```
*- coding: utf-8 -*-
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Exercise 1 and 2 extra
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def toDecimal(num):
    '''Takes binary number in signed magnitude form as a string
    (first bit before number must be 0 or 1 to specify sign) and gives decimal form''
    ans = int(num[1:], 2)
    if int(num[0]) == 1:
        return -1 * ans
    else:
     return ans
def toBinary(num):
    '''Takes decimal number and gives binary number in signed
    magnitude form'''
    if num < 0:
        return '1' + (bin(abs(num))[2:])
    else:
        return bin(num)[2:]
print(toDecimal('0110100100'))
print(toDecimal('11101101'))
print(toBinary(420))
print(toBinary(-109))
```