Math

Input: 10
Output: false
Explanation: Reads 01 from right to left. Therefore it is not a palindrome.

Two tips. O 110 is vewerse is 011

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which should be I should return False
                                                                                                                                                            3 You don't need to reverse the whole number. For example.
2
              Add Two Numbers (/problems/add-two-numbers)
                                                                                                                                                                   12321
                                                                                                                                                                   temp = temp x lot num % 10
num = num // 10
13
              Roman to Integer (/problems/roman-to-integer)
                                                                                                                                                                 You can stop when temps num
9
              Palindrome Number (/problems/palindrome-number)
                                                                                                                                                                          temp=123 and nume12
                                                                                                                                                                                                   templlor == num
                                                                                                                                                                        temp== num or
12
              Integer to Roman (/problems/integer-to-roman)
                                                                                                                                                                                       "C", "CC", "CCC", "CD", "D", "DC", "DCC", "DCCC", "CM"]
"X", "XX", "XXX", "XX", "XX"
7
              Reverse Integer (/problems/reverse-integer)
                                                                                                                        [-2^{31}, 2^{31} - 1].
535
             Encode and Decode TinyURL (/problems/encode-and-decode-tinyurl)
                                                                                                                                                                                Input: 38
                                                                                                                                                                                 Output: 2
66
              Plus One (/problems/plus-one)
                                                                                                                                                                                 Explanation: The process is like: 3 + 8 = 11, 1 + 1 = 2
                                                                                                                                                                                                    Since 2 has only one digit, return it.
                                                                                                                                                                       return 0 if num == 0 else (num - 1) \% 9 + 1
258
              Add Digits (/problems/add-digits)
149
              Max Points on a Line (/problems/max-points-on-a-line)
                                      Will do this in hashtable
67
              Add Binary (/problems/add-binary)
202
             Happy Number (/problems/happy-number)
171
             Excel Sheet Column Number (/problems/excel-sheet-column-number)
50
              Pow(x, n) (/problems/powx-n)
                                                                                                                                                                                     Input: 5
                                                                                                                                                                                     Output: 1
<del>172</del>
              Factorial Trailing Zeroes (/
                                                                                                           rial-trailing-zeroes)
                                                                                                                                                                                     Explanation: 5! = 120, one trailing zero.
                                                                                                       1

▼ class Solution:

8
              String to Integer (atoi) (/problems/strir
                                                                                                                          def countDigitOne(self, n):
233
              Number of Digit One (/problems/numl
                                                                                                                                  :type n: int
                                                                                                                                   :rtype: int
273
              Integer to English Words (/problems/ir
                                                                                                                                  ones, m = 0, 1
              Self Dividing Numbers (/problems/self
728
                                                                                                                                           ones += (n//m + 8) // 10 * m + (n//m % 10 == 1) * (n%m + 1)
                                                                                                                                           m *= 10
                                                                                                                                  return ones
319
              Bulb Switcher (/problems/bulb-switch 12,
223
              Rectangle Area (/problems/rectangle-area)
29
               Divide Two Integers (/problems/divide-two-integers)
268
              Missing Number (/problems/missing-number)
326
              Power of Three (/problems/power-of-three)
43
              Multiply Strings (/problems/multiply-strings)
```

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Perfect Squares (/pr
                                                      return 0
                                                  primes = [True] * n
                              Crossing (/prob|primes[0] = primes[1] = False
                                                  for i in range(2, int(n ** 0.5) + 1):
                                                      if primes[i]:
                204
                        Count Primes (/prob
                                                         primes[i * i: n: i] = [False] * len(primes[i * i: n: i])
                                                  return sum(primes)
                453
                        Minimum Moves to Equal Array Elements (/problems/minimum-moves-to-
                        equal-array-elements)
                69
                        Sqrt(x) (/problems/sqrtx)
                65
                        Valid Number (/problems/valid-number)
                224
                        Basic Calculator (/problems/basic-calculator)
Write a program to find the n-th ugly number
                                                                                              Example 1:
Explanation: 1, 2, 3, 4, 5, 6, 8, 9, 10, 12 is the sequence of the first 10 ugly numbers.
                                                                                               Input: numerator = 1, denominator = 2
                                                                                               Output: "0.5"
                                                                        Example 1:
 1. 1 is typically treated as an ugly number
 2. n does not exceed 1690.
                                                                                              Example 2:
                                                                         Input: [1,2,3]
                        Arithmetic Slices (/problems/arithmeti
                                                                         Output: 6
                                                                                               Input: numerator = 2, denominator = 1
                                                                        Example 2:
                                                                                               Output: "2"
                628
                        Maximum Product of Three Numbers
                        three-numbers)
                                                                         Input: [1,2,3,4]
                                                                                              Example 3:
                                                 O(1) space O(n) time :
                                                                         Output: 24
                                                                                               Input: numerator = 2, denominator = 3
                166
                        Fraction to Recurring Decimal (/problems/fraction-to-re
                                                                                               Output: "0.(6)"
                        Count Numbers with Unique Digits (/problems/Given a non-negative integer n, count all numbers with unique digits, x, where 0 \le x < 10^n.
                <del>357</del>
                        digits)
                264
                        Ugly Number II (/problems/ugly-number-ii)
                                                                                    Explanation: The answer should be the total numbers in the range of 0 \le x < 100,
                                                                                              excluding 11,22,33,44,55,66,77,88,99
                        Integer Break Given a positive integer n, break it into the sum of at least two positive integers and maximize the product of those integers. Return the
                343
                                          maximum product you can get.
                                                                                             |p2.x - p1.x| + |p2.y - p1.y|.
                        Permutation Sequence (/problems/permutation-sequer
                60
                                                                                                                                   3. "213"
                                                                                             Example:
                                                                                                                                   4. "231"
                                                                                                                                   5. "312"
                296
                        Best Meeting Point (/problems/best-meeting-point)
                                                                                                                                   6. "321"
                                                                                              Input:
                                                                                                                                 Given n and k, return the k<sup>th</sup> permutation sequence
                372
                        Super Pow (/problems/super-pow)
                                                                                                - 0
                                                                                                     10
                                                                                                  0
                812
                        Largest Triangle Area (/problems/largest-triangle-area)
                                                                                              0 - 0
                400
                        Nth Digit (/problems/nth-digit)
                                                                                              Output: 6
                368
                        Largest Divisible Subset (/problems/largest-divisible-subset)
                313
                        Super Ugly Number (/problems/super-ugly-number)
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Complex Number Multiplication (/problems/complex-number-multiplication)

537

396	Rotate Function (/problems/rotate-function)
672	Bulb Switcher II (/problems/bulb-switcher-ii)
753	Cracking the Safe (/problems/cracking-the-safe)
883	Projection Area of 3D Shapes (/problems/projection-area-of-3d-shapes)
829	Consecutive Numbers Sum (/problems/consecutive-numbers-sum)
553	Optimal Division (/problems/optimal-division)
942	DI String Match (/problems/di-string-match)
887	Super Egg Drop (/problems/super-egg-drop)
633	Sum of Square Numbers (/problems/sum-of-square-numbers)
367	Valid Perfect Square (/problems/valid-perfect-square)
507	Perfect Number (/problems/perfect-number)
877	Stone Game (/problems/stone-game)
908	Smallest Range I (/problems/smallest-range-i)
645	Set Mismatch (/problems/set-mismatch)
441	Arranging Coins (/problems/arranging-coins)
462	Minimum Moves to Equal Array Elements II (/problems/minimum-moves-to-equal-array-elements-ii)
598	Range Addition II (/problems/range-addition-ii)
670	Maximum Swap (/problems/maximum-swap)
858	Mirror Reflection (/problems/mirror-reflection)
365	Water and Jug Problem (/problems/water-and-jug-problem)
423	Reconstruct Original Digits from English (/problems/reconstruct-original-digits-from-english)
836	Rectangle Overlap (/problems/rectangle-overlap)
885	Spiral Matrix III (/problems/spiral-matrix-iii)
247	Strobogrammatic Number II (/problems/strobogrammatic-number-ii)
248	Strobogrammatic Number III (/problems/strobogrammatic-number-iii)

592	Fraction Addition and Subtraction (/problems/fraction-addition-and-subtraction)
478	Generate Random Point in a Circle (/problems/generate-random-point-in-a circle)
246	Strobogrammatic Number (/problems/strobogrammatic-number)
593	Valid Square (/problems/valid-square)
517	Super Washing Machines (/problems/super-washing-machines)
891	Sum of Subsequence Widths (/problems/sum-of-subsequence-widths)
754	Reach a Number (/problems/reach-a-number)
780	Reaching Points (/problems/reaching-points)
775	Global and Local Inversions (/problems/global-and-local-inversions)
640	Solve the Equation (/problems/solve-the-equation)
397	Integer Replacement (/problems/integer-replacement)
360	Sort Transformed Array (/problems/sort-transformed-array) →
523	Continuous Subarray Sum (/problems/continuous-subarray-sum)
781	Rabbits in Forest (/problems/rabbits-in-forest)
892	Surface Area of 3D Shapes (/problems/surface-area-of-3d-shapes)
899	Orderly Queue (/problems/orderly-queue)
660	Remove 9 (/problems/remove-9) ■
868	Binary Gap (/problems/binary-gap)
805	Split Array With Same Average (/problems/split-array-with-same-average)
483	Smallest Good Base (/problems/smallest-good-base)
910	Smallest Range II (/problems/smallest-range-ii)
869	Reordered Power of 2 (/problems/reordered-power-of-2)
914	X of a Kind in a Deck of Cards (/problems/x-of-a-kind-in-a-deck-of-cards)
794	Valid Tic-Tac-Toe State (/problems/valid-tic-tac-toe-state)
810	Chalkboard XOR Game (/problems/chalkboard-xor-game)
906	Super Palindromes (/problems/super-palindromes)

952	Largest Component Size by Common Factor (/problems/largest-component-size-by-common-factor)
634	Find the Derangement of An Array (/problems/find-the-derangement-of-anarray)
782	Transform to Chessboard (/problems/transform-to-chessboard)
651	4 Keys Keyboard (/problems/4-keys-keyboard) ■
878	Nth Magical Number (/problems/nth-magical-number)
866	Prime Palindrome (/problems/prime-palindrome)
800	Similar RGB Color (/problems/similar-rgb-color) ■
789	Escape The Ghosts (/problems/escape-the-ghosts)
469	Convex Polygon (/problems/convex-polygon)
949	Largest Time for Given Digits (/problems/largest-time-for-given-digits)
625	Minimum Factorization (/problems/minimum-factorization)
964	Least Operators to Express Number (/problems/least-operators-to-express-number)
573	Squirrel Simulation (/problems/squirrel-simulation)
356	Line Reflection (/problems/line-reflection)
927	Three Equal Parts (/problems/three-equal-parts)
902	Numbers At Most N Given Digit Set (/problems/numbers-at-most-n-given-digit-set)
963	Minimum Area Rectangle II (/problems/minimum-area-rectangle-ii)