import java.math.BigInteger;

import java.util.Scanner;

public class Test {

public static void main(String[] arguments){

int ans[] = new int[10006];

for(int i = 1; i < 1005; i++)

{

BigInteger bi = new BigInteger("2");

bi = bi.pow(i);

//for(int j = 1; j <= i; j ++)

// bi = bi.add(bi);

//System.out.println(bi);

int cnt = 0;

BigInteger b2 = new BigInteger("10");

BigInteger b3 = new BigInteger("0");

while( !bi.equals(BigInteger.ZERO))

{

cnt++;

bi = bi.divide(b2) ;

//System.out.println(bi);

}

ans[i] = cnt-1;

}

Scanner cin = new Scanner(System.in);

while( cin.hasNext() )

{

m = cin.nextInt();

System.out.println(ans[m]);

**Scanner** **sc** = **new** Scanner(**System**.***in***);

**BigDecimal** **x1**, **y1**, **x2**, **y2**, **x3**, **y3**, **x4**, **y4**;

**int** **\_**;

\_ = sc.nextInt();

**while**(\_-- != 0)

{

x1 = sc.nextBigDecimal();

**BigDecimal** **tmp2** = (y4.subtract(y0)).multiply(y4.subtract(y0));

**BigDecimal** **dis** = tmp1.add(tmp2);

**if**(dis.compareTo(r) > 0)