0 = P&E, 1 = P&O, 2 = N&E, 3 = N&O

Enter your integer: 554

Your integer is of type 0

-- program is finished running --

0 = P&E, 1 = P&O, 2 = N&E, 3 = N&O

Enter your integer: 5513

Your integer is of type 1

-- program is finished running --

0 = P&E, 1 = P&O, 2 = N&E, 3 = N&O

Enter your integer: -54

Your integer is of type 2

-- program is finished running --

0 = P&E, 1 = P&O, 2 = N&E, 3 = N&O

Enter your integer: -55

Your integer is of type 3

-- program is finished running --