Given a signed 32-bit integer x, return x *with its digits reversed*. If reversing x causes the value to go outside the signed 32-bit integer range [-231, 231 - 1], then return 0.

**Assume the environment does not allow you to store 64-bit integers (signed or unsigned).**

**Example 1:**

Input: x = 123  
Output: 321

**Example 2:**

Input: x = -123  
Output: -321

**Example 3:**

Input: x = 120  
Output: 21

**Constraints:**

* -231 <= x <= 231 - 1