1.Given an integer n, print true if it is a power of three. Otherwise, print false.

An integer n is a power of three, if there exists an integer x such that n == 3x.

#power of three

import math

n=int(input())

i=0

while True:

if 3\*\*i==n:

print("True")

break

if 3\*\*i>n:

print("False")

break

i=i+1

1.Given an integer n, print true if it is a power of three. Otherwise, print false.

An integer n is a power of three, if there exists an integer x such that n == 4x.

#power of three

import math

n=int(input())

i=0

while True:

if 4\*\*i==n:

print("True")

break

if 4\*\*i>n:

print("False")

break

i=i+1

3.Given an integer n, print true if it is a power of three. Otherwise, print false.

An integer n is a power of three, if there exists an integer x such that n == 2x.

#power of three

import math

n=int(input())

i=0

while True:

if 2\*\*i==n:

print("True")

break

if 2\*\*i>n:

print("False")

break

i=i+1