

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 }
31
32
33
34
35
```

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

Passed all tests! ✓

ion **2**

ct

d out of

g question

Take a number, reverse it and add it to the original number until the obtained number is a palindrome. Constraints $1 \leq \text{num} \leq 999999999$ Sample Input 1 32 Sample Output 1 55 Sample Input 2 789 Sample Output 2 66066

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
21 }
```

	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! ✓