Determine if the given number is a power of some non-negative integer.

**Example**

* For n = 125, the output should be  
  isPower(n) = true;
* For n = 72, the output should be  
  isPower(n) = false.

**Input/Output**

* **[time limit] 3000ms (cs)**
* **[input] integer n**

A positive integer.

*Constraints:*  
1 ≤ n ≤ 350.

* **[output] boolean**

true if n can be represented in the form ab (a to the power of b) where a and bare some non-negative integers and b ≥ 2, false otherwise.

<https://codefights.com/arcade/code-arcade/labyrinth-of-nested-loops/yBFfNv5fTqhcacZ7w>

public static bool isPower(int n)

{

if (n == 1)

{

return true;

}

for (int i = 2; i <= (n/2); i++)

{

int c = n;

while (c > 0)

{

if (c % i == 0)

{

c /= i;

if (c == 1)

{

return true;

}

}

else

{

//return false;

break;

}

}

}

return false;

}