def atoi(self, A):

A=A.strip()

if not A:

return 0

negative = False

result = 0

if A[0]=="+":

negative=False

elif A[0]=="-":

negative = True

elif not A[0].isnumeric():

return 0

else:

result= ord(A[0])-ord("0")

for i in range(1,len(A)):

if A[i].isnumeric():

result = result\*10+ (ord(A[i]) - ord("0")

if not negative and result>=2147483647:

return 2147483647

if negative and result>=2147483647:

return -2147483647

else:

break

if not negative:

return result

else:

return -result