A2.Program to find nth number made of given four digits 1, 4,6 and 9 as the only digits..

Input Format:

The First Line Of Input Contains T no of test cases

The Second Line Of Input Contains N as input taken.

Output Format:

Print the number of digits in the nth number .

Constraints:

1<=T<=100

1<=N<=100

Examples:

Input : 6

Output : 14

1,4 6, 9.11,14

Input : 21

Output : 111

// Online C compiler to run C program online

#include <stdio.h>

int main() {

int n,count=0,i,j,k,flag=0,temp,rem,numOftestcases;

scanf("%d",&numOftestcases);

for (k=0;k<numOftestcases;k++)

{

scanf("%d",&n);

// n=27;

// temp=n;

for(j=2;count<n;j++)

{ flag=0;

temp=j;

while(temp!=0)

{ rem=temp%10;

if(rem==0 || rem==1)

{

flag=1;

}

for(i=2;i<=rem/2;i++)

{

if(rem%i==0)

{

flag=1;

}

}

if(flag==1)

{

break;

}

// printf("%d",flag);

// printf("%d",rem);

temp=temp/10;

}

if(flag==0)

{ count=count+1;

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

}

}

}

return 0;

}