import java.io.\*;

import java.util.\*;

public class Solution {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

for(int i=1;i<=n;i++){

String str = sc.next();

int count=0;

for(int j=0;j<str.length();j++){

if(str.charAt(j)=='4')

count+=1;

}

System.out.println(count);

}

}

}