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| **Lucky lucky number**  **Solved**  Problem code: CHEFLUCK | * [SUBMIT](https://www.codechef.com/submit/CHEFLUCK) * [MY SUBMISSIONS](https://www.codechef.com/status/CHEFLUCK,nacho0monllor) * [ALL SUBMISSIONS](https://www.codechef.com/status/CHEFLUCK) |

**All submissions for this problem are available.**

*Every great chef knows that lucky numbers are positive integers whose decimal representations contain only the lucky digits 4 and 7. For example, numbers 47, 744, 4 are lucky and 5, 17, 467 are not.*

Our chef has recently returned from the Lucky country. He observed that every restaurant in the Lucky country had a lucky number as its name.  
He believes that having a lucky number as a restaurant name can indeed turn out to be very lucky.

Our chef believes that it is possible to make a lucky number having N digits even luckier. Any number following the rules below is called Lucky lucky number -

1. The number contains only digits 4 and 7.   
2. Count of digit 4 in the number should be divisible by 7.   
3. Count of digit 7 in the number should be divisible by 4.

Help our chef to compute the count of digit 4 in the **smallest** Lucky lucky number having N digits.

**Input**

First line contains T, number of test cases. Each of the next T lines contains a number N, the number of digits in the Lucky lucky number to be formed.

1<=T<=1000   
1<=N<=1000000000 (10^9)

**Output**

If it is not possible to form a Lucky lucky number having N digits, output -1.  
Otherwise, output the count of digit 4 in the smallest Lucky lucky number having N digits.

**Example**

**Input:**

5

7

4

11

1

15

**Output:**

7

0

7

-1

7

**Explanation**

For the last test case, N = 15, the smallest lucky lucky number is

444444477777777. The count of digit 4 is 7.

<https://www.codechef.com/problems/CHEFLUCK>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while (t-- > 0)

{

int n = int.Parse(Console.ReadLine());

int cuatros = 0, sietes = 0;

// Console.WriteLine(0 % 4);

int i;

for (i = n; i >= 0; i--)

{

if (i % 7 == 0 && (n - i) % 4 == 0)

{

cuatros = i;

sietes = n - i;

break;

}

}

if (i < 0)

{

Console.WriteLine(-1);

}

else

{

Console.WriteLine(cuatros);

}

}

Console.ReadLine();

}

}

}