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# Name: Ramann Ramachandrani# Grade: 7th # Division: Junior (Python)
# Contest1 Year: 2019-2020 #Program Num Transform
f = open("jr-test-input.txt", 'r')
for line in f:
    values = line.split(' ')
    N = values[0]
    P = int(values[1])
    D = int(values[2])
    pos_p = len(N) - P
    val_p = int(N[pos_p])
    #print('N: {}, P: {}, D: {}, pos: {}, val: {}'.format( N, P, D, pos_p, val_p))
    new_val = 0
    if val_p >= 0 and val_p <= 4:
        inter_val = D + val_p
        inter_val = str(inter_val)
        new_val = inter_val[len(inter_val) - 1]
        #print('inter_val: {}, new_val: {}'.format(inter_val, new_val))
    elif val_p >= 5 and val_p <= 9:
        inter_val = abs(val_p - D)
        inter_val = str(inter_val)
        new_val = inter_val[0]
        # print('inter_val: {}, new_val: {}'.format(inter_val, new_val))

    index = 0
    new_N = ''
    for char in N:
        if index == pos_p:
            new_N = new_N + str(new_val)
        elif index > pos_p:
            new_N = new_N + '0'
        else:
            new_N = new_N + char

        index = index + 1
    print('N: {}, new_N: {}'.format(N, new_N))

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