**Binary number to decimal number**

[maths](http://www.practice.geeksforgeeks.org/tag-page.php?tag=maths&isCmp=0)[Adobe](http://www.practice.geeksforgeeks.org/tag-page.php?tag=Adobe&isCmp=1)

Given a Binary Number, Print its decimal equivalent.

**Input:**

The first line of input contains an integer T denoting the number of test cases. The description of T test cases follows. Each test case contains a single Binary number. 

**Output:**

Print each Decimal number in new line.

**Constraints:**

1< T <100  
1<=Digits in Binary<=8

**Example:**

1  
10001000  
136

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

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=279>

#include <iostream>

#include <stdio.h>

#include <vector>

#include <math.h>

#define ll long long int

#include <conio.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

std::string bin;

cin >> bin;

std::reverse(bin.begin(), bin.end());

int dec=0;

for(int i = bin.size()-1;i>=0; i--) {

dec += (bin[i] - '0')\* (int)pow(2,i);

}

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

}

getch();

return 0;

}