
Add one to even digits

X15492_en

Write a program that reads numbers from the input and prints them after having added 1 to their even digits.

For instance, the program will transform number 785902 into 795913.

Input

The input has many cases. Each case is a natural number in one line.

Output

For each case, the output is a separate line with the number with its even digits incremented by 1.

Sample input 1

```
35102
785902
1010101
101010
1010101
10101
30219834
410938
999999999
999999
113311
13221
2
3
123456789
```

Sample output 1

```
35113
795913
1111111
111111
1111111
11111
31319935
511939
999999999
999999
113311
13331
3
3
133557799
```

Sample input 2

```
4289384
46930887
81692778
14636916
57747794
24238336
19885387
49760493
96516650
89641422
25202363
50490028
83368691
2520060
44897764
67513927
65180541
40383427
4089173
```

```
3455737
35005212
21595369
94702568
26956430
36465783
61021531
78722863
33665124
45174068
68703136
1513930
1979803
15634023
35723059
69133070
25898168
59961394
89018457
28175012
56478043
```

```
31176230
53377374
59484422
14544920
8413785
56898538
34575199
73594325
49798316
38664371
```

Sample output 2

```
5399395
57931997
91793779
15737917
57757795
35339337
19995397
59771593
97517751
99751533
35313373
51591139
93379791
3531171
55997775
77513937
75191551
51393537
5199173
3555737
35115313
31595379
95713579
37957531
37575793
71131531
79733973
33775135
55175179
79713137
1513931
1979913
15735133
35733159
79133171
35999179
59971395
99119557
39175113
57579153
31177331
53377375
59595533
15555931
9513795
57999539
35575199
73595335
59799317
39775371
```

Observation

Massive storage solutions are not accepted (like strings or vectors). Read numbers from the input into variables of type `int`, for example with `cin >> a`, and solve the problem operating with integers using `+`, `-`, `*`, `/`, and `%`.

Evaluation over 10 points:

- Slow solution: 5 points.
- Fast solution: 10 points.

We understand as fast solution one which is correct, has linear cost and passes the public and private tests. We understand as slow solution one which is not fast, but it is correct and passes the public tests.

Problem information

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