**Bricks Game**

Attempted by: **5690**

/

Accuracy: **92%**

/

Maximum Score: **20**

/

153 Votes

Tag(s):

Easy

**PROBLEM**

**EDITORIAL**

**MY SUBMISSIONS**

**ANALYTICS**

**Patlu** and **Motu** works in a building construction, they have to put some number of bricks **N** from one place to another, and started doing their work. They decided , they end up with a fun challenge who will put the last brick.

They to follow a simple rule, In the **i**'th round, **Patlu** puts **i**bricks whereas **Motu** puts **ix2** bricks.

There are only **N** bricks, you need to help find the challenge result to find who put the last brick.

**Input:**

First line contains an integer **N**.

**Output:**

Output "**Patlu**" (without the quotes) if **Patlu** puts the last bricks ,"**Motu**"(without the quotes) otherwise.

**Constraints:**

1 ≤ N ≤ 10000

**SAMPLE INPUT**

13

**SAMPLE OUTPUT**

Motu

**Explanation**

**Sample Explanation:**

13 bricks are there :

Patlu Motu

1 2

2 4

3 1 ( Only 1 remains)

Hence, Motu puts the last one.

**Time Limit:**1.0 sec(s) for each input file.

**Memory Limit:**256 MB

**Source Limit:**1024 KB

**Marking Scheme:**Marks are awarded when all the testcases pass.

**Allowed Languages:**Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic

<https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/bricks-game-5140869d/>

using System;

using System.Collections.Generic;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

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

int sum = 0;

for (int i = 1; ; i++)

{

sum += i;

if (sum >= n)

{

Console.WriteLine("Patlu");

break;

}

sum += i \* 2;

if (sum >= n)

{

Console.WriteLine("Motu");

break;

}

}

Console.ReadLine();

}

}

}