7. Reverse Integer

math

1st approach

if "-" in str(x):

if -2\*\*31 <= (-1) \* int(str(x)[::-1][:-1]):

return (-1) \* int(str(x)[::-1][:-1])

if "-" not in str(x):

if int(str(x)[::-1]) <= 2\*\*31-1:

return int(str(x)[::-1])

return 0

2nd

Clear but slower

class Solution(object):

def reverse(self, x):

"""

:type x: int

:rtype: int

"""

maxm = 2\*\*31-1

minm = -2\*\*31

if "-" in str(x):

result = (-1)\*int(str(x)[::-1][:-1])

else:

result = int(str(x)[::-1])

return (result if (minm <=result and result <=maxm) else 0)

3rd

Lambda

f1 = lambda x: (-1)\*int(str(x)[::-1][:-1]) if "-" in str(x) else int(str(x)[::-1])

f2 = lambda x:x if -2\*\*31<=x and x<=2\*\*31+1 else 0

f2(f1(123))