class Solution:

def reverse(self, x: int) -> int:

rev = 0

sign = -1 if x < 0 else 1

x = abs(x)

while x != 0:

digit = x % 10

x //= 10

if rev > (2\*\*31 - 1) // 10:

return 0 # Overflow

rev = rev \* 10 + digit

return sign \* rev