**Palindrome numbers**

[adhoc](http://www.practice.geeksforgeeks.org/tag-page.php?tag=adhoc&isCmp=0)[maths](http://www.practice.geeksforgeeks.org/tag-page.php?tag=maths&isCmp=0)

Check if binary representation of a number is palindrome

**Input:**  
The first line contains an integer T, depicting total number of test cases.   
Then following T lines contains an integer N.

**Output:**  
Each seperate line showing output 0(False) or 1 (True).

**Constraints:**  
1 ≤ T ≤ 30  
1 ≤ N ≤ 1018

**Example:**  
 Input:  
2  
999  
17

Output:  
0  
1

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=151>

#include <iostream>

#include <stdio.h>

#define ll long long int

//#include <conio.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

ll N;

scanf("%lld", &N);

std::string bin = "";

while(N > 0) {

bin += char(N%2 + '0');

N/=2;

}

int i =0, j=bin.length() - 1;

int esPalin = 1;

while(i < j){

if(bin[i] != bin[j]) {

esPalin = 0;

break;

}

i++;

j--;

}

printf("%d\n", esPalin);

}

// getch();

return 0;

}