

Uday's Special Problem

Submitted Code

Language: C++

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```
1 #include <stdio.h>
2 #include<string.h>
3 char a[5000],b[5000];
4
5 int main()
6 {
7     int t;
8     scanf("%d",&t);
9     while(scanf("%s",&a)==1)
10    {
11        //     scanf("%s",&a);
12        //     printf("%s = ",a);
13        int found = 0;
14        int i;
15        int thi = 0;
16        int l = strlen(a);
17        for(i=0;a[i];i++)
18        {
19            if(a[i]=='3')thi++;
20            else if(a[i]!='5'){
21                found = 1;
22                break;
23            }
24        }
25        if(found)
26        {
27            if(a[i] > '5')
28            {
29                int j = i-1;
30                while(j>=0)
31                {
32                    if(a[j]=='3'){
33                        a[j] = '5';
34                        break;
35                    }
36                    else a[j] = '3';
37                    j--;
38                }
39                for(;i<l;i++)a[i] = '3';
40                if(j==--1)printf("3");
41                printf("%s\n",a);
42            }
43            else {
44                if(a[i] >'3')a[i] = '5';
45                else
46                a[i] = '3';
47                for(i++;i<l;i++)a[i] = '3';
48                printf("%s\n",a);
49            }
50        }
51    }
52    else if(thi==0)
53    {
54        //     printf("%s is only of 5\n",a);
55        for(i=0;i<=l;i++)
56            printf("3");
57        printf("\n");
58    }
59    else {
60        for(i=l-1;i>=0;i--)
61        {
```

```
62         if(a[i]=='3'){
63             a[i] = '5';
64             break;
65         }
66         else a[i] = '3';
67     }
68     printf("%s\n",a);
69 }
70 }
71 return 0;
72 }
```