Roman to Integer (/problems/roman-to-integer)

Integer to Roman (/problems/integer-to-roman)

Reverse Integer (/problems/reverse-integer)

What about x = 0 or 10?

<u>Palindrome Number</u> (/problems/palindrome-number)

Input: 19

Math

13

9

12

7

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

```
Two tips. 10 110 's reverse is 011

which should be 11 should return False

(3) You clon't need to reverse the whole number. For example.

12321.

temp = temp + lot nump 10

You can stop when temp > num.

here temp = 123 and num.

if temp == num or temp 11 == num

return True.
```

Input: 5

public class Solution {

public boolean isPowerOfThree(int n) {

return ( n>0 && 1162261467%n==0);

// 1162261467 is 3^19, 3^20 is bigger than int

```
M = ["", "M", "MM", "MMM"]
C = ["", "C", "CC", "CC", "CD", "D", "DC", "DCC", "DCC", "CM"]
X = ["", "X", "XX", "XXX", "XX", "LX", "LX", "LXX", "XXXT, "XC"]
I = ["", "I", "II", "III", "II", "U", "U", "VIII", "IIII", "III", "III"
```

```
    ✓ 67 Add Binary (/problems/add-bina 1/2 + 9² = 82 8² + 2² = 68 6² + 8² = 100 1/2 + 0² + 0² = 1
    202 Happy Number (/problems/happ 1/2 + 0² + 0² = 1
```

```
50 <u>Pow(x, n) (/problems/powx-n)</u>
```

```
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
728
       Self Dividing Numbers (/problems/self
                                                                   ones += (n//m + 8) // 10 * m + (n//m % 10 == 1) * (n%m + 1)
                                                                   m *= 10
```

return ones

 $[-2^{31}, 2^{31} - 1].$ 

223 Rectangle Area (/problems/rectangle-area)

Bulb Switcher (/problems/bulb-switch 12,

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)

319

```
Perfect Squares (/pr
                                                   if n < 3:
                                                       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)
                                                                                                1 - 0
                                                                                                       0
                                                                                                             0
                         Largest Triangle Area (/problems/largest-triangle-area)
```

0 - 0

Output: 6

400

368

313

537

Nth Digit (/problems/nth-digit)

Largest Divisible Subset (/problems/largest-divisible-subset)

Complex Number Multiplication (/problems/complex-number-multiplication)

Super Ugly Number (/problems/super-ugly-number)

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)