GHz or better processor. Output the time he has to wait in years, months, weeks and days. Assume 365 days in a year, 30 days in a month and 7 days in a week. (Yes, that means that there are 12 months and 5 days in a year). If you had to wait 720 days, you would output `1Y 11M 3W 4D`. If any one of the time units are 0, omit both the number and the unit. E.g. `1Y` instead of `1Y 0M 0W 0D`. If he has to wait 0 years, 0 months, 0 weeks and 0 days, output `Now!`.

Input Specification

$2.0 \leq C \leq 10^9$

C will be given up to 9 decimal places of accuracy.

Output Specification

The time to wait until a phone with a C GHz processor can be bought, or `Now!` if the time to wait is 0.

Sample Input 1

```
4.0
```

Sample Output 1

```
2Y
```

Explanation for Sample Output 1

Kushan has to wait 2 years for the clock speed to double from 2.0 GHz to 4.0 GHz.

Sample Input 2

```
2.828427124
```

Sample Output 2

```
1Y
```