Plus One
We would addition starting from the last digit, handling carry
properly.
Idea:
Typererse digits from the end (least rignificant).
If digit < 9 - just add, and return.
· If clight = = 9- pet it to o and course ever.
Theoremse digits from the end (least rignificant).  If digit < 9 -> just add 1 and return.  If digit = = 9 - pet it to 0 and carry ever.  If we finish all digits with carry (e.g., 999), we must 1 at the
font.
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Complexity: 1 This runs in O(a) time, O(a) extra space.
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