

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int n;
6     scanf("%d",&n);
7     int x=0,n2=n;
8     while(n2!=0)
9     {
10        x++;
11        n2=n2/10;
12    }
13    int sum =0;
14    int n3=n,n4;
15    while(n3!=0)
16    {
17        n4=n3%10;
18        sum = sum +pow(n4,x);
19        n3=n3/10;
20    }
21    if(n==sum)
22    {
23        printf("true");
24    }
25    else
26    {
27        printf("false");
28    }
29    return 0;
30 }
```

	Input	Expected	Got	
✓	153	true	true	✓
✓	123	false	false	✓

Passed all tests! ✓

ion 2

Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints

1<=num<=99999999 Sample Input 1 32 Sample Output 1 55

Sample Input 2 789 Sample Output 2 66066

g question

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int rn,n,nt=0,i=0;
5     scanf("%d",&n);
6     do{
7         nt=n;rn=0;
8         while(n!=0)
9         {
10            rn =rn*10 + n%10;
11            n = n/10;
12        }
13        n = nt+rn;
14        i++;
15    }
16    while(rn!=nt || i==1);
17    printf("%d",rn);
18    return 0;
19 }
20 }
```

	Input	Expected	Got	
✓	32	55	55	✓
✓	789	66066	66066	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n =1,i=0,nt,co=0,e;
5     scanf("%d",&e);
6     while(i<e)
7     {
8         nt=n;
9         while(nt!=0)
10        {
11            co=0;
12            if(nt%10!=3 && nt%10!=4)
13            {
14                co=1;
15                break;
16            }
17            nt=nt/10;
18        }
19        if(co==0)
20        {
21            i++;
22        }
23        n++;
24    }
25    printf("%d",--n);
26    return 0;
27 }
```

	Input	Expected	Got	
✓	34	33344	33344	✓

Passed all tests! ✓