```
Even digits
   Round A, Kick start 2018
              MMI
Idea:
   Find a number 7, N and satisfying the requirement.
   Find a number < N and satisfying the requirement
         num - N & N - NVMZ =
           return numi- N
    else: return N-num2
Example =
                 Algorithm
    2018
                 O How to find num!
   (1)2020
                    a) from left to right, find the first digit which is
   @ 2008
                  not even.
                     b) If that digit # 9, add one to that digit, and
    88988
   0 588088 change all digits after that to 0
      + 2 OIf that digit = 9, find the nearest digit before $ 80088 which is not 8 Cif all digits before it are 8, create a
                    DIf that digit = 9, find the nearest digit before it
       1200000 digit I in the front) add two to that digit, set every
                   digit after 1 to 0
                  @ How to find numz:
                    a) from left to right, find the first digit which is
                  not even.
                    b) set that digit to digit -1, set every digit after 1
```

Code: ipad-1-cpp