relative\_atomic\_mass = 0

character\_count = -1

subscript\_num = 1

raw\_compound = input('Insert one mole of your compound. If subscript is needed, use <n\n')

length = len(raw\_compound)

sub\_compound = raw\_compound.replace('<0','₀').replace('<1','₁').replace('<2','₂').replace('<3','₃').replace('<4','₄').replace('<5','₅').replace('<6','₆').replace('<7','₇').replace('<8','₈').replace('<9','₉')

periodic\_table = {'H':1,

'He':4,

'Li':7,

'Be':9}

compound = []

for character in raw\_compound:

character\_count = character\_count +1

if character.isupper() and character\_count+1 == length:

compound.append(raw\_compound[character\_count])

elif character.isupper():

if raw\_compound[character\_count + 1].islower():

if character\_count + 3 <= length:

if raw\_compound[character\_count + 2] == '<':

while subscript\_num <= int(raw\_compound[character\_count+3]):

subscript\_num = subscript\_num + 1

compound.append(raw\_compound[character\_count:character\_count+2])

else:

compound.append(raw\_compound[character\_count:character\_count + 2])

elif raw\_compound[character\_count + 1] == '<':

if character\_count + 3 <= length:

while subscript\_num <= int(raw\_compound[character\_count+2]):

subscript\_num = subscript\_num + 1

compound.append(raw\_compound[character\_count])

compound.append(raw\_compound[character\_count])

print(compound)