def solution(numbers, hand):

left = [1,4,7]

right = [3,6,9]

l\_now = '\*'

r\_now = '#'

answer = ''

keypad = {1:[0,0],2:[0,1],3:[0,2],

4:[1,0],5:[1,1],6:[1,2],

7:[2,0],8:[2,1],9:[2,2],

'\*':[3,0],0:[3,1],'#':[3,2]}

for num in numbers:

if num in left:

l\_now = num

answer += 'L'

elif num in right:

r\_now = num

answer += 'R'

else:

if abs(keypad[l\_now][0] - keypad[num][0])+abs(keypad[l\_now][1]-keypad[num][1]) < \

abs(keypad[r\_now][0] - keypad[num][0])+abs(keypad[r\_now][1]-keypad[num][1]):

l\_now = num

answer += 'L'

elif abs(keypad[l\_now][0] - keypad[num][0])+abs(keypad[l\_now][1]-keypad[num][1]) > \

abs(keypad[r\_now][0] - keypad[num][0])+abs(keypad[r\_now][1]-keypad[num][1]):

r\_now = num

answer += 'R'

else:

if hand == 'right':

r\_now = num

answer += 'R'

else:

l\_now = num

answer += 'L'

return answer