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DIVISIBILITY RULES

Name	
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Date

A number is divisible by 11

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Take the alternate digits. Separate the digits in odd places and even places. Sum up the numbers in these two groups and find their difference. If the difference is 0 or divisible by 11, then the given number is divisible by 11.

Example: 31482 Odd place = 3+4+2 = 9 Even place = 1+8 = 9 Difference = 9-9 = 0

Other conditions:

Number of digits even:

If the number of digits are even in a number, add the first digit and subtract the last digit from the remaining number.

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Example: 2662

First digit = 2

Last digit = 2

66+2-2 = 66

66 is divisible by 11

2662 is divisible by 11
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Number of digits odd:

If the number of digits are odd, subtract the first and the last number from the remaining digits.

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Example: 26510

First digit = 2

Last digit = 1

651-2-0 = 649

649 is divisible by 11

26510 is divisible by 11
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